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November 30, 2023

Mr. Jaben Richards
Ground Water Quality Bureau
New Mexico Environment Department
PO Box 5469
Santa Fe, NM 87502

Dear Mr. Richards:

On behalf of Doña Ana Dairies, Inc., EA Engineering, Science, and Technology, Inc., PBC is submitting this Quarterly Groundwater Monitoring Report for the dairies located in Mesquite, Vado, and Anthony, New Mexico. The report includes the Del Oro Dairy pump and reuse system performance assessment and the quarterly groundwater sampling event conducted to fulfill requirements of the Stage 2 Abatement Plan for Doña Ana Dairies.

Please let me know if you have any questions regarding the information provided in this report.

Sincerely,

Gina Mullen
Project Manager

Jay Snyder
Senior Hydrogeologist

Enclosure

Cc: Linda Armstrong, Doña Ana Dairies (electronic)
File

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# QUARTERLY GROUNDWATER MONITORING REPORT DOÑA ANA DAIRIES MESQUITE, NEW MEXICO

Prepared for:

Doña Ana Dairies
Mesquite, New Mexico

Prepared by:

EA Engineering, Science,
and Technology, Inc., PBC
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EA Project No. 21464112.03
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Gina Mullen — November 30, 2023
Gina Mullen, Project Manager — Date

Jay Snyder — November 30, 2023
Jay Snyder, Senior Hydrogeologist — Date

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# 1.0 INTRODUCTION

On behalf of Doña Ana Dairies (Dairies), EA Engineering, Science, and Technology, Inc., PBC (EA) has prepared this Quarterly Monitoring Report for Doña Ana Dairies located south of Las Cruces, New Mexico (Figure 1). The report was completed in accordance with the *Stage 2 Abatement Plan* and the *Sampling and Analysis Plan, Doña Ana Dairies, Doña Ana County, New Mexico* dated November 7, 2013, and August 11, 2008, respectively, and the Conceptual Work Plan (CWP) dated February 1, 2008. All were prepared to satisfy requirements stated in the New Mexico Administrative Code (NMAC), Title 20, Chapter 6, Part 2, Sections 4106 through 4110 (20.6.2.4106 – 20.6.2.4110 NMAC). The Sampling and Analysis Plan was approved by the New Mexico Environment Department (NMED) Ground Water Quality Bureau (GWQB) on September 25, 2008 (NMED 2008). On March 25, 2015, the stipulated agreement to additional requirements to the Dona Ana Dairies Stage 2 Abatement Plan was agreed upon by NMED, the Dairies, and the Rio Valle Concerned Citizens (NMED, Doña Ana Dairies, and Rio Valle Concerned Citizens 2015). The Stage 2 Abatement Plan was approved by NMED by Final Order on April 10, 2015. A Stage 2 Abatement Plan Modification was approved by NMED on April 26, 2022 (NMED 2022). Full document references are provided in Section 5.0.

## 1.1 Objective and Monitoring Scope

The objectives of this monitoring program is to satisfy the requirements set forth in the Stage 2 Abatement Plan and the Stipulated Agreement and to satisfy the requirements set forth in 20.6.2.4110 NMAC.

The following work was performed to meet the objectives of the monitoring program:

- Representatives from D&H Petroleum and Environmental Services, Inc. (D&H) gauged discharge plan (DP) monitoring wells, abatement plan (AP) monitoring wells, and Anthony Waste Water Treatment Plant (WWTP) wells from August 2, 2023 through August 7, 2023. Organ Dairy wells were gauged by Glorieta Geosciences, Inc. (Glorieta) on August 27, 2023.

- From August 8, 2023 through September 14, 2023, D&H representatives collected groundwater samples from all AP and DP wells that contained sufficient water. Glorieta sampled Organ Dairy wells on August 27, 2023. The samples were analyzed for nitrate (as nitrogen), chloride, total dissolved solids (TDS), and total Kjeldahl nitrogen (TKN). Field parameters including specific conductance, pH, temperature, oxidation reduction potential (ORP), and dissolved oxygen were monitored and recorded on field forms during sampling.

Additionally, a performance assessment was performed on the Del Oro pump and reuse system in compliance with the Stage 2 Abatement Plan Modification Performance Plan for Dona Ana Dairies (EA 2022). The performance assessment is provided in Appendix A.

## 1.2 Background

In correspondence dated April 7, 2006, NMED required a Stage 1 Abatement Plan for 13 dairies in Doña Ana County, based on analytical results from DP monitoring of on-site compliance monitoring wells that showed concentrations of nitrate, chloride and TDS exceeding ground water standards promulgated in New Mexico Water Quality Control Commission (NMWQCC) Regulations (20.6.2.3103 NMAC). The 13 dairies were:

1. Organ Dairy (Former Daybreak and Del Norte Dairy)
2. Mountain View Dairy
3. Buena Vista I Dairy
4. Bright Star Dairy
5. Dominguez 2 (Former D&J Dairy)
6. Dominguez Dairy
7. Gonzales Dairy
8. Buena Vista Dairy I and II
9. River Valley Dairy
10. Big Sky Dairy
11. Sunset Dairy
12. Desert Land Dairy
13. Del Oro Dairy

On October 30, 2006, the 13 dairies notified NMED that they had reached an agreement to work as a group and submit a joint response to NMED's request (Doña Ana Dairies, 2006). Currently the Doña Ana Dairies (DAD) consortium consists of 9 dairies with the departure from the group by Buena Vista I Dairy in 2011, River Valley Dairy in April 2019, and Gonzalez Dairy in October 2020.

The current DAD consortium is organized geographically into the northern area, central area and southern area. The northern area currently consists of Organ Dairy, Mountain View Dairy, Bright Star Dairy, Dominguez 2 Dairy, and Dominguez Dairy. The northern land application is also included in the northern area of DAD. Buena Vista Dairy and Gonzalez Dairy, though no longer members of the DAD consortium, are located within the northern area. The central area consists of Buena Vista Dairy II, Big Sky Dairy, and Sunset Dairy/Desert Land Dairy. Though no longer a member of the DAD consortium, River Valley Dairy is also located in the central area. The southern area includes only the Del Oro Dairy.

On December 11, 2006, on behalf of the Doña Ana Dairies, Golder Associates Inc. (Golder) submitted a Stage 1 and 2 Abatement Plan Proposal to address impacts to groundwater in the area containing the Dairies (Golder 2006).

The first major deliverable in the Abatement Plan Proposal was an Existing Data Report (EDR), created to combine all existing and historical data and practices of the constituent dairies. The EDR, submitted on February 1, 2008 (Golder 2008a), was intended to satisfy the DAD consortiums' commitment for compilation and submission of existing data identified in the Doña Ana Dairies response (Golder 2006) to the NMED requirement for Stage 1 Abatement Plans. Section 9 of the EDR outlined data gaps identified during the preparation of the report, as well as the actions recommended. To facilitate the discussion of the path forward after the submittal of the EDR and concurrent with the EDR submission, a conceptual work plan (CWP) was prepared (Golder 2008b).

A meeting was held on July 15, 2008 between the DAD consortium, Golder and NMED. During that meeting, plume maps presented in the EDR (Golder 2008a), new monitoring data, and

knowledge of monitoring well locations and groundwater chemistry results at adjacent DP-regulated facilities were used to identify data gaps with respect to ground water flow direction and plume delineation. The agreed upon data gaps yielded monitoring well locations (including contingency monitoring well locations) recorded in the meeting minutes (Golder 2008c) and depicted in the Sampling and Analysis Plan (SAP) dated August 8, 2008 (Golder 2008d). The SAP outlined the details of the field operations to be implemented for completion of data gaps, such that a Site Investigation Report (§4106.C.6 NMAC) and Stage 2 Abatement Plan (§4106.D NMAC) could be prepared.

Between February 2008 and December 2008, quarterly groundwater gauging was conducted concurrent to discussions with NMED at the DAD consortium to determine the current and historical site groundwater gradient.

In May 2009, field work was conducted as outlined in the SAP and ten AP monitoring wells (DAD-01 through DAD-10) were installed. In July 2009, the Site Investigation Report was submitted to the NMED (EA 2009).

On February 9, 2012, the Final Site Investigation Report was submitted to NMED (EA 2012a). The report summarized field activities that occurred from October 10 through October 14, 2011, and November 10 through 18, 2011, during which eleven soil borings were advanced at the site and converted into monitoring wells DAD-12 through DAD-14, DAD-16 through DAD-22, and DP well 177-03A.

On August 16, 2012, soil boring/monitoring well DAD-15 was installed and on August 20, 2012, well DAD-15 was sampled. An addendum to the Final Site Investigation Report was submitted to NMED on September 9, 2012 (EA 2012b), which summarized DAD-15 field activities.

A Stage 2 Abatement Plan was submitted to NMED on March 13, 2013 (EA 2013a). Based on an NMED response in August 2013, a Revision to the Stage 2 Abatement Plan was submitted on November 7, 2013 (EA 2013b).

On March 25, 2015, the stipulated agreement to additional requirements to the Doña Ana Dairies Stage 2 Abatement Plan was agreed to by NMED Doña Ana Dairies, and the Rio Valle Concerned Citizens. On April 10, 2015, the Stage 2 Abatement Plan with the stipulated agreement was approved by NMED by Final Order (NMED 2015).

EA began implementation of the Stage 2 Abatement Plan and stipulated agreement as directed by the Final Order in December 2015. To meet objectives, four monitoring wells were installed (DAD-23 through DAD-26) and Del Oro Dairy discharge plan (DP) well 692-01 was plugged and abandoned. Details on implementation of these tasks are included *Stage 2 Implementation and Quarterly Groundwater Monitoring Report* dated July 2016 (EA 2016).

In accordance with the approved Stage 2 Abatement Plan and stipulated agreement, a baseline compound specific isotope analysis for nitrogen 14 and nitrogen 15 ($^{15}N/^{14}N$ [$\delta^{15}N$]) and total organic carbon (TOC) was completed for 16 monitoring wells in spring of 2016. Additionally, existing conditions concentrations were recalculated for the contaminants of concern. Results of these analyses are presented in the *Stage 2 Implementation and Quarterly Groundwater*

*Monitoring Report* dated July 2016 (EA 2016). A five-year review containing results of repeated compound specific isotope analysis sampling and recalculated existing conditions concentrations was submitted to NMED in December 2020 (EA 2020a).

Contaminant concentration trend analysis as well as geospatial analysis to evaluate changes in plume behavior are required on an annual basis and are provided in the annual report. Additionally, the results of the annual sampling of irrigation and supply wells and concentration trends of analytes in AP and DP wells are provided in the annual report.

A Stage 2 Abatement Plan Modification proposal was submitted to NMED on August 10, 2018, to address plume instability in the perched aquifer nitrate plume at Del Oro Dairy. Following discussions with NMED, a revised Stage 2 Abatement Plan Modification proposal was submitted on May 1, 2019. A public meeting to discuss the plan was held in Anthony, New Mexico on May 17, 2019. The Stage 2 Abatement Plan Modification proposal was revised based on additional input from NMED and the public and submitted on July 26, 2019 (EA 2019). Public notice for the proposal was initiated on October 23, 2019, and closed on December 31, 2019. An addendum to the Stage 2 Abatement Plan Modification proposal was submitted on July 13, 2020 (EA 2020b). A revised addendum to the Stage 2 Abatement Plan Modification proposal was submitted on July 13, 2021, based on additional comments from the public (EA 2021). An additional virtual townhall meeting was held on December 15, 2021, that presented the current proposal. The performance plan was submitted to NMED on February 15, 2022 (EA 2022). NMED approved the Stage 2 Abatement Plan Modification for Doña Ana Dairies (EA 2019), the accompanying Stage 2 Abatement Plan Addendum for Reuse of Pumped Groundwater at Del Oro Dairy (EA 2021), and the Stage 2 Abatement Plan Modification Performance Plan (EA 2022) on April 26, 2022 (NMED 2022). Implementation is detailed in the Stage 2 Abatement Plan Modification Completion Report (EA 2023). The quarterly performance assessment of the Del Oro Dairy pump and reuse system, as required by Stage 2 Abatement Plan Modification Performance Plan (EA 2022) is provided in Appendix A.

# 2.0 GROUNDWATER MONITORING ACTIVITIES

Groundwater monitoring activities included gauging AP monitoring wells, DP monitoring wells for dairies that are a part of the DAD consortium, and the Anthony WWTP monitoring wells. Groundwater samples were collected from AP monitoring wells and DP monitoring wells for dairies that are a part of the DAD consortium. The DAD consortium currently consists of the following dairies: Big Sky, Bright Star, Buena Vista II, Del Oro, Dominguez, Dominguez 2, Mountain View, Organ, and Sunset/Desert Land. Groundwater samples were analyzed for nitrate, chloride, TDS, and TKN. The resulting data from this groundwater monitoring event are compiled and presented below.

## 2.1 Monitoring Well Gauging

From August 2, 2023, through August 7, 2023, representatives from D&H gauged DP monitoring wells, AP monitoring wells, and Anthony WWTP wells with an electronic water level indicator. Organ Dairy wells were gauged by Glorieta on August 27, 2023. Table 1 provides a summary of the groundwater gauging data collected from the monitoring network. Data obtained during gauging are shown on potentiometric surface maps included as Figures 2, 3, 4, and 5. Well gauging field forms are available in Appendix B.

## 2.2 Groundwater Sampling

D&H collected groundwater samples from all AP monitoring wells with sufficient water from August 30, 2023, through September 14, 2023. Groundwater sampling from AP wells was accomplished with new, disposable bailers and twine. Three well casing volumes were purged unless the well contained insufficient water.

D&H collected groundwater from the DP wells from August 8, 2023, through August 29, 2023. Glorieta collected groundwater from Organ Dairy DP wells on August 27, 2023. Prior to sampling, all DP wells were purged of three well casing volumes, if practicable, by (1) hand-bailing with new, disposable bailers and twine, (2) pumping with a submersible pump and new polyethylene tubing, or (3) pumping with a dedicated pump and new polyethylene tubing. Several DP wells were dry or contained insufficient water for sampling. Organ Dairy wells 126-04, 126-05, 126-07, and 126-09 contained insufficient water and were not sampled. Bright Star well 340-02 and Del Oro Dairy well 692-04 were dry.

The wells were sampled from historically clean to dirty to the extent possible to minimize cross-contamination potential. All non-dedicated or disposable equipment was decontaminated between wells with an Alconox™ solution to further ensure sample quality. All meters were calibrated and/or checked with standards in accordance with the manufacturer's specifications prior to daily use. Purge water was ground discharged.

When sufficient water was available, field parameters including specific conductance, temperature, pH, ORP, and dissolved oxygen were monitored using a water quality meter and data were recorded on field forms. Dissolved oxygen and ORP were only measured in the first set of readings. Field parameters from August 2015 to present are summarized in Table 2. The sampling field forms are presented in Appendix B.

All groundwater samples were collected immediately after purging. Sampling was either accomplished by carefully pouring groundwater from the bailer into the sample containers or by pumping groundwater through new polyethylene tubing into the sample container. Sample containers were provided by Hall Environmental Analysis Laboratory, Inc. (Hall). Container size, type, sample preservatives, analytical methods, and holding times are specified in Table 3. All samples were preserved in accordance with method requirements, labeled, then immediately cooled to <6°C with ice and delivered under chain-of-custody to Hall in Albuquerque, New Mexico. All analytical laboratory reports are provided in Appendix C.

# 3.0 GROUNDWATER MONITORING RESULTS

## 3.1 Hydraulic Gradient and Direction of Groundwater Flow

During the past quarter, groundwater was present beneath the site at depths ranging from 14.16 feet below top-of-casing (ft btoc) in Sunset well 257-03 to 136.32 ft btoc in Dominguez 2 well 42-12. Groundwater was encountered at shallower depths near the Mesquite Drain and at greater depths near I-10 where the topographic elevation increases.

AP monitoring well DAD-25 may have been completed in a perched aquifer, as groundwater elevations have consistently measured several feet higher than groundwater elevations in surrounding wells. As a result, groundwater elevation data from this well is not used in contouring for the central area potentiometric surface map.

Potentiometric surface maps of groundwater elevation were completed using monitoring well gauging data for the northern, central, and southern areas (perched and regional aquifers) of the Dairies. Groundwater elevation data are provided in Table 1 and potentiometric surface maps are provided as Figures 2 through 5. Hydrographs were completed for select monitoring wells in each area and are provided in Appendix D. On average, regional aquifer groundwater elevations decreased by 0.34 feet in the northern, area and by 0.09 feet in the southern area compared to the previous quarter. The regional aquifer groundwater elevations increased by an average of 0.02 feet in the central area relative to last quarter. In the southern perched aquifer, groundwater elevations increased by an average of 0.18 feet.

During the most recent gauging event, groundwater flow direction in the northern area was to the east except in the southern portion of the northern area where groundwater flowed to the southeast. Groundwater flow direction in the central and southern regional aquifers was generally to the southeast. Flow direction in the southern perched aquifer was to the south.

The hydraulic gradient across the Dairies in the northern, central, and southern portions of the regional aquifer was approximately 0.001 ft/ft and the hydraulic gradient in the perched aquifer in the southern area was approximately 0.004 ft/ft.

## 3.2 Groundwater Field Parameters

Field parameters from the most recent monitoring event (specific conductance, pH, temperature, ORP, and dissolved oxygen) were recorded on the sampling field forms provided in Appendix B and are summarized in Table 2. Specific conductance, dissolved oxygen, and ORP trends for select wells are presented in Appendix E. Though dissolved oxygen and ORP measurements from wells containing a dedicated pump were recorded, these measurements are not considered representative of aquifer conditions. As noted in Section 2.2, dissolved oxygen and ORP are only recorded in the first set of readings. This is because hand bailing agitates the aquifer and the ORP and dissolved oxygen measurements are not considered representative once agitation begins.

## 3.3 Groundwater Analytical Results

### *3.3.1 Abatement Plan Monitoring Well Analytical Results*

Groundwater analyte concentrations were below the 10 milligrams per liter (mg/L) NMWQCC standard for nitrate as nitrogen in 12 of the 27 AP monitoring wells sampled. Groundwater collected from the following 15 AP wells had nitrate concentrations above the standard: DAD-01, DAD-07, DAD-08, DAD-09, DAD-11 (vertical delineation well), DAD-12 (vertical delineation well), DAD-13, DAD-14, DAD-15, DAD-19 (vertical delineation well), DAD-20, DAD-21, DAD-22, DAD-23, and DAD-26.

Nitrate concentrations decreased or were the same in groundwater collected from AP wells DAD-01, DAD-02, DAD-03, DAD-05, DAD-06R, DAD-08, DAD-09, DAD-10, DAD-13, DAD-16, DAD-17, DAD-19 (vertical delineation well), DAD-21, DAD-22, DAD-23, DAD-24, DAD-25, DAD-26, and DAD-27 compared to the previous sampling event. The largest decrease in nitrate concentration was observed in well DAD-21, which decreased from 46 mg/L in June 2023 to 35 mg/L in September 2023. The largest nitrate concentration increase was observed in groundwater collected from well DAD-14, where concentrations increased from 60 mg/L in May 2023 to 70 mg/L in August 2023. During this sampling event, nitrate concentrations in groundwater collected from AP wells ranged from 70 mg/L in well DAD-14 to below the laboratory reporting limit of 1.0 mg/L in wells DAD-03, DAD-04, DAD-05, DAD-16, and DAD-17. Note that well DAD-04 was dry in May 2023.

Both chloride and TDS concentrations equaled or exceeded their respective NMWQCC standards in most AP wells. Exceptions include wells DAD-05, DAD-06R, and DAD-17, where both chloride and TDS groundwater concentrations were below the 250 mg/L and 1,000 mg/L standards, respectively. The highest chloride and TDS concentrations in the AP wells were found in well DAD-08, where respective groundwater concentrations were 1,500 mg/L and 4,150 mg/L.

Table 4 and Figures 6 through 9 present the analytical results for AP monitoring wells. Analytical laboratory reports are provided in Appendix C. Nitrate, chloride, and TDS concentration trends for select AP wells are presented by area in Appendix F.

### *3.3.2 Abatement Plan and Discharge Plan Analytical Results by Area*

DP groundwater analytical results are presented in Table 5. Nitrate, chloride, and TDS concentration trends for the AP wells by area are presented in Appendix F. Analytical data for all sampled wells are plotted on Figures 6 through 9. Analytical laboratory reports are included in Appendix C. Discussions of upgradient/downgradient conditions in the following section are based on groundwater flow directions presented in Section 3.1. The following discussions summarize the results by area at the Dairies.

*Northern Portion*

Groundwater collected from upgradient well 86/340-01 (located north of the abatement area) has been below the nitrate NMWQCC standard of 10 mg/L since February 2018; historically, groundwater concentrations in this well were consistently above the nitrate standard. Northern Land Application Area well 70/86/340-01, located at the northern-most boundary of the abatement area, contained groundwater above the nitrate standard in August 2023 at a concentration of 69 mg/L. Organ Dairy well 126-12, Dominguez Dairy 2 well 42-02, and Dominguez Dairy 624-02 delineate the western edge of the plume. The nitrate plume is defined

to the east by Dominguez Dairy wells 42-10, 42-11, and 42-12 and AP wells DAD-01 and DAD-13, which are just over the standard. Southern plume delineation is provided by AP well DAD-02. The highest nitrate concentration in the northern portion was observed in DAD-14 with a concentration of 70 mg/L.

The chloride and TDS concentrations in DP wells were at or above their standards in all wells sampled within the northern portion of the Dairies except for chloride, which was detected below the 250 mg/L standard in Dominguez well 624-09 at a concentration of 240 mg/L and TDS in Organ Dairy 126-13 with a suspect concentration of 645 mg/L. The highest concentrations of chloride and TDS were observed in Northern Land Application area well 70/86/340-01 at concentrations of 2,400 mg/L and 7,090 mg/L, respectively.

*Central Portion*

The northern extent of the central portion nitrate plume is defined by Buena Vista Dairy II well 74-03 where nitrate concentrations were not detected above the laboratory reporting limit. The southern extent is defined by Las Cruces Community Farms (formerly McAnally Enterprises) well MW-4, where nitrate was detected at a concentration of 1.2 mg/L in August 2023. Historically, the eastern extent of the plume was defined by wells DAD-07 and DAD-15. In the most recent sampling event, nitrate concentrations in groundwater collected from these wells exceeded the standard at 34 mg/L and 21 mg/L, respectively. The eastern edge of the nitrate plume is currently delineated by AP well DAD-06R, at a concentration of 6.3 mg/L. The western extent is defined by Buena Vista Dairy well 74-02 and AP wells DAD-16 and DAD-05; nitrate was not detected above the reporting limit of 1.0 mg/L in these wells. Sunset Dairy well 257-03 is also located to the west, but nitrate was detected above the standard and at a historical high of 30 mg/L. The highest nitrate concentration in the central portion was 96 mg/L, observed in Big Sky Dairy well 833-07.

Chloride and TDS concentrations were generally at or above standards in wells within the central portion of the Dairies. Chloride was below the standard in Buena Vista Dairy II well 74-03 (210 mg/L) and in AP wells DAD-05 (97 mg/L), DAD-06R (110 mg/L) and DAD-17 (66 mg/L). TDS was below the standard in AP wells DAD-05 (872 mg/L), DAD-06R (726 mg/L), and DAD-17 (613 mg/L). The highest chloride concentration was observed at AP well DAD-08 at 1,500 mg/L. The highest TDS concentration of 4,620 mg/L was detected at Big Sky Dairy well 833-07.

*Southern Portion – Regional Aquifer*

Wells completed in the regional aquifer in the southern portion of the dairies include AP well DAD-10 and Del Oro wells 692-05 through 692-10 (Figure 8). All of the groundwater collected from wells in the regional aquifer contained nitrate below the NMWQCC standard except for Del Oro well 692-05 (16 mg/L).

Chloride concentrations were detected above the NMWQCC standard and ranged from 360 mg/L in AP well DAD-10 to 630 mg/L in Del Oro Dairy well 692-10. TDS concentrations ranged from 1,280 mg/L in DP well 692-08 to 1,640 mg/L in Del Oro Dairy well 692-10.

*Southern Portion – Perched Aquifer*

Wells completed in the perched aquifer in the southern portion that are sampled on a quarterly basis by DAD include wells 692-02, 629-04, DAD-09, DAD-20, DAD-21, DAD-22, DAD-26, and DAD-27 (Figure 9). Groundwater nitrate concentrations were above the standard in all monitoring wells in the perched aquifer except downgradient well DAD-27 (6.8 mg/L). The highest nitrate concentration was detected at AP well DAD-21 (35 mg/L). The concentration of nitrate in groundwater collected from downgradient AP wells DAD-20, DAD-22, and DAD-26 are 33 mg/L, 14 mg/L, and 16 mg/L, respectively. The nitrate plume is delineated to the southwest by AP well DAD-27. The nitrate concentration has remained relatively steady in DAD-27. Additionally, the nitrate concentration decreased in DP well 692-02.

Chloride concentrations in the perched aquifer monitoring wells ranged from 410 mg/L in AP well DAD-09 to 930 mg/L in AP well DAD-26. TDS in the perched aquifer ranged from 1,640 mg/L in AP well DAD-09 to 3,030 mg/L in AP well DAD-26.

# 4.0 CONCLUSION AND RECOMMENDATIONS

This groundwater monitoring event included the gauging of all DP and AP wells and sampling of all wells that contained sufficient water. Based on the data collected, the following conclusions and recommendations are presented:

- Depth to groundwater ranged from 14.16 feet ft btoc in Sunset well 257-03 to 136.32 ft btoc in Dominguez 2 well 42-12.

- On average, regional aquifer groundwater elevations decreased by 0.34 feet in the northern, area and by 0.09 feet in the southern area compared to the previous quarter. The regional aquifer groundwater elevations increased by an average of 0.02 feet in the central area relative to last quarter. In the southern perched aquifer, groundwater elevations increased by an average of 0.18 feet.

- During the most recent gauging event, groundwater flow direction in the northern area was to the east except in the southern portion of the northern area where groundwater flowed to the southeast. Groundwater flow direction in the central and southern regional aquifers was generally to the southeast. Flow direction in the southern perched aquifer was to the south.

- The hydraulic gradient across the Dairies in the regional aquifer was approximately 0.001 ft/ft. The hydraulic gradient in the southern perched aquifer was approximately 0.004 ft/ft.

- Nitrate was below the NMWQCC standard of 10 mg/L in 12 of the 27 groundwater samples collected from the AP wells.

- Chloride and TDS generally remain at or above standards in regional aquifer wells upgradient of the northern, central, and southern portions of the plumes at the Dairies.

- At Del Oro Dairy within the perched aquifer the nitrate concentrations appear to be decreasing because of the pump and reuse system.

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# TABLES
**(Provided in Electronic Format via CD Located on Front Cover of Report)**

# TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA
# DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| **NORTHERN AREA** | | | | | | |
| **Northern Land Application Area** | | | | | | |
| 70-03 | 2-Aug-2023 | 424580.78 | 1510233.88 | 3871.43 | 60.01 | 3811.42 |
| | 1-May-2023 | | | | 59.11 | 3812.32 |
| | 2-Feb-2023 | | | | 59.25 | 3812.18 |
| | 1-Nov-2022 | | | | 60.10 | 3811.33 |
| | 1-Aug-2022 | | | | 60.07 | 3811.36 |
| | 2-May-2022 | | | | 59.10 | 3812.33 |
| | 7-Feb-2022 | | | | 58.25 | 3813.18 |
| | 1-Nov-2021 | | | | 58.71 | 3812.72 |
| | 4-Aug-2021 | | | | 58.18 | 3813.25 |
| | 3-May-2021 | | | | 57.34 | 3814.09 |
| | 10-Feb-2021 | | | | 56.98 | 3814.45 |
| | 2-Nov-2020 | | | | 57.56 | 3813.87 |
| | 10-Aug-2020 | | | | 58.02 | 3813.41 |
| | 11-May-2020 | | | | 57.18 | 3814.25 |
| | 4-Feb-2020 | | | | 56.95 | 3814.48 |
| | 8-Nov-2019 | | | | 57.10 | 3814.33 |
| | 1-Aug-2019 | | | | 58.39 | 3813.04 |
| | 8-May-2019 | | | | 57.97 | 3813.46 |
| | 19-Feb-2019 | | | | 56.90 | 3814.53 |
| | 12-Nov-2018 | | | | 57.16 | 3814.27 |
| | 6-Aug-2018 | | | | 58.05 | 3813.38 |
| | 17-May-2018 | | | | 57.26 | 3814.17 |
| | 5-Feb-2018 | | | | 56.16 | 3815.27 |
| | 6-Nov-2017 | | | | 56.89 | 3814.54 |
| | 8-Aug-2017 | | | | 57.90 | 3813.53 |
| | 15-May-2017 | | | | 58.20 | 3813.23 |
| | 6-Feb-2017 | | | | 57.09 | 3814.34 |
| | 7-Nov-2016 | | | | 58.05 | 3813.38 |
| | 15-Aug-2016 | | | | 58.74 | 3812.69 |
| | 16-May-2016 | | | | 58.50 | 3812.93 |
| | 9-Feb-2016 | | | | 57.37 | 3814.06 |
| | 6-Nov-2015 | | | | 58.03 | 3813.40 |
| | 5-Aug-2015 | | | | 58.45 | 3812.98 |
| | 6-May-2015 | | | | 57.82 | 3813.61 |
| | 5-Feb-2015 | | | | 56.55 | 3814.88 |
| | 5-Nov-2014 | | | | 57.25 | 3814.18 |
| | 12-Aug-2014 | | | | 57.24 | 3814.19 |
| | 12-May-2014 | | | | 56.58 | 3814.85 |
| | 12-Feb-2014 | | | | 55.26 | 3816.17 |
| | 6-Nov-2013 | | | | 55.93 | 3815.50 |
| | 6-Aug-2013 | | | | 54.52 | 3816.91 |
| | 7-May-2013 | | | | 53.87 | 3817.56 |
| | 7-Feb-2013 | | | | 53.46 | 3817.97 |
| | 24-Oct-2012 | | | | 54.05 | 3817.38 |
| | 30-Jul-2012 | | | | 53.70 | 3817.73 |
| | 23-Apr-2012 | | | | 52.84 | 3818.59 |
| | 30-Jan-2012 | | | | 51.41 | 3820.02 |
| | 8-Dec-2011 | | | | 51.49 | 3819.94 |
| | 19-Jul-2011 | | | | 50.77 | 3820.66 |
| | 20-Apr-2011 | | | | 49.69 | 3821.74 |
| | 17-Jan-2011 | | | | 48.70 | 3822.73 |
| | 14-Sep-2010 | | | | 49.02 | 3822.41 |
| | 24-Jun-2010 | | | | 48.99 | 3822.44 |
| | 22-Mar-2010 | | | | 48.90 | 3822.53 |
| | 8-Dec-2009 | | | | 48.72 | 3822.71 |
| | 28-Aug-2009 | | | | 49.21 | 3822.22 |
| | 26-May-2009 | | | | 48.91 | 3822.52 |
| | 11-Dec-2008 | | | | 48.02 | 3823.41 |
| | 28-Sep-2008 | | | | 48.06 | 3823.37 |
| | 11-Jun-2008 | | | | 49.20 | 3822.23 |
| | 5-Feb-2008 | | | | 47.95 | 3823.48 |
| | 14-Nov-2007 | | | | 48.10 | 3823.33 |
| | 12-Sep-2007 | | | | 48.70 | 3822.73 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| 70/86/340-01 | 2-Aug-2023 | 427320.92 | 1508461.05 | 3866.77 | 54.78 | 3811.99 |
| | 1-May-2023 | | | | 54.00 | 3812.77 |
| | 2-Feb-2023 | | | | 53.05 | 3813.72 |
| | 1-Nov-2022 | | | | 53.74 | 3813.03 |
| | 1-Aug-2022 | | | | 53.36 | 3813.41 |
| | 2-May-2022 | | | | 52.69 | 3814.08 |
| | 7-Feb-2022 | | | | 51.94 | 3814.83 |
| | 1-Nov-2021 | | | | 52.33 | 3814.44 |
| | 4-Aug-2021 | | | | 51.76 | 3815.01 |
| | 3-May-2021 | | | | 51.18 | 3815.59 |
| | 10-Feb-2021 | | | | 49.90 | 3816.87 |
| | 2-Nov-2020 | | | | 51.00 | 3815.77 |
| | 10-Aug-2020 | | | | 51.46 | 3815.31 |
| | 11-May-2020 | | | | 51.15 | 3815.62 |
| | 4-Feb-2020 | | | | 50.20 | 3816.57 |
| | 8-Nov-2019 | | | | 50.44 | 3816.33 |
| | 1-Aug-2019 | | | | 51.52 | 3815.25 |
| | 8-May-2019 | | | | 51.31 | 3815.46 |
| | 19-Feb-2019 | | | | 50.16 | 3816.61 |
| | 12-Nov-2018 | | | | 50.26 | 3816.51 |
| | 6-Aug-2018 | | | | 50.70 | 3816.07 |
| | 17-May-2018 | | | | 50.25 | 3816.52 |
| | 5-Feb-2018 | | | | 49.10 | 3817.67 |
| | 6-Nov-2017 | | | | 49.58 | 3817.19 |
| | 8-Aug-2017 | | | | 50.35 | 3816.42 |
| | 15-May-2017 | | | | 51.40 | 3815.37 |
| | 6-Feb-2017 | | | | 50.12 | 3816.65 |
| | 7-Nov-2016 | | | | 51.02 | 3815.75 |
| | 15-Aug-2016 | | | | 51.56 | 3815.21 |
| | 16-May-2016 | | | | 51.48 | 3815.29 |
| | 9-Feb-2016 | | | | 50.22 | 3816.55 |
| | 6-Nov-2015 | | | | 51.02 | 3815.75 |
| | 5-Aug-2015 | | | | 51.22 | 3815.55 |
| | 6-May-2015 | | | | 50.90 | 3815.87 |
| | 5-Feb-2015 | | | | 49.68 | 3817.09 |
| | 5-Nov-2014 | | | | 50.67 | 3816.10 |
| | 12-Aug-2014 | | | | 50.38 | 3816.39 |
| | 12-May-2014 | | | | 49.94 | 3816.83 |
| | 12-Feb-2014 | | | | 48.95 | 3817.82 |
| | 6-Nov-2013 | | | | 49.21 | 3817.56 |
| | 6-Aug-2013 | | | | 46.44 | 3820.33 |
| | 7-May-2013 | | | | 46.79 | 3819.98 |
| | 7-Feb-2013 | | | | 46.49 | 3820.28 |
| | 24-Oct-2012 | | | | 47.30 | 3819.47 |
| | 30-Jul-2012 | | | | 46.84 | 3819.93 |
| | 23-Apr-2012 | | | | 45.91 | 3820.86 |
| | 8-Dec-2011 | | | | 45.17 | 3821.60 |
| | 19-Jul-2011 | | | | 44.49 | 3822.28 |
| | 20-Apr-2011 | | | | 43.15 | 3823.62 |
| | 17-Jan-2011 | | | | 42.00 | 3824.77 |
| | 14-Sep-2010 | | | | 41.79 | 3824.98 |
| | 24-Jun-2010 | | | | 42.67 | 3824.10 |
| | 22-Mar-2010 | | | | 42.21 | 3824.56 |
| | 8-Dec-2009 | | | | 42.02 | 3824.75 |
| | 28-Aug-2009 | | | | 42.39 | 3824.38 |
| | 26-May-2009 | | | | 42.33 | 3824.44 |
| | 11-Dec-2008 | | | | 41.15 | 3825.62 |
| | 28-Sep-2008 | | | | 41.58 | 3825.19 |
| | 11-Jun-2008 | | | | 42.31 | 3824.46 |
| | 5-Feb-2008 | | | | 41.07 | 3825.70 |
| | 14-Nov-2007 | | | | 41.38 | 3825.39 |
| | 12-Sep-2007 | | | | 41.46 | 3825.31 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| 86/340-01 | 2-Aug-2023 | 432021.33 | 1503216.90 | 3876.14 | 60.52 | 3815.62 |
| | 1-May-2023 | | | | 60.31 | 3815.83 |
| | 2-Feb-2023 | | | | 59.55 | 3816.59 |
| | 1-Nov-2022 | | | | 60.05 | 3816.09 |
| | 1-Aug-2022 | | | | 60.10 | 3816.04 |
| | 2-May-2022 | | | | 59.20 | 3816.94 |
| | 7-Feb-2022 | | | | 58.41 | 3817.73 |
| | 1-Nov-2021 | | | | 58.78 | 3817.36 |
| | 4-Aug-2021 | | | | 58.01 | 3818.13 |
| | 3-May-2021 | | | | 57.21 | 3818.93 |
| | 10-Feb-2021 | | | | 56.92 | 3819.22 |
| | 2-Nov-2020 | | | | 57.08 | 3819.06 |
| | 10-Aug-2020 | | | | 56.96 | 3819.18 |
| | 11-May-2020 | | | | 57.00 | 3819.14 |
| | 4-Feb-2020 | | | | 56.41 | 3819.73 |
| | 8-Nov-2019 | | | | 56.83 | 3819.31 |
| | 1-Aug-2019 | | | | 57.87 | 3818.27 |
| | 8-May-2019 | | | | 57.95 | 3818.19 |
| | 19-Feb-2019 | | | | 56.61 | 3819.53 |
| | 12-Nov-2018 | | | | 57.17 | 3818.97 |
| | 6-Aug-2018 | | | | 56.98 | 3819.16 |
| | 17-May-2018 | | | | 57.00 | 3819.14 |
| | 5-Feb-2018 | | | | 55.09 | 3821.05 |
| | 6-Nov-2017 | | | | 55.91 | 3820.23 |
| | 8-Aug-2017 | | | | 57.30 | 3818.84 |
| | 15-May-2017 | | | | 58.13 | 3818.01 |
| | 6-Feb-2017 | | | | 56.49 | 3819.65 |
| | 7-Nov-2016 | | | | 57.58 | 3818.56 |
| | 15-Aug-2016 | | | | 58.36 | 3817.78 |
| | 16-May-2016 | | | | 58.48 | 3817.66 |
| | 9-Feb-2016 | | | | 56.93 | 3819.21 |
| | 6-Nov-2015 | | | | 57.83 | 3818.31 |
| | 5-Aug-2015 | | | | 57.73 | 3818.41 |
| | 6-May-2015 | | | | 57.74 | 3818.40 |
| | 5-Feb-2015 | | | | 56.32 | 3819.82 |
| | 5-Nov-2014 | | | | 57.31 | 3818.83 |
| | 12-Aug-2014 | | | | 57.28 | 3818.86 |
| | 12-May-2014 | | | | 57.04 | 3819.10 |
| | 12-Feb-2014 | | | | 55.10 | 3821.04 |
| | 6-Nov-2013 | | | | 55.78 | 3820.36 |
| | 6-Aug-2013 | | | | 53.29 | 3822.85 |
| | 7-May-2013 | | | | 52.65 | 3823.49 |
| | 7-Feb-2013 | | | | 52.31 | 3823.83 |
| | 24-Oct-2012 | | | | 53.16 | 3822.98 |
| | 30-Jul-2012 | | | | 52.70 | 3823.44 |
| | 23-Apr-2012 | | | | 52.20 | 3823.94 |
| | 30-Jan-2012 | | | | 51.10 | 3825.04 |
| | 8-Dec-2011 | | | | 51.20 | 3824.94 |
| | 19-Jul-2011 | | | | 50.36 | 3825.78 |
| | 20-Apr-2011 | | | | 48.91 | 3827.23 |
| | 17-Jan-2011 | | | | 47.00 | 3829.14 |
| | 14-Sep-2010 | | | | 47.63 | 3828.51 |
| | 24-Jun-2010 | | | | 48.22 | 3827.92 |
| | 22-Mar-2010 | | | | 47.66 | 3828.48 |
| | 8-Dec-2009 | | | | 47.39 | 3828.75 |
| | 28-Aug-2009 | | | | 47.75 | 3828.39 |
| | 26-May-2009 | | | | 47.86 | 3828.28 |
| | 11-Dec-2008 | | | | 46.68 | 3829.46 |
| | 28-Sep-2008 | | | | 47.44 | 3828.70 |
| | 11-Jun-2008 | | | | 48.11 | 3828.03 |
| | 5-Feb-2008 | | | | 46.68 | 3829.46 |
| | 14-Nov-2007 | | | | 47.11 | 3829.03 |
| | 12-Sep-2007 | | | | 47.85 | 3828.29 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| **Organ Dairy (Formerly known as Del Norte Dairy and Daybreak Dairy)** | | | | | | |
| 126-04 | 27-Aug-2023 | 423258.23 | 1510546.24 | 3850.31 | 38.05 | 3812.26 |
| | 24-May-2023 | | | | 38.00 | 3812.31 |
| | 11-Jan-2023 | | | | 37.62 | 3812.69 |
| | 8-Nov-2022 | | | | 38.05 | 3812.26 |
| | 17-Aug-2022 | | | | 38.00 | 3812.31 |
| | 5-May-2022 | | | | 37.41 | 3812.90 |
| | 24-Feb-2022 | | | | 36.20 | 3814.11 |
| | 9-Nov-2021 | | | | 36.75 | 3813.56 |
| | 11-Aug-2021 | | | | 36.60 | 3813.71 |
| | 4-May-2021 | | | | 35.85 | 3814.46 |
| | 9-Feb-2021 | | | | 34.95 | 3815.36 |
| | 10-Nov-2020 | | | | 35.70 | 3814.61 |
| | 12-Aug-2020 | | | | 36.13 | 3814.18 |
| | 11-May-2020 | | | | 35.98 | 3814.33 |
| | 4-Feb-2020 | | | | 35.35 | 3814.96 |
| | 8-Nov-2019 | | | | 35.44 | 3814.87 |
| | 1-Aug-2019 | | | | 36.75 | 3813.56 |
| | 8-May-2019 | | | | 36.30 | 3814.01 |
| | 19-Feb-2019 | | | | 35.32 | 3814.99 |
| | 12-Nov-2018 | | | | 35.56 | 3814.75 |
| | 6-Aug-2018 | | | | 36.34 | 3813.97 |
| | 17-May-2018 | | | | 35.75 | 3814.56 |
| | 5-Feb-2018 | | | | 34.67 | 3815.64 |
| | 6-Nov-2017 | | | | 35.47 | 3814.84 |
| | 7-Aug-2017 | | | | 36.60 | 3813.71 |
| | 15-May-2017 | | | | 36.60 | 3813.71 |
| | 6-Feb-2017 | | | | 35.61 | 3814.70 |
| | 7-Nov-2016 | | | | 36.52 | 3813.79 |
| | 15-Aug-2016 | | | | 37.28 | 3813.03 |
| | 16-May-2016 | | | | 37.06 | 3813.25 |
| | 9-Feb-2016 | | | | 38.20 | 3812.11 |
| | 5-Nov-2015 | | | | 36.51 | 3813.80 |
| | 5-Aug-2015 | | | | 37.00 | 3813.31 |
| | 6-May-2015 | | | | 36.30 | 3814.01 |
| | 5-Feb-2015 | | | | 35.06 | 3815.25 |
| | 5-Nov-2014 | | | | 35.62 | 3814.69 |
| | 12-Aug-2014 | | | | 35.61 | 3814.70 |
| | 12-May-2014 | | | | 34.98 | 3815.33 |
| | 12-Feb-2014 | | | | 33.79 | 3816.52 |
| | 6-Nov-2013 | | | | 34.32 | 3815.99 |
| | 6-Aug-2013 | | | | 32.93 | 3817.38 |
| | 7-May-2013 | | | | 32.01 | 3818.30 |
| | 7-Feb-2013 | | | | 32.05 | 3818.26 |
| | 24-Oct-2012 | | | | 32.58 | 3817.73 |
| | 30-Jul-2012 | | | | 32.23 | 3818.08 |
| | 23-Apr-2012 | | | | 31.46 | 3818.85 |
| | 26-Jan-2012 | | | | 30.89 | 3819.42 |
| | 8-Dec-2011 | | | | 30.84 | 3819.47 |
| | 19-Jul-2011 | | | | 30.26 | 3820.05 |
| | 20-Apr-2011 | | | | 29.09 | 3821.22 |
| | 17-Jan-2011 | | | | 28.20 | 3822.11 |
| | 14-Sep-2010 | | | | 28.60 | 3821.71 |
| | 24-Jun-2010 | | | | 28.21 | 3822.10 |
| | 22-Mar-2010 | | | | 28.33 | 3821.98 |
| | 8-Dec-2009 | | | | 28.17 | 3822.14 |
| | 28-Aug-2009 | | | | 28.50 | 3821.81 |
| | 26-May-2009 | | | | 28.30 | 3822.01 |
| | 11-Dec-2008 | | | | 27.56 | 3822.75 |
| | 27-Sep-2008 | | | | 27.96 | 3822.35 |
| | 10-Jun-2008 | | | | 28.61 | 3821.70 |
| | 6-Feb-2008 | | | | 27.53 | 3822.78 |
| | 14-Nov-2007 | | | | 27.61 | 3822.70 |
| | 11-Sep-2007 | | | | 28.19 | 3822.12 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| 126-05 | 27-Aug-2023 | 422293.26 | 1510649.84 | 3842.62 | 30.80 | 3811.82 |
| | 24-May-2023 | | | | 30.70 | 3811.92 |
| | 11-Jan-2023 | | | | 29.70 | 3812.92 |
| | 8-Nov-2022 | | | | 30.05 | 3812.57 |
| | 17-Aug-2022 | | | | 30.05 | 3812.57 |
| | 5-May-2022 | | | | 28.20 | 3814.42 |
| | 24-Feb-2022 | | | | 28.27 | 3814.35 |
| | 9-Nov-2021 | | | | 28.00 | 3814.62 |
| | 11-Aug-2021 | | | | 28.10 | 3814.52 |
| | 4-May-2021 | | | | 27.40 | 3815.22 |
| | 9-Feb-2021 | | | | 28.60 | 3814.02 |
| | 10-Nov-2020 | | | | 26.85 | 3815.77 |
| | 12-Aug-2020 | | | | 27.45 | 3815.17 |
| | 11-May-2020 | | | | 29.35 | 3813.27 |
| | 4-Feb-2020 | | | | 28.48 | 3814.14 |
| | 8-Nov-2019 | | | | 27.71 | 3814.91 |
| | 1-Aug-2019 | | | | 28.31 | 3814.31 |
| | 8-May-2019 | | | | 28.04 | 3814.58 |
| | 19-Feb-2019 | | | | 27.25 | 3815.37 |
| | 12-Nov-2018 | | | | 27.08 | 3815.54 |
| | 6-Aug-2018 | | | | 27.53 | 3815.09 |
| | 17-May-2018 | | | | 27.53 | 3815.09 |
| | 5-Feb-2018 | | | | 26.59 | 3816.03 |
| | 6-Nov-2017 | | | | 27.15 | 3815.47 |
| | 7-Aug-2017 | | | | 28.39 | 3814.23 |
| | 15-May-2017 | | | | 28.59 | 3814.03 |
| | 6-Feb-2017 | | | | 27.91 | 3814.71 |
| | 7-Nov-2016 | | | | 28.45 | 3814.17 |
| | 15-Aug-2016 | | | | 29.25 | 3813.37 |
| | 16-May-2016 | | | | 29.48 | 3813.14 |
| | 9-Feb-2016 | | | | 28.32 | 3814.30 |
| | 5-Nov-2015 | | | | 28.80 | 3813.82 |
| | 5-Aug-2015 | | | | 29.38 | 3813.24 |
| | 6-May-2015 | | | | 28.87 | 3813.75 |
| | 5-Feb-2015 | | | | 27.65 | 3814.97 |
| | 5-Nov-2014 | | | | 27.95 | 3814.67 |
| | 12-Aug-2014 | | | | 27.85 | 3814.77 |
| | 12-May-2014 | | | | 27.63 | 3814.99 |
| | 12-Feb-2014 | | | | 26.34 | 3816.28 |
| | 6-Nov-2013 | | | | 26.67 | 3815.95 |
| | 6-Aug-2013 | | | | 25.20 | 3817.42 |
| | 7-May-2013 | | | | 24.65 | 3817.97 |
| | 7-Feb-2013 | | | | 24.71 | 3817.91 |
| | 24-Oct-2012 | | | | 24.96 | 3817.66 |
| | 30-Jul-2012 | | | | 24.73 | 3817.89 |
| | 23-Apr-2012 | | | | 24.21 | 3818.41 |
| | 26-Jan-2012 | | | | 23.52 | 3819.10 |
| | 8-Dec-2011 | | | | 23.50 | 3819.12 |
| | 19-Jul-2011 | | | | 22.72 | 3819.90 |
| | 20-Apr-2011 | | | | 21.74 | 3820.88 |
| | 21-Jan-2011 | | | | 21.30 | 3821.32 |
| | 14-Sep-2010 | | | | 20.91 | 3821.71 |
| | 24-Jun-2010 | | | | 21.13 | 3821.49 |
| | 22-Mar-2010 | | | | 21.06 | 3821.56 |
| | 8-Dec-2009 | | | | 20.88 | 3821.74 |
| | 28-Aug-2009 | | | | 20.83 | 3821.79 |
| | 26-May-2009 | | | | 20.91 | 3821.71 |
| | 11-Dec-2008 | | | | 20.29 | 3822.33 |
| | 27-Sep-2008 | | | | 20.42 | 3822.20 |
| | 10-Jun-2008 | | | | 21.26 | 3821.36 |
| | 6-Feb-2008 | | | | 20.34 | 3822.28 |
| | 14-Nov-2007 | | | | 20.32 | 3822.30 |
| | 11-Sep-2007 | | | | 20.74 | 3821.88 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| 126-07 | 27-Aug-2023 | 423613.62 | 1509986.47 | 3850.94 | 39.70 | 3811.24 |
| | 24-May-2023 | | | | 39.63 | 3811.31 |
| | 11-Jan-2023 | | | | 38.20 | 3812.74 |
| | 8-Nov-2022 | | | | 38.80 | 3812.14 |
| | 17-Aug-2022 | | | | 38.92 | 3812.02 |
| | 5-May-2022 | | | | 37.84 | 3813.10 |
| | 24-Feb-2022 | | | | 36.54 | 3814.40 |
| | 9-Nov-2021 | | | | 37.00 | 3813.94 |
| | 11-Aug-2021 | | | | 36.55 | 3814.39 |
| | 4-May-2021 | | | | 35.90 | 3815.04 |
| | 9-Feb-2021 | | | | 35.10 | 3815.84 |
| | 10-Nov-2020 | | | | 35.70 | 3815.24 |
| | 12-Aug-2020 | | | | 36.09 | 3814.85 |
| | 11-May-2020 | | | | 36.16 | 3814.78 |
| | 4-Feb-2020 | | | | 35.55 | 3815.39 |
| | 8-Nov-2019 | | | | 35.66 | 3815.28 |
| | 1-Aug-2019 | | | | 36.76 | 3814.18 |
| | 8-May-2019 | | | | 36.40 | 3814.54 |
| | 19-Feb-2019 | | | | 35.50 | 3815.44 |
| | 12-Nov-2018 | | | | 35.67 | 3815.27 |
| | 6-Aug-2018 | | | | 36.38 | 3814.56 |
| | 17-May-2018 | | | | 35.74 | 3815.20 |
| | 5-Feb-2018 | | | | 34.80 | 3816.14 |
| | 6-Nov-2017 | | | | 35.45 | 3815.49 |
| | 7-Aug-2017 | | | | 36.76 | 3814.18 |
| | 15-May-2017 | | | | 36.85 | 3814.09 |
| | 6-Feb-2017 | | | | 35.95 | 3814.99 |
| | 7-Nov-2016 | | | | 36.79 | 3814.15 |
| | 15-Aug-2016 | | | | 37.54 | 3813.40 |
| | 16-May-2016 | | | | 37.36 | 3813.58 |
| | 9-Feb-2016 | | | | 36.33 | 3814.61 |
| | 5-Nov-2015 | | | | 36.94 | 3814.00 |
| | 5-Aug-2015 | | | | 37.39 | 3813.55 |
| | 6-May-2015 | | | | 36.68 | 3814.26 |
| | 5-Feb-2015 | | | | 35.62 | 3815.32 |
| | 5-Nov-2014 | | | | 36.34 | 3814.60 |
| | 12-Aug-2014 | | | | 36.22 | 3814.72 |
| | 12-May-2014 | | | | 35.52 | 3815.42 |
| | 12-Feb-2014 | | | | 34.38 | 3816.56 |
| | 6-Nov-2013 | | | | 34.89 | 3816.05 |
| | 6-Aug-2013 | | | | 32.46 | 3818.48 |
| | 7-May-2013 | | | | 32.33 | 3818.61 |
| | 7-Feb-2013 | | | | 32.58 | 3818.36 |
| | 24-Oct-2012 | | | | 32.97 | 3817.97 |
| | 30-Jul-2012 | | | | 32.60 | 3818.34 |
| | 23-Apr-2012 | | | | 31.84 | 3819.10 |
| | 26-Jan-2012 | | | | 31.23 | 3819.71 |
| | 8-Dec-2011 | | | | 31.28 | 3819.66 |
| | 19-Jul-2011 | | | | 30.30 | 3820.64 |
| | 20-Apr-2011 | | | | 28.59 | 3822.35 |
| | 27-Jan-2011 | | | | 28.43 | 3822.51 |
| | 14-Sep-2010 | | | | 28.45 | 3822.49 |
| | 24-Jun-2010 | | | | 28.74 | 3822.20 |
| | 22-Mar-2010 | | | | 28.57 | 3822.37 |
| | 8-Dec-2009 | | | | 28.37 | 3822.57 |
| | 28-Aug-2009 | | | | 28.61 | 3822.33 |
| | 26-May-2009 | | | | 28.47 | 3822.47 |
| | 11-Dec-2008 | | | | 27.70 | 3823.24 |
| | 27-Sep-2008 | | | | 27.97 | 3822.97 |
| | 10-Jun-2008 | | | | 28.78 | 3822.16 |
| | 6-Feb-2008 | | | | 27.71 | 3823.23 |
| | 14-Nov-2007 | | | | 27.63 | 3823.31 |
| | 11-Sep-2007 | | | | 28.06 | 3822.88 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| 126-09 | 27-Aug-2023 | 425154.15 | 1510994.31 | 3893.35 | 82.40 | 3810.95 |
| | 24-May-2023 | | | | 82.25 | 3811.10 |
| | 11-Jan-2023 | | | | 80.70 | 3812.65 |
| | 8-Nov-2022 | | | | 81.50 | 3811.85 |
| | 17-Aug-2022 | | | | 82.20 | 3811.15 |
| | 5-May-2022 | | | | 80.91 | 3812.44 |
| | 24-Feb-2022 | | | | 79.55 | 3813.80 |
| | 9-Nov-2021 | | | | 80.40 | 3812.95 |
| | 11-Aug-2021 | | | | 80.60 | 3812.75 |
| | 4-May-2021 | | | | 79.50 | 3813.85 |
| | 9-Feb-2021 | | | | 78.50 | 3814.85 |
| | 10-Nov-2020 | | | | 79.50 | 3813.85 |
| | 12-Aug-2020 | | | | 80.00 | 3813.35 |
| | 11-May-2020 | | | | 80.31 | 3813.04 |
| | 4-Feb-2020 | | | | 79.67 | 3813.68 |
| | 8-Nov-2019 | | | | 79.08 | 3814.27 |
| | 1-Aug-2019 | | | | 80.45 | 3812.90 |
| | 8-May-2019 | | | | 79.95 | 3813.40 |
| | 19-Feb-2019 | | | | 78.70 | 3814.65 |
| | 12-Nov-2018 | | | | 79.00 | 3814.35 |
| | 6-Aug-2018 | | | | 80.10 | 3813.25 |
| | 17-May-2018 | | | | 79.28 | 3814.07 |
| | 5-Feb-2018 | | | | 77.87 | 3815.48 |
| | 6-Nov-2017 | | | | 78.83 | 3814.52 |
| | 7-Aug-2017 | | | | 79.61 | 3813.74 |
| | 15-May-2017 | | | | 79.78 | 3813.57 |
| | 6-Feb-2017 | | | | 77.00 | 3816.35 |
| | 7-Nov-2016 | | | | 79.62 | 3813.73 |
| | 15-Aug-2016 | | | | 80.33 | 3813.02 |
| | 16-May-2016 | | | | 80.00 | 3813.35 |
| | 9-Feb-2016 | | | | 78.58 | 3814.77 |
| | 5-Nov-2015 | | | | 79.27 | 3814.08 |
| | 5-Aug-2015 | | | | 79.72 | 3813.63 |
| | 6-May-2015 | | | | 79.01 | 3814.34 |
| | 5-Feb-2015 | | | | 77.53 | 3815.82 |
| | 5-Nov-2014 | | | | 78.21 | 3815.14 |
| | 12-Aug-2014 | | | | 78.15 | 3815.20 |
| | 12-May-2014 | | | | 77.70 | 3815.65 |
| | 12-Feb-2014 | | | | 76.14 | 3817.21 |
| | 6-Nov-2013 | | | | 76.91 | 3816.44 |
| | 6-Aug-2013 | | | | 76.09 | 3817.26 |
| | 7-May-2013 | | | | 75.40 | 3817.95 |
| | 7-Feb-2013 | | | | 74.61 | 3818.74 |
| | 24-Oct-2012 | | | | 75.29 | 3818.06 |
| | 30-Jul-2012 | | | | 74.98 | 3818.37 |
| | 23-Apr-2012 | | | | 73.98 | 3819.37 |
| | 26-Jan-2012 | | | | 72.24 | 3821.11 |
| | 8-Dec-2011 | | | | 73.34 | 3820.01 |
| | 19-Jul-2011 | | | | 73.19 | 3820.16 |
| | 20-Apr-2011 | | | | 72.11 | 3821.24 |
| | 21-Jan-2011 | | | | 71.00 | 3822.35 |
| | 14-Sep-2010 | | | | 71.52 | 3821.83 |
| | 29-Jun-2010 | | | | 72.23 | 3821.12 |
| | 22-Mar-2010 | | | | 71.03 | 3822.32 |
| | 8-Dec-2009 | | | | 70.94 | 3822.41 |
| | 28-Aug-2009 | | | | 71.73 | 3821.62 |
| | 26-May-2009 | | | | 71.12 | 3822.23 |
| | 11-Dec-2008 | | | | 70.27 | 3823.08 |
| | 27-Sep-2008 | | | | 70.79 | 3822.56 |
| | 10-Jun-2008 | | | | 71.47 | 3821.88 |
| | 6-Feb-2008 | | | | 70.08 | 3823.27 |
| | 14-Nov-2007 | | | | 70.46 | 3822.89 |
| | 11-Sep-2007 | | | | 71.39 | 3821.96 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| 126-12 | 27-Aug-2023 | 421492.11 | 1510198.45 | 3838.88 | 26.25 | 3812.63 |
| | 24-May-2023 | | | | 26.45 | 3812.43 |
| | 11-Jan-2023 | | | | 25.35 | 3813.53 |
| | 8-Nov-2022 | | | | 25.30 | 3813.58 |
| | 17-Aug-2022 | | | | 24.45 | 3814.43 |
| | 5-May-2022 | | | | 24.26 | 3814.62 |
| | 24-Feb-2022 | | | | 23.55 | 3815.33 |
| | 9-Nov-2021 | | | | 22.86 | 3816.02 |
| | 11-Aug-2021 | | | | 22.60 | 3816.28 |
| | 4-May-2021 | | | | 22.15 | 3816.73 |
| | 9-Feb-2021 | | | | 22.00 | 3816.88 |
| | 10-Nov-2020 | | | | 21.50 | 3817.38 |
| | 12-Aug-2020 | | | | 21.61 | 3817.27 |
| | 11-May-2020 | | | | 22.70 | 3816.18 |
| | 4-Feb-2020 | | | | 22.50 | 3816.38 |
| | 8-Nov-2019 | | | | 21.69 | 3817.19 |
| | 1-Aug-2019 | | | | 22.84 | 3816.04 |
| | 8-May-2019 | | | | 22.70 | 3816.18 |
| | 19-Feb-2019 | | | | 22.50 | 3816.38 |
| | 12-Nov-2018 | | | | 21.94 | 3816.94 |
| | 6-Aug-2018 | | | | 21.56 | 3817.32 |
| | 17-May-2018 | | | | Covered in dirt | |
| | 5-Feb-2018 | | | | 21.85 | 3817.03 |
| | 6-Nov-2017 | | | | 21.90 | 3816.98 |
| | 7-Aug-2017 | | | | 23.26 | 3815.62 |
| | 15-May-2017 | | | | 23.65 | 3815.23 |
| | 6-Feb-2017 | | | | 23.62 | 3815.26 |
| | 7-Nov-2016 | | | | 23.59 | 3815.29 |
| | 15-Aug-2016 | | | | 24.52 | 3814.36 |
| | 16-May-2016 | | | | 24.84 | 3814.04 |
| | 9-Feb-2016 | | | | 24.41 | 3814.47 |
| | 5-Nov-2015 | | | | 24.05 | 3814.83 |
| | 5-Aug-2015 | | | | 25.02 | 3813.86 |
| | 6-May-2015 | | | | 24.78 | 3814.10 |
| | 5-Feb-2015 | | | | 23.86 | 3815.02 |
| | 5-Nov-2014 | | | | 23.65 | 3815.23 |
| | 14-Aug-2014 | | | | 23.37 | 3815.51 |
| | 12-May-2014 | | | | 23.60 | 3815.28 |
| | 12-Feb-2014 | | | | 22.46 | 3816.42 |
| | 6-Nov-2013 | | | | 22.39 | 3816.49 |
| | 6-Aug-2013 | | | | 21.44 | 3817.44 |
| | 7-May-2013 | | | | 21.05 | 3817.83 |
| | 7-Feb-2013 | | | | 20.92 | 3817.96 |
| | 24-Oct-2012 | | | | 20.53 | 3818.35 |
| | 30-Jul-2012 | | | | 20.48 | 3818.40 |
| | 23-Apr-2012 | | | | 20.22 | 3818.66 |
| | 30-Jan-2012 | | | | 19.79 | 3819.09 |
| | 8-Dec-2011 | | | | 19.55 | 3819.33 |
| | 19-Jul-2011 | | | | 18.27 | 3820.61 |
| | 20-Apr-2011 | | | | 17.62 | 3821.26 |
| | 17-Jan-2011 | | | | 17.00 | 3821.88 |
| | 16-Sep-2010 | | | | 16.48 | 3822.40 |
| | 24-Jun-2010 | | | | 17.30 | 3821.58 |
| | 24-Jun-2010 | | | | 17.30 | 3821.58 |
| | 22-Mar-2010 | | | | 17.19 | 3821.69 |
| | 8-Dec-2009 | | | | 16.99 | 3821.89 |
| | 28-Aug-2009 | | | | 16.49 | 3822.39 |
| | 26-May-2009 | | | | 16.85 | 3822.03 |
| | 11-Dec-2008 | | | | 16.37 | 3822.51 |
| | 27-Sep-2008 | | | | 16.29 | 3822.59 |
| | 10-Jun-2008 | | | | 17.19 | 3821.69 |
| | 6-Feb-2008 | | | | 16.62 | 3822.26 |
| | 14-Nov-2007 | | | | 16.33 | 3822.55 |
| | 11-Sep-2007 | | | | 16.56 | 3822.32 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| 126-13 | 27-Aug-2023 | 423431.96 | 1510657.41 | 3857.37 | 46.35 | 3811.02 |
| | 24-May-2023 | | | | 46.50 | 3810.87 |
| | 11-Jan-2023 | | | | 44.75 | 3812.62 |
| | 8-Nov-2022 | | | | 45.40 | 3811.97 |
| | 17-Aug-2022 | | | | 45.65 | 3811.72 |
| | 5-May-2022 | | | | 44.54 | 3812.83 |
| | 24-Feb-2022 | | | | 43.30 | 3814.07 |
| | 9-Nov-2021 | | | | 43.90 | 3813.47 |
| | 11-Aug-2021 | | | | 43.80 | 3813.57 |
| | 4-May-2021 | | | | 43.05 | 3814.32 |
| | 9-Feb-2021 | | | | 42.10 | 3815.27 |
| | 10-Nov-2020 | | | | 42.80 | 3814.57 |
| | 12-Aug-2020 | | | | 43.31 | 3814.06 |
| | 11-May-2020 | | | | 43.03 | 3814.34 |
| | 4-Feb-2020 | | | | 42.42 | 3814.95 |
| | 8-Nov-2019 | | | | 42.75 | 3814.62 |
| | 1-Aug-2019 | | | | 43.91 | 3813.46 |
| | 8-May-2019 | | | | 43.48 | 3813.89 |
| | 19-Feb-2019 | | | | 42.45 | 3814.92 |
| | 12-Nov-2018 | | | | 42.70 | 3814.67 |
| | 6-Aug-2018 | | | | 43.52 | 3813.85 |
| | 17-May-2018 | | | | 42.90 | 3814.47 |
| | 5-Feb-2018 | | | | 41.78 | 3815.59 |
| | 6-Nov-2017 | | | | 42.61 | 3814.76 |
| | 7-Aug-2017 | | | | 43.70 | 3813.67 |
| | 15-May-2017 | | | | 43.74 | 3813.63 |
| | 6-Feb-2017 | | | | 42.64 | 3814.73 |
| | 7-Nov-2016 | | | | 43.60 | 3813.77 |
| | 15-Aug-2016 | | | | 44.35 | 3813.02 |
| | 16-May-2016 | | | | 44.13 | 3813.24 |
| | 9-Feb-2016 | | | | 42.93 | 3814.44 |
| | 5-Nov-2015 | | | | 43.55 | 3813.82 |
| | 5-Aug-2015 | | | | 44.00 | 3813.37 |
| | 6-May-2015 | | | | 43.34 | 3814.03 |
| | 5-Feb-2015 | | | | 42.05 | 3815.32 |
| | 5-Nov-2014 | | | | 42.63 | 3814.74 |
| | 12-Aug-2014 | | | | 42.60 | 3814.77 |
| | 12-May-2014 | | | | 42.04 | 3815.33 |
| | 12-Feb-2014 | | | | 40.78 | 3816.59 |
| | 6-Nov-2013 | | | | 41.35 | 3816.02 |
| | 6-Aug-2013 | | | | 39.96 | 3817.41 |
| | 7-May-2013 | | | | 39.01 | 3818.36 |
| | 7-Feb-2013 | | | | 39.07 | 3818.30 |
| | 24-Oct-2012 | | | | 39.60 | 3817.77 |
| | 30-Jul-2012 | | | | 39.30 | 3818.07 |
| | 23-Apr-2012 | | | | 38.52 | 3818.85 |
| | 26-Jan-2012 | | | | 37.80 | 3819.57 |
| | 8-Dec-2011 | | | | 37.86 | 3819.51 |
| | 19-Jul-2011 | | | | 37.29 | 3820.08 |
| | 20-Apr-2011 | | | | 35.23 | 3822.14 |
| | 13-Jan-2011 | | | | 35.23 | 3822.14 |
| | 14-Sep-2010 | | | | 35.66 | 3821.71 |
| | 24-Jun-2010 | | | | 36.01 | 3821.36 |
| | 22-Mar-2010 | | | | 35.40 | 3821.97 |
| | 8-Dec-2009 | | | | 35.24 | 3822.13 |
| | 28-Aug-2009 | | | | 35.60 | 3821.77 |
| | 26-May-2009 | | | | 35.37 | 3822.00 |
| | 11-Dec-2008 | | | | 34.62 | 3822.75 |
| | 27-Sep-2008 | | | | 34.99 | 3822.38 |
| | 10-Jun-2008 | | | | 35.69 | 3821.68 |
| | 6-Feb-2008 | | | | NA | NA |
| | 14-Nov-2007 | | | | 16.33 | 3841.04 |
| | 11-Sep-2007 | | | | NA | NA |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| **Mountain View Dairy** | | | | | | |
| 70-01 | 2-Aug-2023 | 423303.43 | 1510585.63 | 3851.84 | 40.90 | 3810.94 |
| | 1-May-2023 | | | | 40.06 | 3811.78 |
| | 2-Feb-2023 | | | | 39.15 | 3812.69 |
| | 1-Nov-2022 | | | | 39.80 | 3812.04 |
| | 1-Aug-2022 | | | | 39.42 | 3812.42 |
| | 2-May-2022 | | | | 38.55 | 3813.29 |
| | 7-Feb-2022 | | | | 37.80 | 3814.04 |
| | 1-Nov-2021 | | | | 38.21 | 3813.63 |
| | 4-Aug-2021 | | | | 37.95 | 3813.89 |
| | 3-May-2021 | | | | 37.50 | 3814.34 |
| | 10-Feb-2021 | | | | 36.89 | 3814.95 |
| | 2-Nov-2020 | | | | 37.35 | 3814.49 |
| | 10-Aug-2020 | | | | 37.85 | 3813.99 |
| | 11-May-2020 | | | | 37.29 | 3814.55 |
| | 4-Feb-2020 | | | | 36.92 | 3814.92 |
| | 8-Nov-2019 | | | | 37.41 | 3814.43 |
| | 1-Aug-2019 | | | | 38.34 | 3813.50 |
| | 8-May-2019 | | | | 37.90 | 3813.94 |
| | 19-Feb-2019 | | | | 36.90 | 3814.94 |
| | 12-Nov-2018 | | | | 37.15 | 3814.69 |
| | 6-Aug-2018 | | | | 37.95 | 3813.89 |
| | 17-May-2018 | | | | 37.34 | 3814.50 |
| | 5-Feb-2018 | | | | 36.25 | 3815.59 |
| | 6-Nov-2017 | | | | 37.05 | 3814.79 |
| | 8-Aug-2017 | | | | 38.17 | 3813.67 |
| | 15-May-2017 | | | | 38.22 | 3813.62 |
| | 6-Feb-2017 | | | | 37.16 | 3814.68 |
| | 22-Nov-2016 | | | | 37.93 | 3813.91 |
| | 15-Aug-2016 | | | | 38.85 | 3812.99 |
| | 16-May-2016 | | | | 38.62 | 3813.22 |
| | 9-Feb-2016 | | | | 37.43 | 3814.41 |
| | 6-Nov-2015 | | | | 38.07 | 3813.77 |
| | 5-Aug-2015 | | | | 38.59 | 3813.25 |
| | 6-May-2015 | | | | 37.85 | 3813.99 |
| | 5-Feb-2015 | | | | 36.61 | 3815.23 |
| | 5-Nov-2014 | | | | 37.17 | 3814.67 |
| | 12-Aug-2014 | | | | 37.18 | 3814.66 |
| | 12-May-2014 | | | | 36.56 | 3815.28 |
| | 12-Feb-2014 | | | | 35.33 | 3816.51 |
| | 6-Nov-2013 | | | | 35.67 | 3816.17 |
| | 6-Aug-2013 | | | | 34.19 | 3817.65 |
| | 7-May-2013 | | | | 34.06 | 3817.78 |
| | 7-Feb-2013 | | | | 33.58 | 3818.26 |
| | 24-Oct-2012 | | | | 34.08 | 3817.76 |
| | 30-Jul-2012 | | | | 33.80 | 3818.04 |
| | 23-Apr-2012 | | | | 33.09 | 3818.75 |
| | 26-Jan-2012 | | | | 32.29 | 3819.55 |
| | 8-Dec-2011 | | | | 32.40 | 3819.44 |
| | 9-Jul-2011 | | | | 31.77 | 3820.07 |
| | 20-Apr-2011 | | | | 30.69 | 3821.15 |
| | 17-Jan-2011 | | | | 29.72 | 3822.12 |
| | 14-Sep-2010 | | | | 30.19 | 3821.65 |
| | 24-Jun-2010 | | | | 29.30 | 3822.54 |
| | 22-Mar-2010 | | | | Unable to open well | |
| | 8-Dec-2009 | | | | 29.75 | 3822.09 |
| | 28-Aug-2009 | | | | 30.08 | 3821.76 |
| | 26-May-2009 | | | | 29.88 | 3821.96 |
| | 11-Dec-2008 | | | | 29.13 | 3822.71 |
| | 27-Sep-2008 | | | | 29.79 | 3822.05 |
| | 10-Jun-2008 | | | | 30.20 | 3821.64 |
| | 5-Feb-2008 | | | | 29.10 | 3822.74 |
| | 13-Nov-2007 | | | | 29.25 | 3822.59 |
| | 12-Sep-2007 | | | | 29.77 | 3822.07 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| 70-02 | 2-Aug-2023 | 423412.73 | 1511192.51 | 3861.25 | 48.51 | 3812.74 |
| | 1-May-2023 | | | | 47.65 | 3813.60 |
| | 2-Feb-2023 | | | | 48.62 | 3812.63 |
| | 1-Nov-2022 | | | | 49.35 | 3811.90 |
| | 1-Aug-2022 | | | | 49.11 | 3812.14 |
| | 2-May-2022 | | | | 48.65 | 3812.60 |
| | 7-Feb-2022 | | | | 47.83 | 3813.42 |
| | 1-Nov-2021 | | | | 48.08 | 3813.17 |
| | 4-Aug-2021 | | | | 47.76 | 3813.49 |
| | 3-May-2021 | | | | 47.11 | 3814.14 |
| | 10-Feb-2021 | | | | 46.79 | 3814.46 |
| | 2-Nov-2020 | | | | 47.20 | 3814.05 |
| | 10-Aug-2020 | | | | 47.67 | 3813.58 |
| | 11-May-2020 | | | | 47.26 | 3813.99 |
| | 4-Feb-2020 | | | | 46.60 | 3814.65 |
| | 8-Nov-2019 | | | | 47.13 | 3814.12 |
| | 1-Aug-2019 | | | | 48.17 | 3813.08 |
| | 8-May-2019 | | | | 47.70 | 3813.55 |
| | 19-Feb-2019 | | | | 46.64 | 3814.61 |
| | 12-Nov-2018 | | | | 46.90 | 3814.35 |
| | 6-Aug-2018 | | | | 47.78 | 3813.47 |
| | 17-May-2018 | | | | 47.19 | 3814.06 |
| | 5-Feb-2018 | | | | 45.97 | 3815.28 |
| | 6-Nov-2017 | | | | 46.85 | 3814.40 |
| | 8-Aug-2017 | | | | 47.85 | 3813.40 |
| | 15-May-2017 | | | | 47.93 | 3813.32 |
| | 6-Feb-2017 | | | | 46.70 | 3814.55 |
| | 7-Nov-2016 | | | | 47.74 | 3813.51 |
| | 15-Aug-2016 | | | | 48.46 | 3812.79 |
| | 16-May-2016 | | | | 48.26 | 3812.99 |
| | 9-Feb-2016 | | | | 46.96 | 3814.29 |
| | 6-Nov-2015 | | | | 47.58 | 3813.67 |
| | 5-Aug-2015 | | | | 48.06 | 3813.19 |
| | 6-May-2015 | | | | 47.40 | 3813.85 |
| | 5-Feb-2015 | | | | 46.00 | 3815.25 |
| | 5-Nov-2014 | | | | 46.67 | 3814.58 |
| | 13-Aug-2014 | | | | 46.73 | 3814.52 |
| | 12-May-2014 | | | | 46.08 | 3815.17 |
| | 12-Feb-2014 | | | | 44.75 | 3816.50 |
| | 6-Nov-2013 | | | | 45.31 | 3815.94 |
| | 6-Aug-2013 | | | | 43.87 | 3817.38 |
| | 7-May-2013 | | | | 43.16 | 3818.09 |
| | 7-Feb-2013 | | | | 43.13 | 3818.12 |
| | 24-Oct-2012 | | | | 43.66 | 3817.59 |
| | 30-Jul-2012 | | | | 43.33 | 3817.92 |
| | 23-Apr-2012 | | | | 42.60 | 3818.65 |
| | 26-Jan-2012 | | | | 41.81 | 3819.44 |
| | 8-Dec-2011 | | | | 41.89 | 3819.36 |
| | 19-Jul-2011 | | | | 41.52 | 3819.73 |
| | 20-Apr-2011 | | | | 40.46 | 3820.79 |
| | 17-Jan-2011 | | | | 38.90 | 3822.35 |
| | 14-Sep-2010 | | | | 39.96 | 3821.29 |
| | 24-Jun-2010 | | | | 39.01 | 3822.24 |
| | 22-Mar-2010 | | | | 39.54 | 3821.71 |
| | 8-Dec-2009 | | | | 39.42 | 3821.83 |
| | 28-Aug-2009 | | | | 39.81 | 3821.44 |
| | 26-May-2009 | | | | 39.56 | 3821.69 |
| | 11-Dec-2008 | | | | 38.84 | 3822.41 |
| | 27-Sep-2008 | | | | 39.20 | 3822.05 |
| | 10-Jun-2008 | | | | 39.90 | 3821.35 |
| | 6-Feb-2008 | | | | 39.77 | 3821.48 |
| | 14-Nov-2007 | | | | 39.01 | 3822.24 |
| | 11-Sep-2007 | | | | 39.60 | 3821.65 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| 70-04 | 2-Aug-2023 | 422798.94 | 1510922.20 | 3849.81 | 38.74 | 3811.07 |
| | 1-May-2023 | | | | 38.02 | 3811.79 |
| | 2-Feb-2023 | | | | 37.10 | 3812.71 |
| | 1-Nov-2022 | | | | 37.50 | 3812.31 |
| | 1-Aug-2022 | | | | 37.61 | 3812.20 |
| | 2-May-2022 | | | | 36.78 | 3813.03 |
| | 7-Feb-2022 | | | | 35.90 | 3813.91 |
| | 1-Nov-2021 | | | | 36.11 | 3813.70 |
| | 4-Aug-2021 | | | | 35.89 | 3813.92 |
| | 3-May-2021 | | | | 35.41 | 3814.40 |
| | 10-Feb-2021 | | | | 34.66 | 3815.15 |
| | 2-Nov-2020 | | | | 35.15 | 3814.66 |
| | 10-Aug-2020 | | | | 35.75 | 3814.06 |
| | 11-May-2020 | | | | 35.71 | 3814.10 |
| | 4-Feb-2020 | | | | 34.95 | 3814.86 |
| | 8-Nov-2019 | | | | 35.03 | 3814.78 |
| | 1-Aug-2019 | | | | 36.35 | 3813.46 |
| | 8-May-2019 | | | | 35.47 | 3814.34 |
| | 19-Feb-2019 | | | | 35.00 | 3814.81 |
| | 12-Nov-2018 | | | | 35.09 | 3814.72 |
| | 6-Aug-2018 | | | | 35.90 | 3813.91 |
| | 17-May-2018 | | | | 35.55 | 3814.26 |
| | 5-Feb-2018 | | | | 34.36 | 3815.45 |
| | 6-Nov-2017 | | | | 35.11 | 3814.70 |
| | 8-Aug-2017 | | | | 36.22 | 3813.59 |
| | 15-May-2017 | | | | 36.36 | 3813.45 |
| | 6-Feb-2017 | | | | 35.31 | 3814.50 |
| | 7-Nov-2016 | | | | 36.15 | 3813.66 |
| | 15-Aug-2016 | | | | 36.92 | 3812.89 |
| | 16-May-2016 | | | | 36.90 | 3812.91 |
| | 9-Feb-2016 | | | | 35.63 | 3814.18 |
| | 6-Nov-2015 | | | | 36.17 | 3813.64 |
| | 5-Aug-2015 | | | | 36.74 | 3813.07 |
| | 6-May-2015 | | | | 36.13 | 3813.68 |
| | 5-Feb-2015 | | | | 34.78 | 3815.03 |
| | 5-Nov-2014 | | | | 35.20 | 3814.61 |
| | 13-Aug-2014 | | | | 35.31 | 3814.50 |
| | 12-May-2014 | | | | 34.81 | 3815.00 |
| | 12-Feb-2014 | | | | 33.52 | 3816.29 |
| | 7-Nov-2013 | | | | 34.05 | 3815.76 |
| | 6-Aug-2013 | | | | 32.03 | 3817.78 |
| | 7-May-2013 | | | | 31.80 | 3818.01 |
| | 7-Feb-2013 | | | | 31.85 | 3817.96 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| **Buena Vista Diary I** | | | | | | |
| 86-01 | 2-Aug-2023 | 421534.62 | 1511667.76 | 3864.96 | 53.31 | 3811.65 |
| | 1-May-2023 | | | | 52.55 | 3812.41 |
| | 2-Feb-2023 | | | | 52.22 | 3812.74 |
| | 1-Nov-2022 | | | | 52.40 | 3812.56 |
| | 1-Aug-2022 | | | | 52.30 | 3812.66 |
| | 2-May-2022 | | | | 51.78 | 3813.18 |
| | 7-Feb-2022 | | | | 50.92 | 3814.04 |
| | 1-Nov-2021 | | | | 50.89 | 3814.07 |
| | 4-Aug-2021 | | | | 50.66 | 3814.30 |
| | 3-May-2021 | | | | 50.40 | 3814.56 |
| | 10-Feb-2021 | | | | 50.02 | 3814.94 |
| | 2-Nov-2020 | | | | 50.29 | 3814.67 |
| | 10-Aug-2020 | | | | 51.10 | 3813.86 |
| | 11-May-2020 | | | | 51.43 | 3813.53 |
| | 4-Feb-2020 | | | | 50.07 | 3814.89 |
| | 8-Nov-2019 | | | | 50.00 | 3814.96 |
| | 1-Aug-2019 | | | | 51.19 | 3813.77 |
| | 8-May-2019 | | | | 50.91 | 3814.05 |
| | 19-Feb-2019 | | | | 50.15 | 3814.81 |
| | 12-Nov-2018 | | | | 50.04 | 3814.92 |
| | 6-Aug-2018 | | | | 50.62 | 3814.34 |
| | 17-May-2018 | | | | 50.71 | 3814.25 |
| | 5-Feb-2018 | | | | 49.60 | 3815.36 |
| | 6-Nov-2017 | | | | 50.25 | 3814.71 |
| | 7-Aug-2017 | | | | 51.12 | 3813.84 |
| | 15-May-2017 | | | | 51.43 | 3813.53 |
| | 6-Feb-2017 | | | | 50.60 | 3814.36 |
| | 7-Nov-2016 | | | | 51.26 | 3813.70 |
| | 15-Aug-2016 | | | | 51.89 | 3813.07 |
| | 16-May-2016 | | | | 52.08 | 3812.88 |
| | 9-Feb-2016 | | | | 51.00 | 3813.96 |
| | 5-Nov-2015 | | | | 51.43 | 3813.53 |
| | 5-Aug-2015 | | | | 51.83 | 3813.13 |
| | 6-May-2015 | | | | 51.44 | 3813.52 |
| | 5-Feb-2015 | | | | 50.13 | 3814.83 |
| | 5-Nov-2014 | | | | 50.40 | 3814.56 |
| | 13-Aug-2014 | | | | 50.29 | 3814.67 |
| | 12-May-2014 | | | | 50.20 | 3814.76 |
| | 17-Feb-2014 | | | | 48.87 | 3816.09 |
| | 6-Nov-2013 | | | | 42.33 | 3822.63 |
| | 6-Aug-2013 | | | | 47.43 | 3817.53 |
| | 7-May-2013 | | | | 47.21 | 3817.75 |
| | 7-Feb-2013 | | | | 47.35 | 3817.61 |
| | 24-Oct-2012 | | | | 47.61 | 3817.35 |
| | 30-Jul-2012 | | | | 47.26 | 3817.70 |
| | 23-Apr-2012 | | | | 46.86 | 3818.10 |
| | 30-Jan-2012 | | | | 46.34 | 3818.62 |
| | 8-Dec-2011 | | | | 46.22 | 3818.74 |
| | 19-Jul-2011 | | | | 45.66 | 3819.30 |
| | 20-Apr-2011 | | | | 44.28 | 3820.68 |
| | 17-Jan-2011 | | | | 44.30 | 3820.66 |
| | 16-Sep-2010 | | | | 44.09 | 3820.87 |
| | 24-Jun-2010 | | | | 44.39 | 3820.57 |
| | 22-Mar-2010 | | | | 44.19 | 3820.77 |
| | 8-Dec-2009 | | | | 43.89 | 3821.07 |
| | 28-Aug-2009 | | | | 43.96 | 3821.00 |
| | 26-May-2009 | | | | 44.03 | 3820.93 |
| | 11-Dec-2008 | | | | 43.53 | 3821.43 |
| | 28-Sep-2008 | | | | 43.60 | 3821.36 |
| | 10-Jun-2008 | | | | 44.44 | 3820.52 |
| | 5-Feb-2008 | | | | 43.69 | 3821.27 |
| | 13-Nov-2007 | | | | 43.78 | 3821.18 |
| | 12-Sep-2007 | | | | 44.21 | 3820.75 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| 86-02 | 2-Aug-2023 | 421792.08 | 1510881.53 | 3848.08 | 35.15 | 3812.93 |
| | 1-May-2023 | | | | 34.63 | 3813.45 |
| | 2-Feb-2023 | | | | 34.80 | 3813.28 |
| | 1-Nov-2022 | | | | 34.45 | 3813.63 |
| | 1-Aug-2022 | | | | 34.38 | 3813.70 |
| | 2-May-2022 | | | | 34.00 | 3814.08 |
| | 7-Feb-2022 | | | | 33.08 | 3815.00 |
| | 1-Nov-2021 | | | | 32.84 | 3815.24 |
| | 4-Aug-2021 | | | | 32.59 | 3815.49 |
| | 3-May-2021 | | | | 32.31 | 3815.77 |
| | 10-Feb-2021 | | | | 32.09 | 3815.99 |
| | 2-Nov-2020 | | | | 32.11 | 3815.97 |
| | 10-Aug-2020 | | | | 32.21 | 3815.87 |
| | 11-May-2020 | | | | 32.90 | 3815.18 |
| | 4-Feb-2020 | | | | 32.20 | 3815.88 |
| | 8-Nov-2019 | | | | 32.89 | 3815.19 |
| | 1-Aug-2019 | | | | 33.00 | 3815.08 |
| | 8-May-2019 | | | | 32.81 | 3815.27 |
| | 19-Feb-2019 | | | | 32.27 | 3815.81 |
| | 12-Nov-2018 | | | | 31.95 | 3816.13 |
| | 6-Aug-2018 | | | | 32.15 | 3815.93 |
| | 17-May-2018 | | | | 32.49 | 3815.59 |
| | 5-Feb-2018 | | | | 31.66 | 3816.42 |
| | 6-Nov-2017 | | | | 32.05 | 3816.03 |
| | 7-Aug-2017 | | | | 33.08 | 3815.00 |
| | 15-May-2017 | | | | 33.50 | 3814.58 |
| | 6-Feb-2017 | | | | 33.09 | 3814.99 |
| | 7-Nov-2016 | | | | 33.40 | 3814.68 |
| | 15-Aug-2016 | | | | 34.15 | 3813.93 |
| | 16-May-2016 | | | | 34.45 | 3813.63 |
| | 9-Feb-2016 | | | | 33.64 | 3814.44 |
| | 5-Nov-2015 | | | | 33.87 | 3814.21 |
| | 5-Aug-2015 | | | | 34.35 | 3813.73 |
| | 6-May-2015 | | | | 33.97 | 3814.11 |
| | 5-Feb-2015 | | | | 32.88 | 3815.20 |
| | 5-Nov-2014 | | | | 33.01 | 3815.07 |
| | 12-Aug-2014 | | | | 32.62 | 3815.46 |
| | 12-May-2014 | | | | 32.70 | 3815.38 |
| | 12-Feb-2014 | | | | 31.62 | 3816.46 |
| | 6-Nov-2013 | | | | 31.68 | 3816.40 |
| | 6-Aug-2013 | | | | 30.37 | 3817.71 |
| | 7-May-2013 | | | | 30.13 | 3817.95 |
| | 7-Feb-2013 | | | | 30.07 | 3818.01 |
| | 24-Oct-2012 | | | | 29.71 | 3818.37 |
| | 30-Jul-2012 | | | | 29.71 | 3818.37 |
| | 23-Apr-2012 | | | | 29.43 | 3818.65 |
| | 30-Jan-2012 | | | | 28.94 | 3819.14 |
| | 8-Dec-2011 | | | | 28.77 | 3819.31 |
| | 19-Jul-2011 | | | | 27.74 | 3820.34 |
| | 20-Apr-2011 | | | | 27.18 | 3820.90 |
| | 17-Jan-2011 | | | | 26.34 | 3821.74 |
| | 16-Sep-2010 | | | | 26.18 | 3821.90 |
| | 24-Jun-2010 | | | | 26.79 | 3821.29 |
| | 22-Mar-2010 | | | | 26.54 | 3821.54 |
| | 8-Dec-2009 | | | | 26.33 | 3821.75 |
| | 28-Aug-2009 | | | | 26.11 | 3821.97 |
| | 26-May-2009 | | | | 26.29 | 3821.79 |
| | 11-Dec-2008 | | | | 25.77 | 3822.31 |
| | 28-Sep-2008 | | | | 25.78 | 3822.3 |
| | 10-Jun-2008 | | | | 26.65 | 3821.43 |
| | 5-Feb-2008 | | | | 26.95 | 3821.13 |
| | 13-Nov-2007 | | | | 25.88 | 3822.2 |
| | 12-Sep-2007 | | | | 26.19 | 3821.89 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| **Bright Star Dairy** | | | | | | |
| 340-01 | 2-Aug-2023 | 421410.13 | 1511423.42 | 3858.48 | 46.68 | 3811.80 |
| | 1-May-2023 | | | | 46.30 | 3812.18 |
| | 2-Feb-2023 | | | | 45.50 | 3812.98 |
| | 1-Nov-2022 | | | | 45.46 | 3813.02 |
| | 1-Aug-2022 | | | | 45.16 | 3813.32 |
| | 2-May-2022 | | | | 44.84 | 3813.64 |
| | 7-Feb-2022 | | | | 44.02 | 3814.46 |
| | 1-Nov-2021 | | | | 43.80 | 3814.68 |
| | 4-Aug-2021 | | | | 43.56 | 3814.92 |
| | 3-May-2021 | | | | 43.26 | 3815.22 |
| | 10-Feb-2021 | | | | 42.78 | 3815.70 |
| | 2-Nov-2020 | | | | 43.01 | 3815.47 |
| | 10-Aug-2020 | | | | 43.31 | 3815.17 |
| | 11-May-2020 | | | | 43.89 | 3814.59 |
| | 4-Feb-2020 | | | | 43.12 | 3815.36 |
| | 8-Nov-2019 | | | | 43.03 | 3815.45 |
| | 1-Aug-2019 | | | | 44.00 | 3814.48 |
| | 8-May-2019 | | | | 43.77 | 3814.71 |
| | 19-Feb-2019 | | | | 43.18 | 3815.30 |
| | 12-Nov-2018 | | | | 42.93 | 3815.55 |
| | 6-Aug-2018 | | | | 43.18 | 3815.30 |
| | 17-May-2018 | | | | 43.66 | 3814.82 |
| | 5-Feb-2018 | | | | 42.66 | 3815.82 |
| | 6-Nov-2017 | | | | 43.15 | 3815.33 |
| | 8-Aug-2017 | | | | 44.00 | 3814.48 |
| | 15-May-2017 | | | | 44.49 | 3813.99 |
| | 6-Feb-2017 | | | | 43.92 | 3814.56 |
| | 7-Nov-2016 | | | | 44.31 | 3814.17 |
| | 15-Aug-2016 | | | | 44.97 | 3813.51 |
| | 16-May-2016 | | | | 45.23 | 3813.25 |
| | 9-Feb-2016 | | | | 44.37 | 3814.11 |
| | 6-Nov-2015 | | | | 44.60 | 3813.88 |
| | 5-Aug-2015 | | | | 45.01 | 3813.47 |
| | 6-May-2015 | | | | 44.62 | 3813.86 |
| | 5-Feb-2015 | | | | 43.56 | 3814.92 |
| | 5-Nov-2014 | | | | 43.66 | 3814.82 |
| | 12-Aug-2014 | | | | 43.32 | 3815.16 |
| | 12-May-2014 | | | | 43.49 | 3814.99 |
| | 12-Feb-2014 | | | | 42.30 | 3816.18 |
| | 6-Nov-2013 | | | | 42.33 | 3816.15 |
| | 6-Aug-2013 | | | | 41.21 | 3817.27 |
| | 7-May-2013 | | | | 40.80 | 3817.68 |
| | 7-Feb-2013 | | | | 40.75 | 3817.73 |
| | 24-Oct-2012 | | | | 40.82 | 3817.66 |
| | 30-Jul-2012 | | | | 40.44 | 3818.04 |
| | 23-Apr-2012 | | | | 40.16 | 3818.32 |
| | 25-Jan-2012 | | | | 39.70 | 3818.78 |
| | 8-Dec-2011 | | | | 39.54 | 3818.94 |
| | 19-Jul-2011 | | | | 38.74 | 3819.74 |
| | 20-Apr-2011 | | | | 38.14 | 3820.34 |
| | 17-Jan-2011 | | | | 37.33 | 3821.15 |
| | 14-Sep-2010 | | | | 37.20 | 3821.28 |
| | 24-Jun-2010 | | | | 38.05 | 3820.43 |
| | 22-Mar-2010 | | | | 37.48 | 3821.00 |
| | 8-Dec-2009 | | | | 37.26 | 3821.22 |
| | 28-Aug-2009 | | | | 37.10 | 3821.38 |
| | 26-May-2009 | | | | 37.26 | 3821.22 |
| | 11-Dec-2008 | | | | 36.79 | 3821.69 |
| | 27-Sep-2008 | | | | 36.77 | 3821.71 |
| | 10-Jun-2008 | | | | 37.63 | 3820.85 |
| | 6-Feb-2008 | | | | 37.03 | 3821.45 |
| | 14-Nov-2007 | | | | 37.00 | 3821.48 |
| | 11-Sep-2007 | | | | 37.36 | 3821.12 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| 340-02 | 2-Aug-2023 | 420641.08 | 1512051.57 | 3869.76 | Dry | |
| | 1-May-2023 | | | | Dry | |
| | 2-Feb-2023 | | | | 56.71 | 3813.05 |
| | 1-Nov-2022 | | | | 56.69 | 3813.07 |
| | 1-Aug-2022 | | | | 56.19 | 3813.57 |
| | 2-May-2022 | | | | 56.11 | 3813.65 |
| | 7-Feb-2022 | | | | 55.56 | 3814.20 |
| | 1-Nov-2021 | | | | 55.08 | 3814.68 |
| | 4-Aug-2021 | | | | 54.85 | 3814.91 |
| | 3-May-2021 | | | | 54.77 | 3814.99 |
| | 10-Feb-2021 | | | | 54.21 | 3815.55 |
| | 2-Nov-2020 | | | | 54.36 | 3815.40 |
| | 10-Aug-2020 | | | | 54.75 | 3815.01 |
| | 11-May-2020 | | | | 55.31 | 3814.45 |
| | 4-Feb-2020 | | | | 54.70 | 3815.06 |
| | 8-Nov-2019 | | | | 54.40 | 3815.36 |
| | 1-Aug-2019 | | | | 55.39 | 3814.37 |
| | 8-May-2019 | | | | 55.20 | 3814.56 |
| | 19-Feb-2019 | | | | 54.67 | 3815.09 |
| | 12-Nov-2018 | | | | 54.45 | 3815.31 |
| | 6-Aug-2018 | | | | 54.46 | 3815.30 |
| | 17-May-2018 | | | | 55.35 | 3814.41 |
| | 5-Feb-2018 | | | | 54.27 | 3815.49 |
| | 6-Nov-2017 | | | | 54.74 | 3815.02 |
| | 8-Aug-2017 | | | | 55.60 | 3814.16 |
| | 15-May-2017 | | | | 56.00 | 3813.76 |
| | 6-Feb-2017 | | | | 55.43 | 3814.33 |
| | 7-Nov-2016 | | | | 55.78 | 3813.98 |
| | 15-Aug-2016 | | | | 56.52 | 3813.24 |
| | 16-May-2016 | | | | 56.40 | 3813.36 |
| | 9-Feb-2016 | | | | 55.84 | 3813.92 |
| | 6-Nov-2015 | | | | 56.01 | 3813.75 |
| | 5-Aug-2015 | | | | 56.46 | 3813.30 |
| | 6-May-2015 | | | | 56.10 | 3813.66 |
| | 5-Feb-2015 | | | | 55.00 | 3814.76 |
| | 5-Nov-2014 | | | | 55.05 | 3814.71 |
| | 12-Aug-2014 | | | | 54.65 | 3815.11 |
| | 12-May-2014 | | | | 54.80 | 3814.96 |
| | 12-Feb-2014 | | | | 53.80 | 3815.96 |
| | 6-Nov-2013 | | | | 53.59 | 3816.17 |
| | 6-Aug-2013 | | | | 52.92 | 3816.84 |
| | 7-May-2013 | | | | 52.34 | 3817.42 |
| | 7-Feb-2013 | | | | 52.29 | 3817.47 |
| | 24-Oct-2012 | | | | 52.26 | 3817.50 |
| | 30-Jul-2012 | | | | 51.67 | 3818.09 |
| | 23-Apr-2012 | | | | 51.61 | 3818.15 |
| | 25-Jan-2012 | | | | 51.31 | 3818.45 |
| | 8-Dec-2011 | | | | 51.07 | 3818.69 |
| | 19-Jul-2011 | | | | 50.24 | 3819.52 |
| | 20-Apr-2011 | | | | 48.86 | 3820.90 |
| | 17-Jan-2011 | | | | 49.00 | 3820.76 |
| | 14-Sep-2010 | | | | 48.80 | 3820.96 |
| | 24-Jun-2010 | | | | 49.67 | 3820.09 |
| | 22-Mar-2010 | | | | 49.17 | 3820.59 |
| | 8-Dec-2009 | | | | 49.03 | 3820.73 |
| | 28-Aug-2009 | | | | 48.79 | 3820.97 |
| | 26-May-2009 | | | | 48.94 | 3820.82 |
| | 11-Dec-2008 | | | | 48.62 | 3821.14 |
| | 28-Sep-2008 | | | | 48.48 | 3821.28 |
| | 10-Jun-2008 | | | | 49.30 | 3820.46 |
| | 5-Feb-2008 | | | | 48.90 | 3820.86 |
| | 14-Nov-2007 | | | | 48.84 | 3820.92 |
| | 12-Sep-2007 | | | | 49.28 | 3820.48 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| **Former D&J Dairy (Dominguez 2)** | | | | | | |
| 42-02 | 3-Aug-2023 | 419982.45 | 1511126.19 | 3844.69 | 30.76 | 3813.93 |
| | 2-May-2023 | | | | 31.00 | 3813.69 |
| | 3-Feb-2023 | | | | 30.01 | 3814.68 |
| | 2-Nov-2022 | | | | 29.10 | 3815.59 |
| | 2-Aug-2022 | | | | 28.18 | 3816.51 |
| | 2-May-2022 | | | | 28.99 | 3815.70 |
| | 7-Feb-2022 | | | | 28.09 | 3816.60 |
| | 1-Nov-2021 | | | | 27.15 | 3817.54 |
| | 4-Aug-2021 | | | | 26.90 | 3817.79 |
| | 3-May-2021 | | | | 27.09 | 3817.60 |
| | 10-Feb-2021 | | | | 26.82 | 3817.87 |
| | 2-Nov-2020 | | | | 26.03 | 3818.66 |
| | 10-Aug-2020 | | | | 27.90 | 3816.79 |
| | 11-May-2020 | | | | 28.29 | 3816.40 |
| | 4-Feb-2020 | | | | 27.68 | 3817.01 |
| | 8-Nov-2019 | | | | 24.83 | 3819.86 |
| | 5-Aug-2019 | | | | 26.81 | 3817.88 |
| | 8-May-2019 | | | | 27.50 | 3817.19 |
| | 19-Feb-2019 | | | | 27.30 | 3817.39 |
| | 13-Nov-2018 | | | | 27.08 | 3817.61 |
| | 6-Aug-2018 | | | | 25.50 | 3819.19 |
| | 17-May-2018 | | | | 27.76 | 3816.93 |
| | 6-Feb-2018 | | | | 27.10 | 3817.59 |
| | 7-Nov-2017 | | | | 27.20 | 3817.49 |
| | 8-Aug-2017 | | | | 27.34 | 3817.35 |
| | 15-May-2017 | | | | 28.75 | 3815.94 |
| | 6-Feb-2017 | | | | 29.21 | 3815.48 |
| | 7-Nov-2016 | | | | 28.80 | 3815.89 |
| | 15-Aug-2016 | | | | 28.80 | 3815.89 |
| | 17-May-2016 | | | | 29.82 | 3814.87 |
| | 9-Feb-2016 | | | | 29.95 | 3814.74 |
| | 5-Nov-2015 | | | | 29.75 | 3814.94 |
| | 5-Aug-2015 | | | | 29.41 | 3815.28 |
| | 7-May-2015 | | | | 29.77 | 3814.92 |
| | 5-Feb-2015 | | | | 29.23 | 3815.46 |
| | 10-Nov-2014 | | | | 28.96 | 3815.73 |
| | 13-Aug-2014 | | | | 27.44 | 3817.25 |
| | 13-May-2014 | | | | 28.53 | 3816.16 |
| | 12-Feb-2014 | | | | 27.97 | 3816.72 |
| | 6-Nov-2013 | | | | 26.34 | 3818.35 |
| | 14-Aug-2013 | | | | 26.66 | 3818.03 |
| | 7-May-2013 | | | | 26.53 | 3818.16 |
| | 7-Feb-2013 | | | | 26.48 | 3818.21 |
| | 24-Oct-2012 | | | | 25.91 | 3818.78 |
| | 31-Jul-2012 | | | | 25.05 | 3819.64 |
| | 23-Apr-2012 | | | | 25.46 | 3819.23 |
| | 26-Jan-2012 | | | | 25.71 | 3818.98 |
| | 8-Dec-2011 | | | | 25.35 | 3819.34 |
| | 19-Jul-2011 | | | | 23.15 | 3821.54 |
| | 19-Apr-2011 | | | | 22.80 | 3821.89 |
| | 18-Jan-2011 | | | | 23.30 | 3821.39 |
| | 15-Sep-2010 | | | | 22.34 | 3822.35 |
| | 24-Jun-2010 | | | | 22.84 | 3821.85 |
| | 22-Mar-2010 | | | | 23.16 | 3821.53 |
| | 8-Dec-2009 | | | | 22.87 | 3821.82 |
| | 28-Aug-2009 | | | | 22.43 | 3822.26 |
| | 26-May-2009 | | | | 22.73 | 3821.96 |
| | 11-Dec-2008 | | | | 22.91 | 3821.78 |
| | 27-Sep-2008 | | | | 22.28 | 3822.41 |
| | 10-Jun-2008 | | | | 23.12 | 3821.57 |
| | 6-Feb-2008 | | | | 23.43 | 3821.26 |
| | 13-Nov-2007 | | | | 23.00 | 3821.69 |
| | 12-Sep-2007 | | | | 23.15 | 3821.54 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| 42-03 | 3-Aug-2023 | 419710.55 | 1514064.35 | 3898.46 | 88.10 | 3810.36 |
| | 2-May-2023 | | | | 87.33 | 3811.13 |
| | 2-Feb-2023 | | | | 86.55 | 3811.91 |
| | 1-Nov-2022 | | | | 86.76 | 3811.70 |
| | 1-Aug-2022 | | | | 87.08 | 3811.38 |
| | 2-May-2022 | | | | 86.28 | 3812.18 |
| | 7-Feb-2022 | | | | 85.42 | 3813.04 |
| | 1-Nov-2021 | | | | 85.70 | 3812.76 |
| | 4-Aug-2021 | | | | 85.65 | 3812.81 |
| | 3-May-2021 | | | | 85.15 | 3813.31 |
| | 10-Feb-2021 | | | | 84.76 | 3813.70 |
| | 2-Nov-2020 | | | | 85.01 | 3813.45 |
| | 10-Aug-2020 | | | | 85.60 | 3812.86 |
| | 11-May-2020 | | | | 85.01 | 3813.45 |
| | 4-Feb-2020 | | | | 84.90 | 3813.56 |
| | 8-Nov-2019 | | | | 84.22 | 3814.24 |
| | 5-Aug-2019 | | | | 84.22 | 3814.24 |
| | 24-Jan-1900 | | | | 86.35 | 3812.11 |
| | 8-May-2019 | | | | 85.82 | 3812.64 |
| | 19-Feb-2019 | | | | 85.05 | 3813.41 |
| | 13-Nov-2018 | | | | 85.10 | 3813.36 |
| | 6-Aug-2018 | | | | 85.91 | 3812.55 |
| | 17-May-2018 | | | | 87.46 | 3811.00 |
| | 6-Feb-2018 | | | | 84.66 | 3813.80 |
| | 7-Nov-2017 | | | | 85.30 | 3813.16 |
| | 8-Aug-2017 | | | | 86.20 | 3812.26 |
| | 15-May-2017 | | | | 86.58 | 3811.88 |
| | 6-Feb-2017 | | | | 85.27 | 3813.19 |
| | 7-Nov-2016 | | | | 85.99 | 3812.47 |
| | 15-Aug-2016 | | | | 86.55 | 3811.91 |
| | 17-May-2016 | | | | 86.96 | 3811.50 |
| | 9-Feb-2016 | | | | 85.37 | 3813.09 |
| | 5-Nov-2015 | | | | 85.63 | 3812.83 |
| | 5-Aug-2015 | | | | 87.05 | 3811.41 |
| | 7-May-2015 | | | | 86.30 | 3812.16 |
| | 5-Feb-2015 | | | | 84.36 | 3814.10 |
| | 10-Nov-2014 | | | | 84.63 | 3813.83 |
| | 12-Aug-2014 | | | | 84.73 | 3813.73 |
| | 13-May-2014 | | | | 85.05 | 3813.41 |
| | 12-Feb-2014 | | | | 83.40 | 3815.06 |
| | 6-Nov-2013 | | | | 83.89 | 3814.57 |
| | 6-Aug-2013 | | | | 82.46 | 3816.00 |
| | 7-May-2013 | | | | 81.97 | 3816.49 |
| | 7-Feb-2013 | | | | 82.01 | 3816.45 |
| | 24-Oct-2012 | | | | 82.70 | 3815.76 |
| | 31-Jul-2012 | | | | 82.49 | 3815.97 |
| | 23-Apr-2012 | | | | 81.57 | 3816.89 |
| | 25-Jan-2012 | | | | 81.18 | 3817.28 |
| | 8-Dec-2011 | | | | 81.26 | 3817.20 |
| | 19-Jul-2011 | | | | 81.33 | 3817.13 |
| | 19-Apr-2011 | | | | 80.21 | 3818.25 |
| | 18-Jan-2011 | | | | 79.33 | 3819.13 |
| | 15-Sep-2010 | | | | 79.91 | 3818.55 |
| | 24-Jun-2010 | | | | 81.12 | 3817.34 |
| | 22-Mar-2010 | | | | 79.57 | 3818.89 |
| | 8-Dec-2009 | | | | 79.12 | 3819.34 |
| | 28-Aug-2009 | | | | 79.26 | 3819.20 |
| | 26-May-2009 | | | | 79.42 | 3819.04 |
| | 11-Dec-2008 | | | | 78.89 | 3819.57 |
| | 27-Sep-2008 | | | | 78.91 | 3819.55 |
| | 10-Jun-2008 | | | | 79.91 | 3818.55 |
| | 6-Feb-2008 | | | | 79.76 | 3818.70 |
| | 13-Nov-2007 | | | | 79.15 | 3819.31 |
| | 12-Sep-2007 | | | | 79.71 | 3818.75 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| 42-06 | 3-Aug-2023 | 420021.61 | 1511465.15 | 3850.15 | 36.70 | 3813.45 |
| | 2-May-2023 | | | | 37.20 | 3812.95 |
| | 3-Feb-2023 | | | | 36.70 | 3813.45 |
| | 2-Nov-2022 | | | | 35.12 | 3815.03 |
| | 2-Aug-2022 | | | | 34.50 | 3815.65 |
| | 2-May-2022 | | | | 35.31 | 3814.84 |
| | 7-Feb-2022 | | | | 34.99 | 3815.16 |
| | 1-Nov-2021 | | | | 34.02 | 3816.13 |
| | 4-Aug-2021 | | | | 33.34 | 3816.81 |
| | 3-May-2021 | | | | 33.76 | 3816.39 |
| | 10-Feb-2021 | | | | 33.36 | 3816.79 |
| | 2-Nov-2020 | | | | 32.96 | 3817.19 |
| | 10-Aug-2020 | | | | 33.85 | 3816.30 |
| | 11-May-2020 | | | | 34.55 | 3815.60 |
| | 4-Feb-2020 | | | | 33.84 | 3816.31 |
| | 8-Nov-2019 | | | | 31.38 | 3818.77 |
| | 5-Aug-2019 | | | | 33.42 | 3816.73 |
| | 8-May-2019 | | | | 33.80 | 3816.35 |
| | 19-Feb-2019 | | | | 33.60 | 3816.55 |
| | 13-Nov-2018 | | | | 33.29 | 3816.86 |
| | 6-Aug-2018 | | | | 32.20 | 3817.95 |
| | 17-May-2018 | | | | 34.08 | 3816.07 |
| | 6-Feb-2018 | | | | 33.35 | 3816.80 |
| | 7-Nov-2017 | | | | 33.54 | 3816.61 |
| | 8-Aug-2017 | | | | 33.90 | 3816.25 |
| | 15-May-2017 | | | | 34.92 | 3815.23 |
| | 6-Feb-2017 | | | | 35.16 | 3814.99 |
| | 7-Nov-2016 | | | | 34.93 | 3815.22 |
| | 15-Aug-2016 | | | | 35.07 | 3815.08 |
| | 17-May-2016 | | | | 35.91 | 3814.24 |
| | 9-Feb-2016 | | | | 35.80 | 3814.35 |
| | 5-Nov-2015 | | | | 35.37 | 3814.78 |
| | 5-Aug-2015 | | | | 35.52 | 3814.63 |
| | 7-May-2015 | | | | 35.70 | 3814.45 |
| | 5-Feb-2015 | | | | 35.08 | 3815.07 |
| | 10-Nov-2014 | | | | 34.83 | 3815.32 |
| | 13-Aug-2014 | | | | 33.65 | 3816.50 |
| | 13-May-2014 | | | | 34.50 | 3815.65 |
| | 12-Feb-2014 | | | | 33.85 | 3816.30 |
| | 6-Nov-2013 | | | | 31.68 | 3818.47 |
| | 6-Aug-2013 | | | | 31.24 | 3818.91 |
| | 7-May-2013 | | | | 32.71 | 3817.44 |
| | 7-Feb-2013 | | | | 32.30 | 3817.85 |
| | 24-Oct-2012 | | | | 31.80 | 3818.35 |
| | 31-Jul-2012 | | | | 31.15 | 3819.00 |
| | 23-Apr-2012 | | | | 31.37 | 3818.78 |
| | 25-Jan-2012 | | | | 31.51 | 3818.64 |
| | 8-Dec-2011 | | | | 31.19 | 3818.96 |
| | 19-Jul-2011 | | | | 29.37 | 3820.78 |
| | 19-Apr-2011 | | | | 29.66 | 3820.49 |
| | 18-Jan-2011 | | | | 29.18 | 3820.97 |
| | 15-Sep-2010 | | | | 28.36 | 3821.79 |
| | 24-Jun-2010 | | | | 28.96 | 3821.19 |
| | 22-Mar-2010 | | | | 29.04 | 3821.11 |
| | 8-Dec-2009 | | | | 28.90 | 3821.25 |
| | 28-Aug-2009 | | | | 28.44 | 3821.71 |
| | 26-May-2009 | | | | 28.70 | 3821.45 |
| | 11-Dec-2008 | | | | 28.75 | 3821.40 |
| | 27-Sep-2008 | | | | 28.27 | 3821.88 |
| | 10-Jun-2008 | | | | 29.03 | 3821.12 |
| | 6-Feb-2008 | | | | 29.24 | 3820.91 |
| | 13-Nov-2007 | | | | 28.87 | 3821.28 |
| | 12-Sep-2007 | | | | 29.03 | 3821.12 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| 42-07 | 10-Nov-2020 | 420584.8 | 1513076.66 | 3891.52 | Plugged and Abandoned | |
| | 2-Nov-2020 | | | | Dry | |
| | 10-Aug-2020 | | | | Dry | |
| | 11-May-2020 | | | | Dry | |
| | 4-Feb-2020 | | | | Dry | |
| | 8-Nov-2019 | | | | Dry | |
| | 5-Aug-2019 | | | | Dry | |
| | 8-May-2019 | | | | Dry | |
| | 19-Feb-2019 | | | | Dry | |
| | 13-Nov-2018 | | | | Dry | |
| | 6-Aug-2018 | | | | Dry | |
| | 17-May-2018 | | | | Dry | |
| | 6-Feb-2018 | | | | Dry | |
| | 7-Nov-2017 | | | | Dry | |
| | 8-Aug-2017 | | | | Dry | |
| | 15-May-2017 | | | | Dry | |
| | 6-Feb-2017 | | | | Dry | |
| | 7-Nov-2016 | | | | Dry | |
| | 15-Aug-2016 | | | | Dry | |
| | 17-May-2016 | | | | Dry | |
| | 9-Feb-2016 | | | | Dry | |
| | 5-Nov-2015 | | | | Dry | |
| | 5-Aug-2015 | | | | Dry | |
| | 7-May-2015 | | | | Dry | |
| | 5-Feb-2015 | | | | Dry | |
| | 10-Nov-2014 | | | | Dry | |
| | 13-Aug-2014 | | | | Dry | |
| | 13-May-2014 | | | | Dry | |
| | 12-Feb-2014 | | | | Dry | |
| | 6-Nov-2013 | | | | Dry | |
| | 6-Aug-2013 | | | | Dry | |
| | 7-May-2013 | | | | Dry | |
| | 7-Feb-2013 | | | | Dry | |
| | 24-Oct-2012 | | | | Dry | |
| | 31-Jul-2012 | | | | Dry | |
| | 23-Apr-2012 | | | | Dry | |
| | 25-Jan-2012 | | | | Dry | |
| | 8-Dec-2011 | | | | Dry | |
| | 19-Jul-2011 | | | | Dry | |
| | 19-Apr-2011 | | | | 72.19 | 3819.33 |
| | 18-Jan-2011 | | | | 71.37 | 3820.15 |
| | 15-Sep-2010 | | | | 71.64 | 3819.88 |
| | 24-Jun-2010 | | | | 72.24 | 3819.28 |
| | 22-Mar-2010 | | | | 71.43 | 3820.09 |
| | 8-Dec-2009 | | | | 71.26 | 3820.26 |
| | 28-Aug-2009 | | | | 71.26 | 3820.26 |
| | 26-May-2009 | | | | 71.31 | 3820.21 |
| | 11-Dec-2008 | | | | 70.87 | 3820.65 |
| | 27-Sep-2008 | | | | 70.95 | 3820.57 |
| | 10-Jun-2008 | | | | 71.71 | 3819.81 |
| | 6-Feb-2008 | | | | 71.00 | 3820.52 |
| | 13-Nov-2007 | | | | 71.12 | 3820.40 |
| | 12-Sep-2007 | | | | 71.61 | 3819.91 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| 42-08 | 3-Aug-2023 | 419994.93 | 1511197.91 | 3846.53 | 32.81 | 3813.72 |
| | 2-May-2023 | | | | 31.91 | 3814.62 |
| | 3-Feb-2023 | | | | 31.68 | 3814.85 |
| | 2-Nov-2022 | | | | 31.00 | 3815.53 |
| | 2-Aug-2022 | | | | 30.10 | 3816.43 |
| | 2-May-2022 | | | | 31.00 | 3815.53 |
| | 7-Feb-2022 | | | | 30.20 | 3816.33 |
| | 1-Nov-2021 | | | | 29.71 | 3816.82 |
| | 4-Aug-2021 | | | | 29.05 | 3817.48 |
| | 3-May-2021 | | | | 29.60 | 3816.93 |
| | 10-Feb-2021 | | | | 29.08 | 3817.45 |
| | 2-Nov-2020 | | | | 28.44 | 3818.09 |
| | 10-Aug-2020 | | | | 29.93 | 3816.60 |
| | 11-May-2020 | | | | 30.63 | 3815.90 |
| | 4-Feb-2020 | | | | 29.72 | 3816.81 |
| | 8-Nov-2019 | | | | 28.12 | 3818.41 |
| | 5-Aug-2019 | | | | 29.08 | 3817.45 |
| | 8-May-2019 | | | | 29.61 | 3816.92 |
| | 19-Feb-2019 | | | | 29.42 | 3817.11 |
| | 13-Nov-2018 | | | | 29.14 | 3817.39 |
| | 6-Aug-2018 | | | | 27.74 | 3818.79 |
| | 17-May-2018 | | | | 29.88 | 3816.65 |
| | 6-Feb-2018 | | | | 29.20 | 3817.33 |
| | 7-Nov-2017 | | | | 29.37 | 3817.16 |
| | 8-Aug-2017 | | | | 29.53 | 3817.00 |
| | 15-May-2017 | | | | 30.80 | 3815.73 |
| | 6-Feb-2017 | | | | 31.22 | 3815.31 |
| | 7-Nov-2016 | | | | 30.87 | 3815.66 |
| | 15-Aug-2016 | | | | 30.90 | 3815.63 |
| | 17-May-2016 | | | | Dry | |
| | 9-Feb-2016 | | | | Dry | |
| | 5-Nov-2015 | | | | Dry | |
| | 5-Aug-2015 | | | | 31.45 | 3815.08 |
| | 7-May-2015 | | | | 31.77 | 3814.76 |
| | 5-Feb-2015 | | | | 31.23 | 3815.30 |
| | 10-Nov-2014 | | | | 30.97 | 3815.56 |
| | 13-Aug-2014 | | | | 29.54 | 3816.99 |
| | 13-May-2014 | | | | 30.68 | 3815.85 |
| | 12-Feb-2014 | | | | 29.98 | 3816.55 |
| | 6-Nov-2013 | | | | 28.26 | 3818.27 |
| | 6-Aug-2013 | | | | 27.97 | 3818.56 |
| | 7-May-2013 | | | | 28.69 | 3817.84 |
| | 7-Feb-2013 | | | | 28.43 | 3818.10 |
| | 24-Oct-2012 | | | | 27.92 | 3818.61 |
| | 31-Jul-2012 | | | | 27.11 | 3819.42 |
| | 23-Apr-2012 | | | | 27.51 | 3819.02 |
| | 26-Jan-2012 | | | | 27.68 | 3818.85 |
| | 8-Dec-2011 | | | | 27.33 | 3819.20 |
| | 19-Jul-2011 | | | | 25.24 | 3821.29 |
| | 19-Apr-2011 | | | | 25.72 | 3820.81 |
| | 18-Jan-2011 | | | | 25.28 | 3821.25 |
| | 15-Sep-2010 | | | | 24.37 | 3822.16 |
| | 24-Jun-2010 | | | | 24.91 | 3821.62 |
| | 22-Mar-2010 | | | | 25.15 | 3821.38 |
| | 8-Dec-2009 | | | | 24.91 | 3821.62 |
| | 28-Aug-2009 | | | | 24.46 | 3822.07 |
| | 26-May-2009 | | | | 24.75 | 3821.78 |
| | 11-Dec-2008 | | | | 24.88 | 3821.65 |
| | 27-Sep-2008 | | | | 24.30 | 3822.23 |
| | 10-Jun-2008 | | | | 25.13 | 3821.40 |
| | 6-Feb-2008 | | | | 25.41 | 3821.12 |
| | 13-Nov-2007 | | | | 25.00 | 3821.53 |
| | 12-Sep-2007 | | | | 25.13 | 3821.40 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| 42-09 | 4-Feb-2020 | 419729.17 | 1512255.76 | 3865.25 | Damaged | |
| | 8-Nov-2019 | | | | 47.03 | -47.03 |
| | 5-Aug-2019 | | | | 49.72 | 3815.53 |
| | 8-May-2019 | | | | 49.76 | -49.76 |
| | 19-Feb-2019 | | | | 49.69 | -49.69 |
| | 13-Nov-2018 | | | | 49.30 | 3815.95 |
| | 6-Aug-2018 | | | | 48.59 | 3816.66 |
| | 17-May-2018 | | | | 50.22 | -50.22 |
| | 6-Feb-2018 | | | | 49.37 | -49.37 |
| | 7-Nov-2017 | | | | 49.53 | -49.53 |
| | 8-Aug-2017 | | | | 50.35 | -50.35 |
| | 15-May-2017 | | | | 50.78 | -50.78 |
| | 6-Feb-2017 | | | | 50.95 | -50.95 |
| | 7-Nov-2016 | | | | 50.98 | -50.98 |
| | 15-Aug-2016 | | | | 51.29 | -51.29 |
| | 17-May-2016 | | | | 51.73 | -51.73 |
| | 9-Feb-2016 | | | | 51.39 | -51.39 |
| | 5-Nov-2015 | | | | Damaged | |
| | 5-Aug-2015 | | | | 51.34 | -51.34 |
| | 7-May-2015 | | | | 51.23 | -51.23 |
| | 5-Feb-2015 | | | | 50.51 | -50.51 |
| | 10-Nov-2014 | | | | 50.21 | -50.21 |
| | 12-Aug-2014 | | | | 49.45 | -49.45 |
| | 13-May-2014 | | | | 49.85 | -49.85 |
| | 12-Feb-2014 | | | | 49.36 | -49.36 |
| | 6-Nov-2013 | | | | 48.23 | -48.23 |
| | 6-Aug-2013 | | | | 47.88 | -47.88 |
| | 7-May-2013 | | | | 48.04 | -48.04 |
| | 7-Feb-2013 | | | | 47.79 | -47.79 |
| | 24-Oct-2012 | | | | 47.29 | -47.29 |
| | 31-Jul-2012 | | | | 46.98 | -46.98 |
| | 23-Apr-2012 | | | | 46.93 | -46.93 |
| | 25-Jan-2012 | | | | 46.95 | 3818.30 |
| | 8-Dec-2011 | | | | 46.76 | -46.76 |
| | 19-Jul-2011 | | | | 45.54 | 3819.71 |
| | 19-Apr-2011 | | | | 45.38 | 3819.87 |
| | 18-Jan-2011 | | | | 44.87 | 3820.38 |
| | 15-Sep-2010 | | | | 44.21 | -44.21 |
| | 24-Jun-2010 | | | | 44.99 | -44.99 |
| | 22-Mar-2010 | | | | 44.72 | -44.72 |
| | 8-Dec-2009 | | | | 44.70 | -44.70 |
| | 28-Aug-2009 | | | | 44.32 | -44.32 |
| | 26-May-2009 | | | | 44.50 | -44.50 |
| | 11-Dec-2008 | | | | 44.39 | -44.39 |
| | 27-Sep-2008 | | | | 44.12 | -44.12 |
| | 10-Jun-2008 | | | | 44.77 | -44.77 |
| | 6-Feb-2008 | | | | 44.80 | -44.80 |
| | 13-Nov-2007 | | | | 44.47 | -44.47 |
| | 12-Sep-2007 | | | | 44.73 | -44.73 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| 42-10 | 3-Aug-2023 | 421426.39 | 1514460.4 | 3929.28 | 119.20 | 3810.08 |
| | 2-May-2023 | | | | 118.32 | 3810.96 |
| | 3-Feb-2023 | | | | 117.50 | 3811.78 |
| | 2-Nov-2022 | | | | 118.25 | 3811.03 |
| | 2-Aug-2022 | | | | 118.04 | 3811.24 |
| | 3-May-2022 | | | | 117.20 | 3812.08 |
| | 8-Feb-2022 | | | | 116.40 | 3812.88 |
| | 1-Nov-2021 | | | | 117.11 | 3812.17 |
| | 4-Aug-2021 | | | | 117.00 | 3812.28 |
| | 3-May-2021 | | | | 116.57 | 3812.71 |
| | 10-Feb-2021 | | | | 116.63 | 3812.65 |
| | 3-Nov-2020 | | | | 116.93 | 3812.35 |
| | 10-Aug-2020 | | | | 117.88 | 3811.40 |
| | 11-May-2020 | | | | 117.22 | 3812.06 |
| | 5-Feb-2020 | | | | 116.05 | 3813.23 |
| | 25-Nov-2019 | | | | 116.94 | 3812.34 |
| | 5-Aug-2019 | | | | 117.70 | 3811.58 |
| | 8-May-2019 | | | | 117.06 | 3812.22 |
| | 19-Feb-2019 | | | | 116.10 | 3813.18 |
| | 13-Nov-2018 | | | | 116.55 | 3812.73 |
| | 6-Aug-2018 | | | | 117.51 | 3811.77 |
| | 17-May-2018 | | | | 117.25 | 3812.03 |
| | 6-Feb-2018 | | | | 115.60 | 3813.68 |
| | 7-Nov-2017 | | | | 116.45 | 3812.83 |
| | 9-Aug-2017 | | | | 117.45 | 3811.83 |
| | 15-May-2017 | | | | 117.22 | 3812.06 |
| | 6-Feb-2017 | | | | 115.88 | 3813.40 |
| | 7-Nov-2016 | | | | 116.40 | 3812.88 |
| | 15-Aug-2016 | | | | 117.36 | 3811.92 |
| | 17-May-2016 | | | | 117.40 | 3811.88 |
| | 9-Feb-2016 | | | | 115.85 | 3813.43 |
| | 5-Nov-2015 | | | | 116.29 | 3812.99 |
| | 5-Aug-2015 | | | | 117.00 | 3812.28 |
| | 12-May-2015 | | | | 116.10 | 3813.18 |
| | 6-Feb-2015 | | | | 114.95 | 3814.33 |
| | 10-Nov-2014 | | | | 115.52 | 3813.76 |
| | 14-Aug-2014 | | | | 115.37 | 3813.91 |
| | 13-May-2014 | | | | 115.15 | 3814.13 |
| | 12-Feb-2014 | | | | 113.97 | 3815.31 |
| | 6-Nov-2013 | | | | 115.21 | 3814.07 |
| | 6-Aug-2013 | | | | 113.03 | 3816.25 |
| | 7-May-2013 | | | | 112.81 | 3816.47 |
| | 7-Feb-2013 | | | | 112.29 | 3816.99 |
| | 24-Oct-2012 | | | | 112.95 | 3816.33 |
| | 31-Jul-2012 | | | | 112.87 | 3816.41 |
| | 23-Apr-2012 | | | | 111.87 | 3817.41 |
| | 25-Jan-2012 | | | | 110.98 | 3818.30 |
| | 8-Dec-2011 | | | | 111.16 | 3818.12 |
| | 19-Jul-2011 | | | | 111.21 | 3818.07 |
| | 19-Apr-2011 | | | | 110.06 | 3819.22 |
| | 18-Jan-2011 | | | | 109.19 | 3820.09 |
| | 15-Sep-2010 | | | | 110.24 | 3819.04 |
| | 27-Jun-2010 | | | | 110.35 | 3818.93 |
| | 22-Mar-2010 | | | | 109.47 | 3819.81 |
| | 8-Dec-2009 | | | | 109.41 | 3819.87 |
| | 28-Aug-2009 | | | | 109.67 | 3819.61 |
| | 26-May-2009 | | | | 109.53 | 3819.75 |
| | 11-Dec-2008 | | | | 109.00 | 3820.28 |
| | 27-Sep-2008 | | | | 109.49 | 3819.79 |
| | 11-Jun-2008 | | | | 109.88 | 3819.40 |
| | 6-Feb-2008 | | | | 108.98 | 3820.30 |
| | 14-Nov-2007 | | | | 109.36 | 3819.92 |
| | 12-Sep-2007 | | | | 109.92 | 3819.36 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| 42-11 | 3-Aug-2023 | 420693.98 | 1515270.32 | 3939.31 | 130.00 | 3809.31 |
| | 2-May-2023 | | | | 129.00 | 3810.31 |
| | 3-Feb-2023 | | | | 128.02 | 3811.29 |
| | 2-Nov-2022 | | | | 127.15 | 3812.16 |
| | 2-Aug-2022 | | | | 127.20 | 3812.11 |
| | 3-May-2022 | | | | 127.95 | 3811.36 |
| | 8-Feb-2022 | | | | 127.03 | 3812.28 |
| | 1-Nov-2021 | | | | 127.62 | 3811.69 |
| | 4-Aug-2021 | | | | 127.46 | 3811.85 |
| | 3-May-2021 | | | | 127.07 | 3812.24 |
| | 10-Feb-2021 | | | | 126.91 | 3812.40 |
| | 3-Nov-2020 | | | | 127.37 | 3811.94 |
| | 10-Aug-2020 | | | | 127.65 | 3811.66 |
| | 11-May-2020 | | | | 127.06 | 3812.25 |
| | 4-Feb-2020 | | | | 126.66 | 3812.65 |
| | 8-Nov-2019 | | | | 126.63 | 3812.68 |
| | 5-Aug-2019 | | | | 127.96 | 3811.35 |
| | 8-May-2019 | | | | 127.35 | 3811.96 |
| | 19-Feb-2019 | | | | 126.61 | 3812.70 |
| | 13-Nov-2018 | | | | 127.35 | 3811.96 |
| | 6-Aug-2018 | | | | 127.90 | 3811.41 |
| | 17-May-2018 | | | | 127.49 | 3811.82 |
| | 6-Feb-2018 | | | | 126.31 | 3813.00 |
| | 7-Nov-2017 | | | | 127.08 | 3812.23 |
| | 8-Aug-2017 | | | | 127.76 | 3811.55 |
| | 15-May-2017 | | | | 127.55 | 3811.76 |
| | 6-Feb-2017 | | | | 126.48 | 3812.83 |
| | 7-Nov-2016 | | | | 127.48 | 3811.83 |
| | 15-Aug-2016 | | | | 127.82 | 3811.49 |
| | 17-May-2016 | | | | 127.50 | 3811.81 |
| | 9-Feb-2016 | | | | 126.40 | 3812.91 |
| | 5-Nov-2015 | | | | 126.80 | 3812.51 |
| | 5-Aug-2015 | | | | 127.08 | 3812.23 |
| | 12-May-2015 | | | | 126.42 | 3812.89 |
| | 6-Feb-2015 | | | | 125.43 | 3813.88 |
| | 10-Nov-2014 | | | | 125.97 | 3813.34 |
| | 14-Aug-2014 | | | | 125.85 | 3813.46 |
| | 13-May-2014 | | | | 125.27 | 3814.04 |
| | 12-Feb-2014 | | | | 123.96 | 3815.35 |
| | 6-Nov-2013 | | | | 125.37 | 3813.94 |
| | 6-Aug-2013 | | | | 124.06 | 3815.25 |
| | 7-May-2013 | | | | 123.24 | 3816.07 |
| | 7-Feb-2013 | | | | 122.91 | 3816.40 |
| | 24-Oct-2012 | | | | 123.44 | 3815.87 |
| | 31-Jul-2012 | | | | 123.11 | 3816.20 |
| | 23-Apr-2012 | | | | 122.09 | 3817.22 |
| | 25-Jan-2012 | | | | 121.67 | 3817.64 |
| | 8-Dec-2011 | | | | 121.83 | 3817.48 |
| | 19-Jul-2011 | | | | 121.73 | 3817.58 |
| | 19-Apr-2011 | | | | 120.64 | 3818.67 |
| | 18-Jan-2011 | | | | 120.01 | 3819.30 |
| | 15-Sep-2010 | | | | 121.02 | 3818.29 |
| | 27-Jun-2010 | | | | 121.05 | 3818.26 |
| | 22-Mar-2010 | | | | 120.18 | 3819.13 |
| | 8-Dec-2009 | | | | 120.21 | 3819.10 |
| | 28-Aug-2009 | | | | 120.51 | 3818.80 |
| | 26-May-2009 | | | | 120.35 | 3818.96 |
| | 11-Dec-2008 | | | | 119.88 | 3819.43 |
| | 27-Sep-2008 | | | | 120.29 | 3819.02 |
| | 11-Jun-2008 | | | | 120.57 | 3818.74 |
| | 6-Feb-2008 | | | | 119.84 | 3819.47 |
| | 14-Nov-2007 | | | | 120.24 | 3819.07 |
| | 12-Sep-2007 | | | | 120.74 | 3818.57 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| 42-12 | 3-Aug-2023 | 420972.09 | 1515423.88 | 3945.83 | 136.32 | 3809.51 |
| | 2-May-2023 | | | | 135.42 | 3810.41 |
| | 3-Feb-2023 | | | | 134.54 | 3811.29 |
| | 2-Nov-2022 | | | | 134.90 | 3810.93 |
| | 2-Aug-2022 | | | | 135.02 | 3810.81 |
| | 3-May-2022 | | | | 134.33 | 3811.50 |
| | 8-Feb-2022 | | | | 133.50 | 3812.33 |
| | 1-Nov-2021 | | | | 134.00 | 3811.83 |
| | 4-Aug-2021 | | | | 133.90 | 3811.93 |
| | 3-May-2021 | | | | 132.96 | 3812.87 |
| | 10-Feb-2021 | | | | 132.50 | 3813.33 |
| | 3-Nov-2020 | | | | 133.95 | 3811.88 |
| | 10-Aug-2020 | | | | 134.78 | 3811.05 |
| | 11-May-2020 | | | | 134.13 | 3811.70 |
| | 5-Feb-2020 | | | | 133.30 | 3812.53 |
| | 8-Nov-2019 | | | | 133.01 | 3812.82 |
| | 5-Aug-2019 | | | | 134.50 | 3811.33 |
| | 8-May-2019 | | | | 133.01 | 3812.82 |
| | 19-Feb-2019 | | | | 133.15 | 3812.68 |
| | 13-Nov-2018 | | | | 133.90 | 3811.93 |
| | 6-Aug-2018 | | | | 134.45 | 3811.38 |
| | 17-May-2018 | | | | 133.95 | 3811.88 |
| | 6-Feb-2018 | | | | 132.89 | 3812.94 |
| | 7-Nov-2017 | | | | 133.64 | 3812.19 |
| | 8-Aug-2017 | | | | Not accessible | |
| | 15-May-2017 | | | | 133.90 | 3811.93 |
| | 6-Feb-2017 | | | | 132.92 | 3812.91 |
| | 7-Nov-2016 | | | | 133.88 | 3811.95 |
| | 15-Aug-2016 | | | | 134.14 | 3811.69 |
| | 17-May-2016 | | | | 133.77 | 3812.06 |
| | 9-Feb-2016 | | | | 132.75 | 3813.08 |
| | 5-Nov-2015 | | | | 133.16 | 3812.67 |
| | 5-Aug-2015 | | | | 134.36 | 3811.47 |
| | 7-May-2015 | | | | 133.05 | 3812.78 |
| | 6-Feb-2015 | | | | 131.76 | 3814.07 |
| | 10-Nov-2014 | | | | 132.31 | 3813.52 |
| | 14-Aug-2014 | | | | 132.13 | 3813.70 |
| | 13-May-2014 | | | | 131.63 | 3814.20 |
| | 12-Feb-2014 | | | | 129.89 | 3815.94 |
| | 6-Nov-2013 | | | | 131.11 | 3814.72 |
| | 6-Aug-2013 | | | | 130.08 | 3815.75 |
| | 7-May-2013 | | | | 129.59 | 3816.24 |
| | 7-Feb-2013 | | | | 129.18 | 3816.65 |
| | 24-Oct-2012 | | | | 129.74 | 3816.09 |
| | 31-Jul-2012 | | | | 129.44 | 3816.39 |
| | 23-Apr-2012 | | | | 128.71 | 3817.12 |
| | 25-Jan-2012 | | | | 128.06 | 3817.77 |
| | 8-Dec-2011 | | | | 128.14 | 3817.69 |
| | 19-Jul-2011 | | | | 128.01 | 3817.82 |
| | 19-Apr-2011 | | | | 126.37 | 3819.46 |
| | 18-Jan-2011 | | | | 126.37 | 3819.46 |
| | 15-Sep-2010 | | | | 127.38 | 3818.45 |
| | 27-Jun-2010 | | | | 127.43 | 3818.40 |
| | 22-Mar-2010 | | | | 126.50 | 3819.33 |
| | 8-Dec-2009 | | | | 126.60 | 3819.23 |
| | 28-Aug-2009 | | | | 126.84 | 3818.99 |
| | 26-May-2009 | | | | 126.68 | 3819.15 |
| | 11-Dec-2008 | | | | 126.18 | 3819.65 |
| | 27-Sep-2008 | | | | 126.68 | 3819.15 |
| | 11-Jun-2008 | | | | 126.88 | 3818.95 |
| | 6-Feb-2008 | | | | 126.16 | 3819.67 |
| | 14-Nov-2007 | | | | 126.55 | 3819.28 |
| | 12-Sep-2007 | | | | 127.04 | 3818.79 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| 42-13 | 3-Aug-2023 | 419734.06 | 1512534.42 | 3873.10 | 61.00 | 3812.10 |
| | 2-May-2023 | | | | 60.01 | 3813.09 |
| | 2-Feb-2023 | | | | 59.06 | 3814.04 |
| | 1-Nov-2022 | | | | 58.81 | 3814.29 |
| | 2-Aug-2022 | | | | 58.90 | 3814.20 |
| | 3-May-2022 | | | | 59.28 | 3813.82 |
| | 7-Feb-2022 | | | | 58.97 | 3814.13 |
| | 1-Nov-2021 | | | | 58.53 | 3814.57 |
| | 4-Aug-2021 | | | | 58.00 | 3815.10 |
| | 3-May-2021 | | | | 58.10 | 3815.00 |
| | 10-Feb-2021 | | | | 57.91 | 3815.19 |
| | 2-Nov-2020 | | | | 58.66 | 3814.44 |
| | 10-Aug-2020 | | | | 59.05 | 3814.05 |
| | 11-May-2020 | | | | 59.66 | 3813.44 |
| | 4-Feb-2020 | | | | 58.05 | 3815.05 |
| | 8-Nov-2019 | | | | 57.05 | 3816.05 |
| | 5-Aug-2019 | | | | 58.25 | 3814.85 |
| | 8-May-2019 | | | | 58.22 | 3814.88 |
| | 19-Feb-2019 | | | | 58.10 | 3815.00 |
| | 13-Nov-2018 | | | | 57.70 | 3815.40 |
| | 6-Aug-2018 | | | | 57.18 | 3815.92 |
| | 17-May-2018 | | | | 58.70 | 3814.40 |
| | 6-Feb-2017 | | | | 57.77 | 3815.33 |
| | 7-Nov-2017 | | | | 57.98 | 3815.12 |
| | 8-Aug-2017 | | | | 58.75 | 3814.35 |
| | 15-May-2017 | | | | 59.15 | 3813.95 |
| | 6-Feb-2017 | | | | 58.90 | 3814.20 |
| | 7-Nov-2016 | | | | 59.00 | 3814.10 |
| | 15-Aug-2016 | | | | 59.40 | 3813.70 |
| | 17-May-2016 | | | | 59.73 | 3813.37 |
| | 9-Feb-2016 | | | | 59.30 | 3813.80 |
| | 5-Nov-2015 | | | | 59.28 | 3813.82 |
| | 5-Aug-2015 | | | | 59.04 | 3814.06 |
| | 7-May-2015 | | | | 59.37 | 3813.73 |
| | 5-Feb-2015 | | | | 58.50 | 3814.60 |
| | 10-Nov-2014 | | | | 57.27 | 3815.83 |
| | 12-Aug-2014 | | | | 57.56 | 3815.54 |
| | 13-May-2014 | | | | 57.95 | 3815.15 |
| | 17-Feb-2014 | | | | 57.38 | 3815.72 |
| | 6-Nov-2013 | | | | 56.31 | 3816.79 |
| | 6-Aug-2013 | | | | 56.01 | 3817.09 |
| | 7-May-2013 | | | | 56.02 | 3817.08 |
| | 7-Feb-2013 | | | | 55.86 | 3817.24 |
| | 24-Oct-2012 | | | | 55.40 | 3817.70 |
| | 31-Jul-2012 | | | | 55.17 | 3817.93 |
| | 23-Apr-2012 | | | | 54.96 | 3818.14 |
| | 25-Jan-2012 | | | | 54.99 | 3818.11 |
| | 8-Dec-2011 | | | | 54.83 | 3818.27 |
| | 19-Jul-2011 | | | | 53.77 | 3819.33 |
| | 19-Apr-2011 | | | | 53.50 | 3819.60 |
| | 18-Jan-2011 | | | | 52.95 | 3820.15 |
| | 15-Sep-2010 | | | | 52.44 | 3820.66 |
| | 24-Jun-2010 | | | | 53.21 | 3819.89 |
| | 22-Mar-2010 | | | | 52.84 | 3820.26 |
| | 8-Dec-2009 | | | | 52.79 | 3820.31 |
| | 28-Aug-2009 | | | | 52.45 | 3820.65 |
| | 26-May-2009 | | | | 52.64 | 3820.46 |
| | 11-Dec-2008 | | | | 52.49 | 3820.61 |
| | 27-Sep-2008 | | | | 52.23 | 3820.87 |
| | 10-Jun-2008 | | | | 52.91 | 3820.19 |
| | 6-Feb-2008 | | | | 52.84 | 3820.26 |
| | 13-Nov-2007 | | | | 52.56 | 3820.54 |
| | 12-Sep-2007 | | | | 52.83 | 3820.27 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| **Dominguez Dairy** | | | | | | |
| 624-01 | 3-Aug-2023 | 418826.21 | 1512131.46 | 3843.72 | 29.52 | 3814.20 |
| | 2-May-2023 | | | | 30.70 | 3813.02 |
| | 3-Feb-2023 | | | | 29.80 | 3813.92 |
| | 2-Nov-2022 | | | | 29.05 | 3814.67 |
| | 2-Aug-2022 | | | | 28.18 | 3815.54 |
| | 3-May-2022 | | | | 28.80 | 3814.92 |
| | 8-Feb-2022 | | | | 28.95 | 3814.77 |
| | 2-Nov-2021 | | | | 28.08 | 3815.64 |
| | 5-Aug-2021 | | | | 27.22 | 3816.50 |
| | 4-May-2021 | | | | 27.13 | 3816.59 |
| | 11-Feb-2021 | | | | 26.27 | 3817.45 |
| | 3-Nov-2020 | | | | 25.95 | 3817.77 |
| | 11-Aug-2020 | | | | 26.11 | 3817.61 |
| | 11-May-2020 | | | | 26.96 | 3816.76 |
| | 5-Feb-2020 | | | | 27.62 | 3816.10 |
| | 8-Nov-2019 | | | | 26.82 | 3816.90 |
| | 1-Aug-2019 | | | | 27.30 | 3816.42 |
| | 8-May-2019 | | | | 26.50 | 3817.22 |
| | 19-Feb-2019 | | | | 27.80 | 3815.92 |
| | 12-Nov-2018 | | | | 27.03 | 3816.69 |
| | 6-Aug-2018 | | | | 24.25 | 3819.47 |
| | 14-May-2018 | | | | 26.91 | 3816.81 |
| | 5-Feb-2018 | | | | 27.43 | 3816.29 |
| | 6-Nov-2017 | | | | 27.11 | 3816.61 |
| | 7-Aug-2017 | | | | 27.76 | 3815.96 |
| | 15-May-2017 | | | | 28.08 | 3815.64 |
| | 7-Feb-2017 | | | | 29.10 | 3814.62 |
| | 7-Nov-2016 | | | | 28.41 | 3815.31 |
| | 15-Aug-2016 | | | | 28.49 | 3815.23 |
| | 16-May-2016 | | | | 28.53 | 3815.19 |
| | 9-Feb-2016 | | | | 29.47 | 3814.25 |
| | 5-Nov-2015 | | | | 29.23 | 3814.49 |
| | 5-Aug-2015 | | | | 28.20 | 3815.52 |
| | 6-May-2015 | | | | 28.06 | 3815.66 |
| | 5-Feb-2015 | | | | 28.95 | 3814.77 |
| | 10-Nov-2014 | | | | 28.24 | 3815.48 |
| | 12-Aug-2014 | | | | 26.64 | 3817.08 |
| | 12-May-2014 | | | | 27.38 | 3816.34 |
| | 12-Feb-2014 | | | | 28.10 | 3815.62 |
| | 7-Nov-2013 | | | | 26.34 | 3817.38 |
| | 6-Aug-2013 | | | | 25.98 | 3817.74 |
| | 7-May-2013 | | | | 26.21 | 3817.51 |
| | 7-Feb-2013 | | | | 26.39 | 3817.33 |
| | 24-Oct-2012 | | | | 25.89 | 3817.83 |
| | 30-Jul-2012 | | | | 26.12 | 3817.60 |
| | 24-Apr-2012 | | | | 26.02 | 3817.70 |
| | 25-Jan-2012 | | | | 25.51 | 3818.21 |
| | 7-Dec-2011 | | | | 25.19 | 3818.53 |
| | 19-Jul-2011 | | | | 23.22 | 3820.50 |
| | 19-Apr-2011 | | | | 23.75 | 3819.97 |
| | 18-Jan-2011 | | | | 23.53 | 3820.19 |
| | 15-Sep-2010 | | | | 21.40 | 3822.32 |
| | 24-Jun-2010 | | | | 22.48 | 3821.24 |
| | 22-Mar-2010 | | | | 22.83 | 3820.89 |
| | 8-Dec-2009 | | | | 23.33 | 3820.39 |
| | 28-Aug-2009 | | | | 22.72 | 3821.00 |
| | 27-May-2009 | | | | 22.92 | 3820.80 |
| | 11-Dec-2008 | | | | 23.11 | 3820.61 |
| | 27-Sep-2008 | | | | 22.62 | 3821.10 |
| | 10-Jun-2008 | | | | 22.72 | 3821.00 |
| | 5-Feb-2008 | | | | 23.64 | 3820.08 |
| | 13-Nov-2007 | | | | 22.87 | 3820.85 |
| | 12-Sep-2007 | | | | 22.94 | 3820.78 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| 624-02 | 3-Aug-2023 | 417335.25 | 1512201.42 | 3835.45 | 21.20 | 3814.25 |
| | 2-May-2023 | | | | 22.32 | 3813.13 |
| | 3-Feb-2023 | | | | 21.96 | 3813.49 |
| | 2-Nov-2022 | | | | 21.20 | 3814.25 |
| | 2-Aug-2022 | | | | 19.69 | 3815.76 |
| | 3-May-2022 | | | | 20.50 | 3814.95 |
| | 8-Feb-2022 | | | | 20.90 | 3814.55 |
| | 2-Nov-2021 | | | | 20.10 | 3815.35 |
| | 5-Aug-2021 | | | | 19.47 | 3815.98 |
| | 4-May-2021 | | | | 19.30 | 3816.15 |
| | 11-Feb-2021 | | | | 18.88 | 3816.57 |
| | 3-Nov-2020 | | | | 17.89 | 3817.56 |
| | 11-Aug-2020 | | | | 18.39 | 3817.06 |
| | 11-May-2020 | | | | 19.89 | 3815.56 |
| | 5-Feb-2020 | | | | 19.00 | 3816.45 |
| | 8-Nov-2019 | | | | 17.77 | 3817.68 |
| | 1-Aug-2019 | | | | 18.65 | 3816.80 |
| | 8-May-2019 | | | | 18.42 | 3817.03 |
| | 19-Feb-2019 | | | | 18.42 | 3817.03 |
| | 12-Nov-2018 | | | | 18.67 | 3816.78 |
| | 6-Aug-2018 | | | | 14.48 | 3820.97 |
| | 14-May-2018 | | | | 19.04 | 3816.41 |
| | 5-Feb-2017 | | | | 19.15 | 3816.30 |
| | 6-Nov-2017 | | | | 18.33 | 3817.12 |
| | 8-Aug-2017 | | | | 18.42 | 3817.03 |
| | 15-May-2017 | | | | 19.94 | 3815.51 |
| | 7-Feb-2017 | | | | 20.87 | 3814.58 |
| | 7-Nov-2016 | | | | 19.47 | 3815.98 |
| | 15-Aug-2016 | | | | 19.06 | 3816.39 |
| | 16-May-2016 | | | | 20.57 | 3814.88 |
| | 9-Feb-2016 | | | | 21.36 | 3814.09 |
| | 5-Nov-2015 | | | | 20.82 | 3814.63 |
| | 5-Aug-2015 | | | | 19.45 | 3816.00 |
| | 6-May-2015 | | | | 19.81 | 3815.64 |
| | 5-Feb-2015 | | | | 20.95 | 3814.50 |
| | 6-Nov-2014 | | | | 19.65 | 3815.80 |
| | 12-Aug-2014 | | | | 19.12 | 3816.33 |
| | 12-May-2014 | | | | 19.00 | 3816.45 |
| | 12-Feb-2014 | | | | 20.00 | 3815.45 |
| | 7-Nov-2013 | | | | 18.60 | 3816.85 |
| | 6-Aug-2013 | | | | 18.83 | 3816.62 |
| | 7-May-2013 | | | | 19.01 | 3816.44 |
| | 7-Feb-2013 | | | | 19.10 | 3816.35 |
| | 24-Oct-2012 | | | | 18.85 | 3816.60 |
| | 30-Jul-2012 | | | | 18.59 | 3816.86 |
| | 23-Apr-2012 | | | | 17.97 | 3817.48 |
| | 24-Jan-2012 | | | | 17.16 | 3818.29 |
| | 7-Dec-2011 | | | | 17.30 | 3818.15 |
| | 19-Jul-2011 | | | | 15.23 | 3820.22 |
| | 19-Apr-2011 | | | | 15.94 | 3819.51 |
| | 17-Jan-2011 | | | | 15.66 | 3819.79 |
| | 20-Sep-2010 | | | | 14.04 | 3821.41 |
| | 24-Jun-2010 | | | | 13.93 | 3821.52 |
| | 22-Mar-2010 | | | | 15.24 | 3820.21 |
| | 8-Dec-2009 | | | | 15.61 | 3819.84 |
| | 28-Aug-2009 | | | | 14.85 | 3820.60 |
| | 27-May-2009 | | | | 15.14 | 3820.31 |
| | 11-Dec-2008 | | | | 15.47 | 3819.98 |
| | 27-Sep-2008 | | | | 14.97 | 3820.48 |
| | 10-Jun-2008 | | | | 14.87 | 3820.58 |
| | 5-Feb-2008 | | | | 16.50 | 3818.95 |
| | 13-Nov-2007 | | | | 15.40 | 3820.05 |
| | 12-Sep-2007 | | | | 14.94 | 3820.51 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| 624-04 | 28-Jan-2020 | 418542.24 | 1508104.07 | 3835.69 | Plugged and Abandoned | |
| | 8-Nov-2019 | | | | Dry | |
| | 1-Aug-2019 | | | | Dry | |
| | 8-May-2019 | | | | Dry | |
| | 19-Feb-2019 | | | | Dry | |
| | 12-Nov-2018 | | | | Dry | |
| | 6-Aug-2018 | | | | Dry | |
| | 14-May-2018 | | | | Dry | |
| | 5-Feb-2017 | | | | Dry | |
| | 6-Nov-2017 | | | | Dry | |
| | 7-Aug-2017 | | | | Dry | |
| | 15-May-2017 | | | | Dry | |
| | 7-Feb-2017 | | | | Dry | |
| | 7-Nov-2016 | | | | Dry | |
| | 15-Aug-2016 | | | | Dry | |
| | 16-May-2016 | | | | Dry | |
| | 9-Feb-2016 | | | | Dry | |
| | 5-Nov-2015 | | | | Dry | |
| | 5-Aug-2015 | | | | Dry | |
| | 6-May-2015 | | | | Dry | |
| | 5-Feb-2015 | | | | Dry | |
| | 6-Nov-2014 | | | | Dry | |
| | 12-Aug-2014 | | | | Dry | |
| | 12-May-2014 | | | | Dry | |
| | 12-Feb-2014 | | | | Dry | |
| | 7-Nov-2013 | | | | Dry | |
| | 6-Aug-2013 | | | | Dry | |
| | 7-May-2013 | | | | Dry | |
| | 7-Feb-2013 | | | | Dry | |
| | 24-Oct-2012 | | | | Dry | |
| | 30-Jul-2012 | | | | Dry | |
| | 23-Apr-2012 | | | | Dry | |
| | 25-Jan-2012 | | | | Dry | |
| | 8-Dec-2011 | | | | Dry | |
| | 19-Jul-2011 | | | | 15.39 | 3820.30 |
| | 19-Apr-2011 | | | | 13.66 | 3822.03 |
| | 18-Jan-2011 | | | | 13.99 | 3821.70 |
| | 15-Sep-2010 | | | | 11.43 | 3824.26 |
| | 24-Jun-2010 | | | | 13.49 | 3822.20 |
| | 22-Mar-2010 | | | | 14.83 | 3820.86 |
| | 8-Dec-2009 | | | | 13.48 | 3822.21 |
| | 28-Aug-2009 | | | | 12.49 | 3823.20 |
| | 26-May-2009 | | | | 12.89 | 3822.80 |
| | 11-Dec-2008 | | | | 12.99 | 3822.70 |
| | 27-Sep-2008 | | | | 12.31 | 3823.38 |
| | 10-Jun-2008 | | | | 14.45 | 3821.24 |
| | 5-Feb-2008 | | | | 14.13 | 3821.56 |
| | 13-Nov-2007 | | | | 13.60 | 3822.09 |
| | 12-Sep-2007 | | | | 14.83 | 3820.86 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| 624-05 | 28-Jan-2020 | 419777.52 | 1509829.65 | 3835.27 | Plugged and Abandoned | |
| | 8-Nov-2019 | | | | 15.87 | 3819.40 |
| | 1-Aug-2019 | | | | 16.00 | 3819.27 |
| | 8-May-2019 | | | | 16.60 | 3818.67 |
| | 19-Feb-2019 | | | | 16.81 | 3818.46 |
| | 12-Nov-2018 | | | | Dry | |
| | 6-Aug-2018 | | | | Dry | |
| | 14-May-2018 | | | | Dry | |
| | 5-Feb-2017 | | | | Dry | |
| | 6-Nov-2017 | | | | Dry | |
| | 7-Aug-2017 | | | | Dry | |
| | 15-May-2017 | | | | Dry | |
| | 7-Feb-2017 | | | | Dry | |
| | 7-Nov-2016 | | | | Dry | |
| | 15-Aug-2016 | | | | Dry | |
| | 16-May-2016 | | | | Dry | |
| | 9-Feb-2016 | | | | Dry | |
| | 5-Nov-2015 | | | | Dry | |
| | 5-Aug-2015 | | | | Dry | |
| | 6-May-2015 | | | | Dry | |
| | 5-Feb-2015 | | | | Dry | |
| | 6-Nov-2014 | | | | Dry | |
| | 12-Aug-2014 | | | | Dry | |
| | 12-May-2014 | | | | Dry | |
| | 12-Feb-2014 | | | | Dry | |
| | 7-Nov-2013 | | | | Dry | |
| | 6-Aug-2013 | | | | Dry | |
| | 7-May-2013 | | | | Dry | |
| | 7-Feb-2013 | | | | 16.72 | 3818.55 |
| | 24-Oct-2012 | | | | 16.35 | 3818.92 |
| | 30-Jul-2012 | | | | 15.89 | 3819.38 |
| | 23-Apr-2012 | | | | 15.90 | 3819.37 |
| | 25-Jan-2012 | | | | 15.81 | 3819.46 |
| | 7-Dec-2011 | | | | 15.25 | 3820.02 |
| | 3-Aug-2011 | | | | 13.38 | 3821.89 |
| | 19-Apr-2011 | | | | 13.86 | 3821.41 |
| | 18-Jan-2011 | | | | 13.11 | 3822.16 |
| | 15-Sep-2010 | | | | 12.01 | 3823.26 |
| | 24-Jun-2010 | | | | 12.71 | 3822.56 |
| | 22-Mar-2010 | | | | 13.21 | 3822.06 |
| | 8-Dec-2009 | | | | 12.54 | 3822.73 |
| | 28-Aug-2009 | | | | 12.03 | 3823.24 |
| | 26-May-2009 | | | | 12.58 | 3822.69 |
| | 11-Dec-2008 | | | | 12.82 | 3822.45 |
| | 27-Sep-2008 | | | | 11.97 | 3823.30 |
| | 10-Jun-2008 | | | | 13.19 | 3822.08 |
| | 5-Feb-2008 | | | | 13.44 | 3821.83 |
| | 13-Nov-2007 | | | | 13.01 | 3822.26 |
| | 12-Sep-2007 | | | | 13.31 | 3821.96 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| 624-06 | 28-Jan-2020 | 418502.42 | 1513981.08 | 3868.18 | Plugged and Abandoned | |
| | 8-Nov-2019 | | | | Dry | |
| | 1-Aug-2019 | | | | Dry | |
| | 8-May-2019 | | | | Dry | |
| | 19-Feb-2019 | | | | Dry | |
| | 12-Nov-2018 | | | | Dry | |
| | 6-Aug-2018 | | | | Dry | |
| | 14-May-2018 | | | | Dry | |
| | 5-Feb-2017 | | | | Dry | |
| | 6-Nov-2017 | | | | Dry | |
| | 7-Aug-2017 | | | | Dry | |
| | 15-May-2017 | | | | Dry | |
| | 7-Feb-2017 | | | | Dry | |
| | 7-Nov-2016 | | | | Dry | |
| | 15-Aug-2016 | | | | Dry | |
| | 16-May-2016 | | | | Dry | |
| | 9-Feb-2016 | | | | Dry | |
| | 5-Nov-2015 | | | | Dry | |
| | 5-Aug-2015 | | | | Dry | |
| | 6-May-2015 | | | | Dry | |
| | 5-Feb-2015 | | | | Dry | |
| | 6-Nov-2014 | | | | Dry | |
| | 12-Aug-2014 | | | | Dry | |
| | 12-May-2014 | | | | Dry | |
| | 12-Feb-2014 | | | | Dry | |
| | 7-Nov-2013 | | | | Dry | |
| | 6-Aug-2013 | | | | Dry | |
| | 7-May-2013 | | | | Dry | |
| | 7-Feb-2013 | | | | 51.84 | 3816.34 |
| | 24-Oct-2012 | | | | 51.99 | 3816.19 |
| | 30-Jul-2012 | | | | 51.30 | 3816.88 |
| | 23-Apr-2012 | | | | 51.83 | 3816.35 |
| | 25-Jan-2012 | | | | 51.80 | 3816.38 |
| | 13-Dec-2011 | | | | 50.89 | 3817.29 |
| | 19-Jul-2011 | | | | 50.43 | 3817.75 |
| | 19-Apr-2011 | | | | 49.79 | 3818.39 |
| | 18-Jan-2011 | | | | 49.31 | 3818.87 |
| | 21-Sep-2010 | | | | 48.73 | 3819.45 |
| | 24-Jun-2010 | | | | 50.33 | 3817.85 |
| | 22-Mar-2010 | | | | 49.62 | 3818.56 |
| | 8-Dec-2009 | | | | 48.96 | 3819.22 |
| | 28-Aug-2009 | | | | 48.87 | 3819.31 |
| | 26-May-2009 | | | | 49.14 | 3819.04 |
| | 11-Dec-2008 | | | | 48.89 | 3819.29 |
| | 27-Sep-2008 | | | | 48.71 | 3819.47 |
| | 10-Jun-2008 | | | | 49.67 | 3818.51 |
| | 5-Feb-2008 | | | | 49.11 | 3819.07 |
| | 13-Nov-2007 | | | | 48.94 | 3819.24 |
| | 12-Sep-2007 | | | | 49.17 | 3819.01 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| 624-07 | 28-Jan-2020 | 418012.23 | 1514707.77 | 3872.25 | Plugged and Abandoned | |
| | 8-Nov-2019 | | | | Dry | |
| | 1-Aug-2019 | | | | Dry | |
| | 8-May-2019 | | | | Dry | |
| | 19-Feb-2019 | | | | Dry | |
| | 12-Nov-2018 | | | | Dry | |
| | 6-Aug-2018 | | | | Dry | |
| | 14-May-2018 | | | | Dry | |
| | 5-Feb-2017 | | | | Dry | |
| | 6-Nov-2017 | | | | Dry | |
| | 7-Aug-2017 | | | | 55.68 | 3816.57 |
| | 15-May-2017 | | | | 55.66 | 3816.59 |
| | 7-Feb-2017 | | | | 55.67 | 3816.58 |
| | 7-Nov-2016 | | | | 55.65 | 3816.60 |
| | 15-Aug-2016 | | | | 55.60 | 3816.65 |
| | 20-May-2016 | | | | 55.66 | 3816.59 |
| | 9-Feb-2016 | | | | Dry | |
| | 5-Nov-2015 | | | | 55.60 | 3816.65 |
| | 5-Aug-2015 | | | | 55.56 | 3816.69 |
| | 6-May-2015 | | | | 55.57 | 3816.68 |
| | 5-Feb-2015 | | | | 55.53 | 3816.72 |
| | 6-Nov-2014 | | | | 55.57 | 3816.68 |
| | 12-Aug-2014 | | | | 55.68 | 3816.57 |
| | 12-May-2014 | | | | 55.61 | 3816.64 |
| | 12-Feb-2014 | | | | 55.62 | 3816.63 |
| | 7-Nov-2013 | | | | Dry | |
| | 6-Aug-2013 | | | | Dry | |
| | 7-May-2013 | | | | Dry | |
| | 7-Feb-2013 | | | | Dry | |
| | 24-Oct-2012 | | | | 55.58 | 3816.67 |
| | 30-Jul-2012 | | | | 55.47 | 3816.78 |
| | 23-Apr-2012 | | | | Dry | |
| | 25-Jan-2012 | | | | 55.50 | 3816.75 |
| | 13-Dec-2011 | | | | 55.46 | 3816.79 |
| | 19-Jul-2011 | | | | 54.55 | 3817.70 |
| | 19-Apr-2011 | | | | 54.64 | 3817.61 |
| | 18-Jan-2011 | | | | 53.91 | 3818.34 |
| | 15-Sep-2010 | | | | 52.30 | 3819.95 |
| | 24-Jun-2010 | | | | 55.27 | 3816.98 |
| | 22-Mar-2010 | | | | 54.21 | 3818.04 |
| | 8-Dec-2009 | | | | 53.32 | 3818.93 |
| | 28-Aug-2009 | | | | 53.22 | 3819.03 |
| | 26-May-2009 | | | | 53.76 | 3818.49 |
| | 11-Dec-2008 | | | | 53.59 | 3818.66 |
| | 27-Sep-2008 | | | | 53.35 | 3818.90 |
| | 10-Jun-2008 | | | | 54.34 | 3817.91 |
| | 5-Feb-2008 | | | | 53.81 | 3818.44 |
| | 13-Nov-2007 | | | | 53.26 | 3818.99 |
| | 12-Sep-2007 | | | | 53.03 | 3819.22 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| 624-08 | 28-Jan-2020 | 421461.78 | 1507712.04 | 3838.70 | Plugged and Abandoned | |
| | 8-Nov-2019 | | | | Dry | |
| | 1-Aug-2019 | | | | Dry | |
| | 8-May-2019 | | | | Dry | |
| | 19-Feb-2019 | | | | Dry | |
| | 12-Nov-2018 | | | | Dry | |
| | 6-Aug-2018 | | | | Dry | |
| | 14-May-2018 | | | | Dry | |
| | 5-Feb-2017 | | | | Dry | |
| | 6-Nov-2017 | | | | Dry | |
| | 7-Aug-2017 | | | | Dry | |
| | 15-May-2017 | | | | Dry | |
| | 7-Feb-2017 | | | | Dry | |
| | 7-Nov-2016 | | | | Dry | |
| | 15-Aug-2016 | | | | Dry | |
| | 16-May-2016 | | | | Dry | |
| | 9-Feb-2016 | | | | Dry | |
| | 5-Nov-2015 | | | | Dry | |
| | 5-Aug-2015 | | | | Dry | |
| | 6-May-2015 | | | | Dry | |
| | 5-Feb-2015 | | | | Dry | |
| | 6-Nov-2014 | | | | Dry | |
| | 12-Aug-2014 | | | | Dry | |
| | 12-May-2014 | | | | Dry | |
| | 12-Feb-2014 | | | | Dry | |
| | 7-Nov-2013 | | | | Dry | |
| | 6-Aug-2013 | | | | Dry | |
| | 7-May-2013 | | | | Dry | |
| | 7-Feb-2013 | | | | Dry | |
| | 24-Oct-2012 | | | | Dry | |
| | 30-Jul-2012 | | | | Dry | |
| | 23-Apr-2012 | | | | Dry | |
| | 25-Jan-2012 | | | | Dry | |
| | 8-Dec-2011 | | | | Dry | |
| | 3-Aug-2011 | | | | Dry | |
| | 18-Apr-2011 | | | | 17.72 | 3820.98 |
| | 18-Jan-2011 | | | | 16.03 | 3822.67 |
| | 14-Sep-2010 | | | | 14.83 | 3823.87 |
| | 24-Jun-2010 | | | | 16.44 | 3822.26 |
| | 22-Mar-2010 | | | | 16.42 | 3822.28 |
| | 8-Dec-2009 | | | | 16.02 | 3822.68 |
| | 28-Aug-2009 | | | | 15.20 | 3823.50 |
| | 26-May-2009 | | | | 15.54 | 3823.16 |
| | 11-Dec-2008 | | | | 14.96 | 3823.74 |
| | 27-Sep-2008 | | | | 14.84 | 3823.86 |
| | 10-Jun-2008 | | | | 16.12 | 3822.58 |
| | 5-Feb-2008 | | | | 15.37 | 3823.33 |
| | 13-Nov-2007 | | | | 14.71 | 3823.99 |
| | 12-Sep-2007 | | | | 15.33 | 3823.37 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| 624-09 | 3-Aug-2023 | 421471.18 | 1503801.31 | 3838.25 | 25.31 | 3812.94 |
| | 1-May-2023 | | | | 25.20 | 3813.05 |
| | 3-Feb-2023 | | | | 23.87 | 3814.38 |
| | 2-Nov-2022 | | | | 24.15 | 3814.10 |
| | 2-Aug-2022 | | | | 23.47 | 3814.78 |
| | 3-May-2022 | | | | 22.69 | 3815.56 |
| | 8-Feb-2022 | | | | 21.87 | 3816.38 |
| | 4-Nov-2021 | | | | 22.31 | 3815.94 |
| | 5-Aug-2021 | | | | 22.43 | 3815.82 |
| | 4-May-2021 | | | | 18.39 | 3819.86 |
| | 11-Feb-2021 | | | | 17.42 | 3820.83 |
| | 3-Nov-2020 | | | | 17.02 | 3821.23 |
| | 11-Aug-2020 | | | | 17.20 | 3821.05 |
| | 11-May-2020 | | | | 18.85 | 3819.40 |
| | 12-Feb-2020 | | | | 17.35 | 3820.90 |
| 624-10 | 3-Aug-2023 | 421500.79 | 1507673.92 | 3839.50 | 26.44 | 3813.06 |
| | 1-May-2023 | | | | 25.71 | 3813.79 |
| | 3-Feb-2023 | | | | 24.83 | 3814.67 |
| | 2-Nov-2022 | | | | 24.02 | 3815.48 |
| | 2-Aug-2022 | | | | 23.40 | 3816.10 |
| | 3-May-2022 | | | | 22.89 | 3816.61 |
| | 8-Feb-2022 | | | | 22.00 | 3817.50 |
| | 4-Nov-2021 | | | | 21.06 | 3818.44 |
| | 5-Aug-2021 | | | | 20.32 | 3819.18 |
| | 4-May-2021 | | | | 22.80 | 3816.70 |
| | 11-Feb-2021 | | | | 21.32 | 3818.18 |
| | 3-Nov-2020 | | | | 21.22 | 3818.28 |
| | 11-Aug-2020 | | | | 21.63 | 3817.87 |
| | 11-May-2020 | | | | 22.98 | 3816.52 |
| | 12-Feb-2020 | | | | 21.34 | 3818.16 |
| 624-11 | 3-Aug-2023 | 418501.93 | 1514076.76 | 3867.13 | 55.63 | 3811.50 |
| | 2-May-2023 | | | | 56.12 | 3811.01 |
| | 3-Feb-2023 | | | | 55.27 | 3811.86 |
| | 2-Nov-2022 | | | | 55.45 | 3811.68 |
| | 2-Aug-2022 | | | | 55.10 | 3812.03 |
| | 3-May-2022 | | | | 54.61 | 3812.52 |
| | 8-Feb-2022 | | | | 54.20 | 3812.93 |
| | 4-Nov-2021 | | | | 54.16 | 3812.97 |
| | 5-Aug-2021 | | | | 54.17 | 3812.96 |
| | 4-May-2021 | | | | 54.05 | 3813.08 |
| | 11-Feb-2021 | | | | 53.34 | 3813.79 |
| | 3-Nov-2020 | | | | 53.08 | 3814.05 |
| | 11-Aug-2020 | | | | 53.52 | 3813.61 |
| | 11-May-2020 | | | | 54.10 | 3813.03 |
| | 12-Feb-2020 | | | | 53.35 | 3813.78 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| **Gonzalez Dairy** | | | | | | |
| 177-01 | 11-May-2020 | 417300.94 | 1512942.63 | 3834.27 | 18.60 | 3815.67 |
| | 5-Feb-2020 | | | | 18.96 | 3815.31 |
| | 8-Nov-2019 | | | | 17.55 | 3816.72 |
| | 1-Aug-2019 | | | | 18.86 | 3815.41 |
| | 8-May-2019 | | | | 18.60 | 3815.67 |
| | 19-Feb-2019 | | | | 19.14 | 3815.13 |
| | 12-Nov-2018 | | | | 18.40 | 3815.87 |
| | 6-Aug-2018 | | | | 16.00 | 3818.27 |
| | 17-May-2018 | | | | 19.18 | 3815.09 |
| | 5-Feb-2018 | | | | 18.80 | 3815.47 |
| | 6-Nov-2017 | | | | 18.32 | 3815.95 |
| | 8-Aug-2017 | | | | 18.57 | 3815.70 |
| | 15-May-2017 | | | | 19.76 | 3814.51 |
| | 7-Feb-2017 | | | | 20.20 | 3814.07 |
| | 7-Nov-2016 | | | | 19.25 | 3815.02 |
| | 15-Aug-2016 | | | | 18.95 | 3815.32 |
| | 16-May-2016 | | | | 20.48 | 3813.79 |
| | 9-Feb-2016 | | | | 20.66 | 3813.61 |
| | 5-Nov-2015 | | | | 20.22 | 3814.05 |
| | 13-Aug-2015 | | | | 19.21 | 3815.06 |
| | 6-May-2015 | | | | 19.40 | 3814.87 |
| | 6-Feb-2015 | | | | 20.14 | 3814.13 |
| | 10-Nov-2014 | | | | 19.12 | 3815.15 |
| | 13-Aug-2014 | | | | 17.33 | 3816.94 |
| | 13-May-2014 | | | | 18.53 | 3815.74 |
| | 12-Feb-2014 | | | | 19.05 | 3815.22 |
| | 7-Nov-2013 | | | | 17.97 | 3816.30 |
| | 6-Aug-2013 | | | | 17.01 | 3817.26 |
| | 7-May-2013 | | | | 17.81 | 3816.46 |
| | 7-Feb-2013 | | | | 17.77 | 3816.50 |
| | 25-Oct-2012 | | | | 15.91 | 3818.36 |
| | 30-Jul-2012 | | | | 14.88 | 3819.39 |
| | 23-Apr-2012 | | | | 16.32 | 3817.95 |
| | 26-Jan-2012 | | | | 16.71 | 3817.56 |
| | 7-Dec-2011 | | | | 16.36 | 3817.91 |
| | 19-Jul-2011 | | | | 14.64 | 3819.63 |
| | 19-Apr-2011 | | | | 14.84 | 3819.43 |
| | 17-Jan-2011 | | | | 14.43 | 3819.84 |
| | 15-Sep-2010 | | | | 13.30 | 3820.97 |
| | 23-Jun-2010 | | | | 14.11 | 3820.16 |
| | 22-Mar-2010 | | | | 14.75 | 3819.52 |
| | 8-Dec-2009 | | | | 14.68 | 3819.59 |
| | 28-Aug-2009 | | | | 14.16 | 3820.11 |
| | 26-May-2009 | | | | 14.35 | 3819.92 |
| | 10-Dec-2008 | | | | 14.64 | 3819.63 |
| | 27-Sep-2008 | | | | 14.21 | 3820.06 |
| | 10-Jun-2008 | | | | 14.50 | 3819.77 |
| | 6-Feb-2008 | | | | 15.06 | 3819.21 |
| | 13-Nov-2007 | | | | 14.53 | 3819.74 |
| | 13-Sep-2007 | | | | 14.03 | 3820.24 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| 177-02 | 11-May-2020 | 416738.21 | 1513246.51 | 3834.66 | 19.56 | 3815.10 |
| | 5-Feb-2020 | | | | 19.40 | 3815.26 |
| | 8-Nov-2019 | | | | 19.02 | 3815.64 |
| | 1-Aug-2019 | | | | 19.38 | 3815.28 |
| | 8-May-2019 | | | | 19.50 | 3815.16 |
| | 19-Feb-2019 | | | | 19.58 | 3815.08 |
| | 12-Nov-2018 | | | | 19.20 | 3815.46 |
| | 6-Aug-2018 | | | | 17.05 | 3817.61 |
| | 17-May-2018 | | | | 20.00 | 3814.66 |
| | 5-Feb-2018 | | | | 19.45 | 3815.21 |
| | 6-Nov-2017 | | | | 19.05 | 3815.61 |
| | 8-Aug-2017 | | | | 19.17 | 3815.49 |
| | 15-May-2017 | | | | 20.63 | 3814.03 |
| | 7-Feb-2017 | | | | 20.91 | 3813.75 |
| | 7-Nov-2016 | | | | 19.95 | 3814.71 |
| | 15-Aug-2016 | | | | 19.50 | 3815.16 |
| | 16-May-2016 | | | | 21.35 | 3813.31 |
| | 9-Feb-2016 | | | | 21.33 | 3813.33 |
| | 5-Nov-2015 | | | | 20.88 | 3813.78 |
| | 5-Aug-2015 | | | | 19.91 | 3814.75 |
| | 6-May-2015 | | | | 20.13 | 3814.53 |
| | 6-Feb-2015 | | | | 20.75 | 3813.91 |
| | 10-Nov-2014 | | | | 19.80 | 3814.86 |
| | 13-Aug-2014 | | | | 18.21 | 3816.45 |
| | 13-May-2014 | | | | 19.24 | 3815.42 |
| | 12-Feb-2014 | | | | 19.72 | 3814.94 |
| | 7-Nov-2013 | | | | 18.66 | 3816.00 |
| | 6-Aug-2013 | | | | 18.30 | 3816.36 |
| | 7-May-2013 | | | | 18.69 | 3815.97 |
| | 7-Feb-2013 | | | | 18.50 | 3816.16 |
| | 25-Oct-2012 | | | | 17.35 | 3817.31 |
| | 30-Jul-2012 | | | | 17.80 | 3816.86 |
| | 24-Jan-2012 | | | | 17.61 | 3817.05 |
| | 7-Dec-2011 | | | | 16.92 | 3817.74 |
| | 19-Jul-2011 | | | | 15.41 | 3819.25 |
| | 19-Apr-2011 | | | | 15.47 | 3819.19 |
| | 17-Jan-2011 | | | | 14.94 | 3819.72 |
| | 15-Sep-2010 | | | | 14.23 | 3820.43 |
| | 23-Jun-2010 | | | | 14.86 | 3819.80 |
| | 22-Mar-2010 | | | | 15.59 | 3819.07 |
| | 8-Dec-2009 | | | | 15.29 | 3819.37 |
| | 28-Aug-2009 | | | | 14.90 | 3819.76 |
| | 26-May-2009 | | | | 15.09 | 3819.57 |
| | 10-Dec-2008 | | | | 15.37 | 3819.29 |
| | 27-Sep-2008 | | | | 14.95 | 3819.71 |
| | 10-Jun-2008 | | | | 15.41 | 3819.25 |
| | 6-Feb-2008 | | | | 15.74 | 3818.92 |
| | 13-Nov-2007 | | | | 15.39 | 3819.27 |
| | 13-Sep-2007 | | | | 14.72 | 3819.94 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| 177-03A | 11-May-2020 | 416206.71 | 1513777.17 | 3835.75 | 21.76 | 3813.99 |
| | 5-Feb-2020 | | | | 21.30 | 3814.45 |
| | 8-Nov-2019 | | | | 20.86 | 3814.89 |
| | 1-Aug-2019 | | | | 21.35 | 3814.40 |
| | 8-May-2019 | | | | 21.70 | 3814.05 |
| | 19-Feb-2019 | | | | 21.10 | 3814.65 |
| | 12-Nov-2018 | | | | 21.20 | 3814.55 |
| | 6-Aug-2018 | | | | 20.54 | 3815.21 |
| | 17-May-2018 | | | | 21.90 | 3813.85 |
| | 5-Feb-2018 | | | | 21.15 | 3814.60 |
| | 6-Nov-2017 | | | | 20.89 | 3814.86 |
| | 8-Aug-2017 | | | | 21.23 | 3814.52 |
| | 15-May-2017 | | | | 22.55 | 3813.20 |
| | 7-Feb-2017 | | | | 22.52 | 3813.23 |
| | 7-Nov-2016 | | | | 21.97 | 3813.78 |
| | 15-Aug-2016 | | | | 21.90 | 3813.85 |
| | 16-May-2016 | | | | 23.26 | 3812.49 |
| | 9-Feb-2016 | | | | 22.91 | 3812.84 |
| | 5-Nov-2015 | | | | 22.68 | 3813.07 |
| | 5-Aug-2015 | | | | 22.05 | 3813.70 |
| | 6-May-2015 | | | | 22.26 | 3813.49 |
| | 6-Feb-2015 | | | | 22.30 | 3813.45 |
| | 10-Nov-2014 | | | | 21.61 | 3814.14 |
| | 13-Aug-2014 | | | | 20.51 | 3815.24 |
| | 12-May-2014 | | | | 21.60 | 3814.15 |
| | 12-Feb-2014 | | | | 21.41 | 3814.34 |
| | 7-Nov-2013 | | | | 20.29 | 3815.46 |
| | 6-Aug-2013 | | | | 19.99 | 3815.76 |
| | 7-May-2013 | | | | 20.53 | 3815.22 |
| | 7-Feb-2013 | | | | 20.01 | 3815.74 |
| | 25-Oct-2012 | | | | 19.18 | 3816.57 |
| | 30-Jul-2012 | | | | 18.24 | 3817.51 |
| | 24-Apr-2012 | | | | 18.57 | 3817.18 |
| | 24-Jan-2012 | | | | 18.63 | 3817.12 |
| | 13-Dec-2011 | | | | 18.51 | 3817.24 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| 177-04 | 12-May-2020 | 416796.99 | 1513733.28 | 3840.33 | 25.90 | 3814.43 |
| | 5-Feb-2020 | | | | 25.10 | 3815.23 |
| | 8-Nov-2019 | | | | 24.89 | 3815.44 |
| | 1-Aug-2019 | | | | 25.88 | 3814.45 |
| | 8-May-2019 | | | | 25.81 | 3814.52 |
| | 19-Feb-2019 | | | | 24.75 | 3815.58 |
| | 12-Nov-2018 | | | | 24.35 | 3815.98 |
| | 6-Aug-2018 | | | | 24.29 | 3816.04 |
| | 17-May-2018 | | | | 26.17 | 3814.16 |
| | 5-Feb-2018 | | | | 25.52 | 3814.81 |
| | 6-Nov-2017 | | | | 25.30 | 3815.03 |
| | 16-Aug-2017 | | | | 25.27 | 3815.06 |
| | 15-May-2017 | | | | 26.80 | 3813.53 |
| | 7-Feb-2017 | | | | 26.85 | 3813.48 |
| | 7-Nov-2016 | | | | 26.21 | 3814.12 |
| | 15-Aug-2016 | | | | 26.13 | 3814.20 |
| | 16-May-2016 | | | | 27.45 | 3812.88 |
| | 9-Feb-2016 | | | | 27.84 | 3812.49 |
| | 5-Nov-2015 | | | | 26.89 | 3813.44 |
| | 5-Aug-2015 | | | | 26.25 | 3814.08 |
| | 6-May-2015 | | | | 26.49 | 3813.84 |
| | 6-Feb-2015 | | | | 26.58 | 3813.75 |
| | 10-Nov-2014 | | | | 25.75 | 3814.58 |
| | 13-Aug-2014 | | | | 24.52 | 3815.81 |
| | 13-May-2014 | | | | 25.46 | 3814.87 |
| | 12-Feb-2014 | | | | 25.62 | 3814.71 |
| | 7-Nov-2013 | | | | 24.75 | 3815.58 |
| | 6-Aug-2013 | | | | 24.12 | 3816.21 |
| | 7-May-2013 | | | | 24.67 | 3815.66 |
| | 7-Feb-2013 | | | | 24.29 | 3816.04 |
| | 25-Oct-2012 | | | | 23.49 | 3816.84 |
| | 30-Jul-2012 | | | | 22.68 | 3817.65 |
| | 24-Apr-2012 | | | | 23.36 | 3816.97 |
| | 24-Jan-2012 | | | | 22.47 | 3817.86 |
| | 7-Dec-2011 | | | | 22.97 | 3817.36 |
| | 19-Jul-2011 | | | | 21.66 | 3818.67 |
| | 19-Apr-2011 | | | | 21.41 | 3818.92 |
| | 17-Jan-2011 | | | | 21.22 | 3819.11 |
| | 15-Sep-2010 | | | | 20.36 | 3819.97 |
| | 23-Jun-2010 | | | | 21.05 | 3819.28 |
| | 22-Mar-2010 | | | | 21.71 | 3818.62 |
| | 8-Dec-2009 | | | | 21.14 | 3819.19 |
| | 28-Aug-2009 | | | | 20.86 | 3819.47 |
| | 27-May-2009 | | | | 21.13 | 3819.20 |
| | 10-Dec-2008 | | | | 21.37 | 3818.96 |
| | 27-Sep-2008 | | | | 20.86 | 3819.47 |
| | 10-Jun-2008 | | | | 21.63 | 3818.70 |
| | 6-Feb-2008 | | | | 21.59 | 3818.74 |
| | 13-Nov-2007 | | | | 21.30 | 3819.03 |
| | 13-Sep-2007 | | | | 20.84 | 3819.49 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| 177-05 | 12-May-2020 | 417302.42 | 1514116.55 | 3852.16 | 38.40 | 3813.76 |
| | 5-Feb-2020 | | | | 38.02 | 3814.14 |
| | 8-Nov-2019 | | | | 37.30 | 3814.86 |
| | 1-Aug-2019 | | | | 38.59 | 3813.57 |
| | 8-May-2019 | | | | 38.30 | 3813.86 |
| | 19-Feb-2019 | | | | 38.20 | 3813.96 |
| | 12-Nov-2018 | | | | 37.63 | 3814.53 |
| | 6-Aug-2018 | | | | 37.30 | 3814.86 |
| | 17-May-2018 | | | | 38.60 | 3813.56 |
| | 5-Feb-2018 | | | | 37.80 | 3814.36 |
| | 6-Nov-2017 | | | | 37.78 | 3814.38 |
| | 8-Aug-2017 | | | | 38.26 | 3813.90 |
| | 15-May-2017 | | | | 39.16 | 3813.00 |
| | 7-Feb-2017 | | | | 38.95 | 3813.21 |
| | 7-Nov-2016 | | | | 38.58 | 3813.58 |
| | 15-Aug-2016 | | | | 38.84 | 3813.32 |
| | 16-May-2016 | | | | 39.71 | 3812.45 |
| | 9-Feb-2016 | | | | 39.25 | 3812.91 |
| | 5-Nov-2015 | | | | 38.90 | 3813.26 |
| | 5-Aug-2015 | | | | 38.65 | 3813.51 |
| | 6-May-2015 | | | | 38.97 | 3813.19 |
| | 6-Feb-2015 | | | | 38.48 | 3813.68 |
| | 10-Nov-2014 | | | | 37.80 | 3814.36 |
| | 13-Aug-2014 | | | | 36.70 | 3815.46 |
| | 13-May-2014 | | | | 37.60 | 3814.56 |
| | 12-Feb-2014 | | | | 37.51 | 3814.65 |
| | 6-Nov-2013 | | | | 36.95 | 3815.21 |
| | 6-Aug-2013 | | | | 36.02 | 3816.14 |
| | 7-May-2013 | | | | 36.74 | 3815.42 |
| | 7-Feb-2013 | | | | 36.21 | 3815.95 |
| | 25-Oct-2012 | | | | 35.72 | 3816.44 |
| | 30-Jul-2012 | | | | 36.39 | 3815.77 |
| | 24-Apr-2012 | | | | 36.04 | 3816.12 |
| | 24-Jan-2012 | | | | 35.02 | 3817.14 |
| | 7-Dec-2011 | | | | 35.19 | 3816.97 |
| | 19-Jul-2011 | | | | 34.07 | 3818.09 |
| | 19-Apr-2011 | | | | 32.91 | 3819.25 |
| | 17-Jan-2011 | | | | 33.72 | 3818.44 |
| | 15-Sep-2010 | | | | 32.68 | 3819.48 |
| | 23-Jun-2010 | | | | 33.59 | 3818.57 |
| | 22-Mar-2010 | | | | 34.10 | 3818.06 |
| | 8-Dec-2009 | | | | 33.22 | 3818.94 |
| | 28-Aug-2009 | | | | 32.95 | 3819.21 |
| | 26-May-2009 | | | | 33.26 | 3818.90 |
| | 10-Dec-2008 | | | | 33.60 | 3818.56 |
| | 27-Sep-2008 | | | | 32.95 | 3819.21 |
| | 10-Jun-2008 | | | | 33.96 | 3818.20 |
| | 6-Feb-2008 | | | | 33.58 | 3818.58 |
| | 13-Nov-2007 | | | | 33.27 | 3818.89 |
| | 13-Sep-2007 | | | | 33.12 | 3819.04 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| 177-06 | 12-May-2020 | 417301.84 | 1514765.63 | 3866.02 | Dry | |
| | 5-Feb-2020 | | | | Dry | |
| | 8-Nov-2019 | | | | Dry | |
| | 1-Aug-2019 | | | | Dry | |
| | 8-May-2019 | | | | Dry | |
| | 19-Feb-2019 | | | | Dry | |
| | 12-Nov-2018 | | | | Dry | |
| | 6-Aug-2018 | | | | Dry | |
| | 17-May-2018 | | | | Dry | |
| | 5-Feb-2018 | | | | Dry | |
| | 6-Nov-2017 | | | | Dry | |
| | 8-Aug-2017 | | | | Dry | |
| | 15-May-2017 | | | | Dry | |
| | 7-Feb-2017 | | | | Dry | |
| | 7-Nov-2016 | | | | Dry | |
| | 15-Aug-2016 | | | | Dry | |
| | 16-May-2016 | | | | Dry | |
| | 9-Feb-2016 | | | | Dry | |
| | 5-Nov-2015 | | | | Dry | |
| | 5-Aug-2015 | | | | Dry | |
| | 6-May-2015 | | | | Dry | |
| | 6-Feb-2015 | | | | Dry | |
| | 5-Nov-2014 | | | | Dry | |
| | 13-Aug-2014 | | | | Dry | |
| | 12-May-2014 | | | | Dry | |
| | 12-Feb-2014 | | | | Dry | |
| | 7-Nov-2013 | | | | 51.65 | 3814.37 |
| | 6-Aug-2013 | | | | 51.11 | 3814.91 |
| | 7-May-2013 | | | | 51.50 | 3814.52 |
| | 7-Feb-2013 | | | | 50.43 | 3815.59 |
| | 25-Oct-2012 | | | | 50.81 | 3815.21 |
| | 30-Jul-2012 | | | | 51.09 | 3814.93 |
| | 24-Apr-2012 | | | | Dry | |
| | 24-Jan-2012 | | | | 49.40 | 3816.62 |
| | 7-Dec-2011 | | | | 49.85 | 3816.17 |
| | 19-Jul-2011 | | | | 49.31 | 3816.71 |
| | 19-Apr-2011 | | | | 48.92 | 3817.10 |
| | 17-Jan-2011 | | | | 48.18 | 3817.84 |
| | 15-Sep-2010 | | | | 47.64 | 3818.38 |
| | 23-Jun-2010 | | | | 48.79 | 3817.23 |
| | 22-Mar-2010 | | | | 49.12 | 3816.90 |
| | 8-Dec-2009 | | | | 47.60 | 3818.42 |
| | 28-Aug-2009 | | | | 47.53 | 3818.49 |
| | 26-May-2009 | | | | 48.03 | 3817.99 |
| | 10-Dec-2008 | | | | 48.72 | 3817.30 |
| | 27-Sep-2008 | | | | 47.52 | 3818.50 |
| | 10-Jun-2008 | | | | 49.31 | 3816.71 |
| | 6-Feb-2008 | | | | 48.00 | 3818.02 |
| | 13-Nov-2007 | | | | 48.88 | 3817.14 |
| | 13-Sep-2007 | | | | 48.84 | 3817.18 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| 177-07R | 11-May-2020 | 415240.93 | 1515476.47 | 3858.91 | 47.26 | 3811.65 |
| | 5-Feb-2020 | | | | 46.62 | 3812.29 |
| | 8-Nov-2019 | | | | 46.39 | 3812.52 |
| | 1-Aug-2019 | | | | 47.65 | 3811.26 |
| | 8-May-2019 | | | | 47.23 | 3811.68 |
| | 19-Feb-2019 | | | | 46.60 | 3812.31 |
| | 12-Nov-2018 | | | | 46.70 | 3812.21 |
| | 6-Aug-2018 | | | | 47.09 | 3811.82 |
| | 17-May-2018 | | | | 47.00 | 3811.91 |
| | 5-Feb-2018 | | | | 46.16 | 3812.75 |
| | 6-Nov-2017 | | | | 46.62 | 3812.29 |
| | 8-Aug-2017 | | | | 47.30 | 3811.61 |
| | 15-May-2017 | | | | 47.68 | 3811.23 |
| | 7-Feb-2017 | | | | 47.06 | 3811.85 |
| | 7-Nov-2016 | | | | 47.50 | 3811.41 |
| | 15-Aug-2016 | | | | 48.12 | 3810.79 |
| | 16-May-2016 | | | | 48.09 | 3810.82 |
| | 9-Feb-2016 | | | | 47.42 | 3811.49 |
| | 5-Nov-2015 | | | | 47.57 | 3811.34 |
| | 5-Aug-2015 | | | | 47.67 | 3811.24 |
| | 6-May-2015 | | | | 47.35 | 3811.56 |
| | 6-Feb-2015 | | | | 46.70 | 3812.21 |
| | 10-Nov-2014 | | | | 46.53 | 3812.38 |
| | 13-Aug-2014 | | | | 45.50 | 3813.41 |
| | 13-May-2014 | | | | 46.66 | 3812.25 |
| | 12-Feb-2014 | | | | 45.90 | 3813.01 |
| | 7-Nov-2013 | | | | 45.50 | 3813.41 |
| | 6-Aug-2013 | | | | 45.51 | 3813.40 |
| | 7-May-2013 | | | | 45.22 | 3813.69 |
| | 7-Feb-2013 | | | | 44.44 | 3814.47 |
| | 25-Oct-2012 | | | | 43.98 | 3814.93 |
| | 30-Jul-2012 | | | | 43.60 | 3815.31 |
| | 24-Apr-2012 | | | | 43.56 | 3815.35 |
| | 24-Jan-2012 | | | | 43.08 | 3815.83 |
| | 7-Dec-2011 | | | | 43.46 | 3815.45 |
| | 19-Jul-2011 | | | | 42.91 | 3816.00 |
| | 19-Apr-2011 | | | | 41.96 | 3816.95 |
| 177-07 | 5-Nov-2014 | 415258.95 | 1515471.64 | 3859.96 | Plugged and Abandoned | |
| | 17-Jan-2011 | | | | Dry | |
| | 15-Sep-2010 | | | | Dry | |
| | 23-Jun-2010 | | | | Dry | |
| | 22-Mar-2010 | | | | Dry | |
| | 8-Dec-2009 | | | | Dry | |
| | 10-Dec-2008 | | | | Dry | |
| | 27-Sep-2008 | | | | Dry | |
| | 10-Jun-2008 | | | | Dry | |
| | 6-Feb-2008 | | | | Dry | |
| | 13-Nov-2007 | | | | Dry | |
| | 13-Sep-2007 | | | | Dry | |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| **CENTRAL AREA** | | | | | | |
| **Buena Vista Diary II** | | | | | | |
| 74-01 | 4-Aug-2023 | 405434.93 | 1519310.15 | 3841.01 | 39.03 | 3801.98 |
| | 3-May-2023 | | | | 39.12 | 3801.89 |
| | 6-Feb-2023 | | | | 38.26 | 3802.75 |
| | 3-Nov-2022 | | | | 38.40 | 3802.61 |
| | 4-Aug-2022 | | | | 38.06 | 3802.95 |
| | 3-May-2022 | | | | 37.51 | 3803.50 |
| | 9-Feb-2022 | | | | 36.65 | 3804.36 |
| | 3-Nov-2021 | | | | 37.60 | 3803.41 |
| | 6-Aug-2021 | | | | 37.70 | 3803.31 |
| | 5-May-2021 | | | | 36.69 | 3804.32 |
| | 11-Feb-2021 | | | | 35.79 | 3805.22 |
| | 3-Nov-2020 | | | | 36.49 | 3804.52 |
| | 11-Aug-2020 | | | | 36.47 | 3804.54 |
| | 12-May-2020 | | | | 36.35 | 3804.66 |
| | 5-Feb-2020 | | | | 35.94 | 3805.07 |
| | 8-Nov-2019 | | | | 36.71 | 3804.30 |
| | 1-Aug-2019 | | | | 37.18 | 3803.83 |
| | 9-May-2019 | | | | 37.05 | 3803.96 |
| | 20-Feb-2019 | | | | 35.75 | 3805.26 |
| | 13-Nov-2018 | | | | 36.24 | 3804.77 |
| | 7-Aug-2018 | | | | 36.32 | 3804.69 |
| | 17-May-2018 | | | | 36.35 | 3804.66 |
| | 6-Feb-2018 | | | | 35.04 | 3805.97 |
| | 6-Nov-2017 | | | | 35.65 | 3805.36 |
| | 7-Aug-2017 | | | | 36.51 | 3804.50 |
| | 16-May-2017 | | | | 37.00 | 3804.01 |
| | 7-Feb-2017 | | | | 35.73 | 3805.28 |
| | 8-Nov-2016 | | | | 36.17 | 3804.84 |
| | 16-Aug-2016 | | | | 37.04 | 3803.97 |
| | 17-May-2016 | | | | 37.32 | 3803.69 |
| | 9-Feb-2016 | | | | 36.00 | 3805.01 |
| | 5-Nov-2015 | | | | 36.63 | 3804.38 |
| | 6-Aug-2015 | | | | 37.05 | 3803.96 |
| | 6-May-2015 | | | | 37.38 | 3803.63 |
| | 5-Feb-2015 | | | | 35.45 | 3805.56 |
| | 5-Nov-2014 | | | | 36.66 | 3804.35 |
| | 13-Aug-2014 | | | | 36.71 | 3804.30 |
| | 18-Jun-2014 | | | | 37.09 | 3803.92 |
| | 12-Feb-2014 | | | | 35.17 | 3805.84 |
| | 6-Nov-2013 | | | | 35.77 | 3805.24 |
| | 6-Aug-2013 | | | | 36.56 | 3804.45 |
| | 7-May-2013 | | | | 35.02 | 3805.99 |
| | 7-Feb-2013 | | | | 33.64 | 3807.37 |
| | 25-Oct-2012 | | | | 34.94 | 3806.07 |
| | 31-Jul-2012 | | | | 34.53 | 3806.48 |
| | 24-Apr-2012 | | | | 34.27 | 3806.74 |
| | 24-Jan-2012 | | | | 33.36 | 3807.65 |
| | 8-Dec-2011 | | | | 33.63 | 3807.38 |
| | 19-Jul-2011 | | | | 33.31 | 3807.70 |
| | 20-Apr-2011 | | | | 31.97 | 3809.04 |
| | 21-Jan-2011 | | | | 32.23 | 3808.78 |
| | 16-Sep-2010 | | | | 31.97 | 3809.04 |
| | 23-Jun-2010 | | | | 32.08 | 3808.93 |
| | 22-Mar-2010 | | | | 32.07 | 3808.94 |
| | 8-Dec-2009 | | | | 31.45 | 3809.56 |
| | 28-Aug-2009 | | | | 32.20 | 3808.81 |
| | 26-May-2009 | | | | 32.20 | 3808.81 |
| | 10-Dec-2008 | | | | 31.31 | 3809.70 |
| | 27-Sep-2008 | | | | 31.64 | 3809.37 |
| | 10-Jun-2008 | | | | 32.00 | 3809.01 |
| | 5-Feb-2008 | | | | 31.66 | 3809.35 |
| | 14-Nov-2007 | | | | 31.21 | 3809.80 |
| | 12-Sep-2007 | | | | 31.63 | 3809.38 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| 74-02 | 4-Aug-2023 | 404574.08 | 1519035.52 | 3820.58 | 19.17 | 3801.41 |
| | 3-May-2023 | | | | 18.78 | 3801.80 |
| | 6-Feb-2023 | | | | 18.38 | 3802.20 |
| | 3-Nov-2022 | | | | 18.86 | 3801.72 |
| | 4-Aug-2022 | | | | 18.74 | 3801.84 |
| | 7-May-2022 | | | | 18.11 | 3802.47 |
| | 8-Feb-2022 | | | | 17.23 | 3803.35 |
| | 3-Nov-2021 | | | | 18.03 | 3802.55 |
| | 6-Aug-2021 | | | | 18.20 | 3802.38 |
| | 5-May-2021 | | | | 16.85 | 3803.73 |
| | 11-Feb-2021 | | | | 15.99 | 3804.59 |
| | 3-Nov-2020 | | | | 16.70 | 3803.88 |
| | 11-Aug-2020 | | | | 17.28 | 3803.30 |
| | 12-May-2020 | | | | 17.68 | 3802.90 |
| | 5-Feb-2020 | | | | 16.10 | 3804.48 |
| | 8-Nov-2019 | | | | 16.98 | 3803.60 |
| | 1-Aug-2019 | | | | 17.57 | 3803.01 |
| | 9-May-2019 | | | | 17.55 | 3803.03 |
| | 20-Feb-2019 | | | | 16.00 | 3804.58 |
| | 13-Nov-2018 | | | | 16.50 | 3804.08 |
| | 7-Aug-2018 | | | | 16.61 | 3803.97 |
| | 17-May-2018 | | | | 16.77 | 3803.81 |
| | 6-Feb-2018 | | | | 15.16 | 3805.42 |
| | 6-Nov-2017 | | | | 15.76 | 3804.82 |
| | 7-Aug-2017 | | | | 16.87 | 3803.71 |
| | 16-May-2017 | | | | 17.61 | 3802.97 |
| | 7-Feb-2017 | | | | 16.01 | 3804.57 |
| | 8-Nov-2016 | | | | 16.46 | 3804.12 |
| | 16-Aug-2016 | | | | 17.59 | 3802.99 |
| | 17-May-2016 | | | | 18.13 | 3802.45 |
| | 9-Feb-2016 | | | | 16.40 | 3804.18 |
| | 5-Nov-2015 | | | | 17.16 | 3803.42 |
| | 6-Aug-2015 | | | | 17.89 | 3802.69 |
| | 6-May-2015 | | | | 18.11 | 3802.47 |
| | 5-Feb-2015 | | | | 16.00 | 3804.58 |
| | 5-Nov-2014 | | | | 17.16 | 3803.42 |
| | 13-Aug-2014 | | | | 17.50 | 3803.08 |
| | 18-Jun-2014 | | | | 18.13 | 3802.45 |
| | 12-Feb-2014 | | | | 15.75 | 3804.83 |
| | 6-Nov-2013 | | | | 17.07 | 3803.51 |
| | 6-Aug-2013 | | | | 17.55 | 3803.03 |
| | 7-May-2013 | | | | 16.22 | 3804.36 |
| | 7-Feb-2013 | | | | 15.84 | 3804.74 |
| | 25-Oct-2012 | | | | 16.02 | 3804.56 |
| | 31-Jul-2012 | | | | 15.09 | 3805.49 |
| | 24-Apr-2012 | | | | 14.30 | 3806.28 |
| | 24-Jan-2012 | | | | 13.96 | 3806.62 |
| | 8-Dec-2011 | | | | 15.49 | 3805.09 |
| | 19-Jul-2011 | | | | 14.19 | 3806.39 |
| | 20-Apr-2011 | | | | 12.45 | 3808.13 |
| | 17-Jan-2011 | | | | 12.53 | 3808.05 |
| | 16-Sep-2010 | | | | 12.45 | 3808.13 |
| | 23-Jun-2010 | | | | 12.87 | 3807.71 |
| | 22-Mar-2010 | | | | 12.72 | 3807.86 |
| | 8-Dec-2009 | | | | 11.88 | 3808.70 |
| | 28-Aug-2009 | | | | 12.53 | 3808.05 |
| | 26-May-2009 | | | | 12.70 | 3807.88 |
| | 10-Dec-2008 | | | | 11.65 | 3808.93 |
| | 27-Sep-2008 | | | | 12.03 | 3808.55 |
| | 10-Jun-2008 | | | | 12.39 | 3808.19 |
| | 5-Feb-2008 | | | | 11.94 | 3808.64 |
| | 14-Nov-2007 | | | | 11.52 | 3809.06 |
| | 12-Sep-2007 | | | | 12.33 | 3808.25 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| 74-03 | 4-Aug-2023 | 407163.61 | 1516711.72 | 3823.36 | 18.60 | 3804.76 |
| | 3-May-2023 | | | | 19.10 | 3804.26 |
| | 6-Feb-2023 | | | | 18.41 | 3804.95 |
| | 3-Nov-2022 | | | | 18.40 | 3804.96 |
| | 4-Aug-2022 | | | | 18.18 | 3805.18 |
| | 3-May-2022 | | | | 17.60 | 3805.76 |
| | 8-Feb-2022 | | | | 16.81 | 3806.55 |
| | 3-Nov-2021 | | | | 17.25 | 3806.11 |
| | 6-Aug-2021 | | | | 16.97 | 3806.39 |
| | 5-May-2021 | | | | 16.20 | 3807.16 |
| | 11-Feb-2021 | | | | 15.61 | 3807.75 |
| | 3-Nov-2020 | | | | 15.67 | 3807.69 |
| | 11-Aug-2020 | | | | 15.97 | 3807.39 |
| | 12-May-2020 | | | | 16.51 | 3806.85 |
| | 5-Feb-2020 | | | | 15.68 | 3807.68 |
| | 8-Nov-2019 | | | | 15.77 | 3807.59 |
| | 1-Aug-2019 | | | | 16.55 | 3806.81 |
| | 9-May-2019 | | | | 16.39 | 3806.97 |
| | 20-Feb-2019 | | | | 15.57 | 3807.79 |
| | 13-Nov-2018 | | | | 15.68 | 3807.68 |
| | 7-Aug-2018 | | | | 15.40 | 3807.96 |
| | 17-May-2018 | | | | 15.50 | 3807.86 |
| | 6-Feb-2018 | | | | 14.67 | 3808.69 |
| | 6-Nov-2017 | | | | 14.71 | 3808.65 |
| | 7-Aug-2017 | | | | 15.56 | 3807.80 |
| | 16-May-2017 | | | | 16.38 | 3806.98 |
| | 7-Feb-2017 | | | | 15.53 | 3807.83 |
| | 8-Nov-2016 | | | | 15.57 | 3807.79 |
| | 16-Aug-2016 | | | | 16.01 | 3807.35 |
| | 20-May-2016 | | | | 16.57 | 3806.79 |
| | 9-Feb-2016 | | | | 16.05 | 3807.31 |
| | 5-Nov-2015 | | | | 16.10 | 3807.26 |
| | 5-Aug-2015 | | | | 16.16 | 3807.20 |
| | 6-May-2015 | | | | 16.29 | 3807.07 |
| | 5-Feb-2015 | | | | 15.75 | 3807.61 |
| | 5-Nov-2014 | | | | 15.67 | 3807.69 |
| | 13-Aug-2014 | | | | 16.07 | 3807.29 |
| | 18-Jun-2014 | | | | 16.73 | 3806.63 |
| | 12-Feb-2014 | | | | 15.63 | 3807.73 |
| | 6-Nov-2013 | | | | 15.53 | 3807.83 |
| | 6-Aug-2013 | | | | 15.43 | 3807.93 |
| | 7-May-2013 | | | | 14.85 | 3808.51 |
| | 7-Feb-2013 | | | | 13.93 | 3809.43 |
| | 25-Oct-2012 | | | | 14.22 | 3809.14 |
| | 31-Jul-2012 | | | | 14.17 | 3809.19 |
| | 24-Apr-2012 | | | | 13.99 | 3809.37 |
| | 24-Jan-2012 | | | | 13.60 | 3809.76 |
| | 8-Dec-2011 | | | | 13.70 | 3809.66 |
| | 19-Jul-2011 | | | | 13.17 | 3810.19 |
| | 20-Apr-2011 | | | | 12.11 | 3811.25 |
| | 17-Jan-2011 | | | | 12.63 | 3810.73 |
| | 16-Sep-2010 | | | | 12.41 | 3810.95 |
| | 23-Jun-2010 | | | | 12.72 | 3810.64 |
| | 22-Mar-2010 | | | | 12.94 | 3810.42 |
| | 8-Dec-2009 | | | | 12.88 | 3810.48 |
| | 28-Aug-2009 | | | | 12.63 | 3810.73 |
| | 26-May-2009 | | | | 12.94 | 3810.42 |
| | 10-Dec-2008 | | | | 13.00 | 3810.36 |
| | 27-Sep-2008 | | | | 12.94 | 3810.42 |
| | 10-Jun-2008 | | | | 12.66 | 3810.7 |
| | 5-Feb-2008 | | | | 12.94 | 3810.42 |
| | 14-Nov-2007 | | | | 12.77 | 3810.59 |
| | 12-Sep-2007 | | | | 12.53 | 3810.83 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| 74-04 | 4-Aug-2023 | 405488.65 | 1519864.48 | 3853.17 | 51.07 | 3802.10 |
| | 3-May-2023 | | | | 51.00 | 3802.17 |
| | 6-Feb-2023 | | | | 50.20 | 3802.97 |
| | 3-Nov-2022 | | | | 50.42 | 3802.75 |
| | 4-Aug-2022 | | | | 50.36 | 3802.81 |
| | 3-May-2022 | | | | 49.72 | 3803.45 |
| | 9-Feb-2022 | | | | 48.85 | 3804.32 |
| | 3-Nov-2021 | | | | 49.70 | 3803.47 |
| | 6-Aug-2021 | | | | 49.62 | 3803.55 |
| | 5-May-2021 | | | | 48.95 | 3804.22 |
| | 11-Feb-2021 | | | | 48.09 | 3805.08 |
| | 3-Nov-2020 | | | | 48.71 | 3804.46 |
| | 11-Aug-2020 | | | | 48.93 | 3804.24 |
| | 12-May-2020 | | | | 49.21 | 3803.96 |
| | 5-Feb-2020 | | | | 48.21 | 3804.96 |
| | 8-Nov-2019 | | | | 48.95 | 3804.22 |
| | 1-Aug-2019 | | | | 49.30 | 3803.87 |
| | 9-May-2019 | | | | 49.00 | 3804.17 |
| | 20-Feb-2019 | | | | 47.95 | 3805.22 |
| | 13-Nov-2018 | | | | 48.45 | 3804.72 |
| | 7-Aug-2018 | | | | 48.48 | 3804.69 |
| | 17-May-2018 | | | | 48.37 | 3804.80 |
| | 6-Feb-2017 | | | | 47.35 | 3805.82 |
| | 6-Nov-2017 | | | | 47.95 | 3805.22 |
| | 7-Aug-2017 | | | | 48.78 | 3804.39 |
| | 16-May-2017 | | | | 49.00 | 3804.17 |
| | 7-Feb-2017 | | | | 47.97 | 3805.20 |
| | 8-Nov-2016 | | | | 48.44 | 3804.73 |
| | 16-Aug-2016 | | | | 49.27 | 3803.90 |
| | 17-May-2016 | | | | NM | NM |
| | 9-Feb-2016 | | | | 48.35 | 3804.82 |
| | 5-Nov-2015 | | | | 49.03 | 3804.14 |
| | 6-Aug-2015 | | | | 49.21 | 3803.96 |
| | 6-May-2015 | | | | 49.44 | 3803.73 |
| | 5-Feb-2015 | | | | 47.86 | 3805.31 |
| | 5-Nov-2014 | | | | 49.58 | 3803.59 |
| | 13-Aug-2014 | | | | 49.12 | 3804.05 |
| | 18-Jun-2014 | | | | 49.35 | 3803.82 |
| | 12-Feb-2014 | | | | 47.75 | 3805.42 |
| | 6-Nov-2013 | | | | 48.06 | 3805.11 |
| | 6-Aug-2013 | | | | 48.55 | 3804.62 |
| | 7-May-2013 | | | | 47.45 | 3805.72 |
| | 7-Feb-2013 | | | | 46.31 | 3806.86 |
| | 25-Oct-2012 | | | | 46.96 | 3806.21 |
| | 31-Jul-2012 | | | | 47.16 | 3806.01 |
| | 24-Apr-2012 | | | | 47.05 | 3806.12 |
| | 24-Jan-2012 | | | | 45.78 | 3807.39 |
| | 8-Dec-2011 | | | | 45.98 | 3807.19 |
| | 19-Jul-2011 | | | | 45.61 | 3807.56 |
| | 20-Apr-2011 | | | | 44.19 | 3808.98 |
| | 17-Jan-2011 | | | | 44.02 | 3809.15 |
| | 16-Sep-2010 | | | | 44.19 | 3808.98 |
| | 23-Jun-2010 | | | | 44.26 | 3808.91 |
| | 22-Mar-2010 | | | | 44.25 | 3808.92 |
| | 8-Dec-2009 | | | | 43.86 | 3809.31 |
| | 28-Aug-2009 | | | | 44.49 | 3808.68 |
| | 26-May-2009 | | | | 44.56 | 3808.61 |
| | 10-Dec-2008 | | | | 43.70 | 3809.47 |
| | 27-Sep-2008 | | | | 43.99 | 3809.18 |
| | 10-Jun-2008 | | | | 44.40 | 3808.77 |
| | 5-Feb-2008 | | | | 43.41 | 3809.76 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| 74-05 | 4-Aug-2023 | 404747.71 | 1519885.3 | 3845.35 | 43.88 | 3801.47 |
| | 3-May-2023 | | | | 43.23 | 3802.12 |
| | 6-Feb-2023 | | | | 42.80 | 3802.55 |
| | 3-Nov-2022 | | | | 43.25 | 3802.10 |
| | 4-Aug-2022 | | | | 43.00 | 3802.35 |
| | 3-May-2022 | | | | 42.39 | 3802.96 |
| | 9-Feb-2022 | | | | 41.68 | 3803.67 |
| | 3-Nov-2021 | | | | 42.40 | 3802.95 |
| | 6-Aug-2021 | | | | 42.50 | 3802.85 |
| | 5-May-2021 | | | | 41.60 | 3803.75 |
| | 11-Feb-2021 | | | | 40.73 | 3804.62 |
| | 3-Nov-2020 | | | | 41.40 | 3803.95 |
| | 11-Aug-2020 | | | | 40.92 | 3804.43 |
| | 12-May-2020 | | | | 41.83 | 3803.52 |
| | 5-Feb-2020 | | | | 40.90 | 3804.45 |
| | 8-Nov-2019 | | | | 41.68 | 3803.67 |
| | 1-Aug-2019 | | | | 42.12 | 3803.23 |
| | 9-May-2019 | | | | 41.87 | 3803.48 |
| | 20-Feb-2019 | | | | 40.65 | 3804.70 |
| | 13-Nov-2018 | | | | 41.18 | 3804.17 |
| | 7-Aug-2018 | | | | 41.22 | 3804.13 |
| | 17-May-2018 | | | | 41.19 | 3804.16 |
| | 6-Feb-2018 | | | | 39.97 | 3805.38 |
| | 6-Nov-2017 | | | | 40.59 | 3804.76 |
| | 7-Aug-2017 | | | | 41.59 | 3803.76 |
| | 16-May-2017 | | | | 41.93 | 3803.42 |
| | 7-Feb-2017 | | | | 40.74 | 3804.61 |
| | 8-Nov-2016 | | | | 41.23 | 3804.12 |
| | 16-Aug-2016 | | | | 42.23 | 3803.12 |
| | 17-May-2016 | | | | 42.62 | 3802.73 |
| | 9-Feb-2016 | | | | 41.19 | 3804.16 |
| | 5-Nov-2015 | | | | 42.00 | 3803.35 |
| | 6-Aug-2015 | | | | 42.35 | 3803.00 |
| | 6-May-2015 | | | | 41.63 | 3803.72 |
| | 5-Feb-2015 | | | | 40.78 | 3804.57 |
| | 5-Nov-2014 | | | | 41.99 | 3803.36 |
| | 13-Aug-2014 | | | | 42.28 | 3803.07 |
| | 18-Jun-2014 | | | | 42.73 | 3802.62 |
| | 12-Feb-2014 | | | | 40.76 | 3804.59 |
| | 6-Nov-2013 | | | | 41.17 | 3804.18 |
| | 6-Aug-2013 | | | | 41.80 | 3803.55 |
| | 7-May-2013 | | | | 40.98 | 3804.37 |
| | 7-Feb-2013 | | | | 39.40 | 3805.95 |
| | 25-Oct-2012 | | | | 40.33 | 3805.02 |
| | 31-Jul-2012 | | | | 40.19 | 3805.16 |
| | 24-Apr-2012 | | | | 40.05 | 3805.30 |
| | 24-Jan-2012 | | | | 38.78 | 3806.57 |
| | 8-Dec-2011 | | | | 39.18 | 3806.17 |
| | 19-Jul-2011 | | | | 38.84 | 3806.51 |
| | 20-Apr-2011 | | | | 37.99 | 3807.36 |
| | 17-Jan-2011 | | | | 36.96 | 3808.39 |
| | 16-Sep-2010 | | | | 37.00 | 3808.35 |
| | 23-Jun-2010 | | | | 37.44 | 3807.91 |
| | 22-Mar-2010 | | | | 37.23 | 3808.12 |
| | 8-Dec-2009 | | | | 36.74 | 3808.61 |
| | 28-Aug-2009 | | | | 37.32 | 3808.03 |
| | 26-May-2009 | | | | 37.47 | 3807.88 |
| | 10-Dec-2008 | | | | 36.53 | 3808.82 |
| | 27-Sep-2008 | | | | 36.88 | 3808.47 |
| | 10-Jun-2008 | | | | 37.39 | 3807.96 |
| | 5-Feb-2008 | | | | 36.77 | 3808.58 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| **River Valley Dairy** | | | | | | |
| 167-01 | 6-Feb-2018 | 402518.37 | 1518459.71 | 3818.94 | 14.31 | 3804.63 |
| | 7-Nov-2017 | | | | 14.48 | 3804.46 |
| | 7-Aug-2017 | | | | 15.27 | 3803.67 |
| | 16-May-2017 | | | | 17.65 | 3801.29 |
| | 7-Feb-2017 | | | | 15.31 | 3803.63 |
| | 8-Nov-2016 | | | | 15.63 | 3803.31 |
| | 30-Aug-2016 | | | | 15.90 | 3803.04 |
| | 20-May-2016 | | | | 18.97 | 3799.97 |
| | 10-Feb-2016 | | | | 16.37 | 3802.57 |
| | 5-Nov-2015 | | | | 17.30 | 3801.64 |
| | 6-Aug-2015 | | | | 17.91 | 3801.03 |
| | 6-May-2015 | | | | 18.04 | 3800.90 |
| | 5-Feb-2015 | | | | 16.18 | 3802.76 |
| | 10-Nov-2014 | | | | 17.86 | 3801.08 |
| | 13-Aug-2014 | | | | 18.49 | 3800.45 |
| | 18-Jun-2014 | | | | 19.77 | 3799.17 |
| | 12-Feb-2014 | | | | 16.81 | 3802.13 |
| | 6-Nov-2013 | | | | 18.82 | 3800.12 |
| | 6-Aug-2013 | | | | 19.11 | 3799.83 |
| | 7-May-2013 | | | | 18.43 | 3800.51 |
| | 7-Feb-2013 | | | | 17.02 | 3801.92 |
| | 25-Oct-2012 | | | | 17.23 | 3801.71 |
| | 31-Jul-2012 | | | | 16.91 | 3802.03 |
| | 24-Apr-2012 | | | | 16.01 | 3802.93 |
| | 24-Jan-2012 | | | | 14.60 | 3804.34 |
| | 8-Dec-2011 | | | | 15.06 | 3803.88 |
| | 19-Jul-2011 | | | | 16.81 | 3802.13 |
| | 25-Apr-2011 | | | | 14.51 | 3804.43 |
| | 17-Jan-2011 | | | | 12.33 | 3806.61 |
| | 15-Sep-2010 | | | | 12.19 | 3806.75 |
| | 25-Jun-2010 | | | | 13.31 | 3805.63 |
| | 22-Mar-2010 | | | | 13.46 | 3805.48 |
| | 8-Dec-2009 | | | | 12.11 | 3806.83 |
| | 28-Aug-2009 | | | | 11.99 | 3806.95 |
| | 26-May-2009 | | | | 12.43 | 3806.51 |
| | 10-Dec-2008 | | | | 12.13 | 3806.81 |
| | 27-Sep-2008 | | | | 12.09 | 3806.85 |
| | 10-Jun-2008 | | | | 12.95 | 3805.99 |
| | 5-Feb-2008 | | | | 12.62 | 3806.32 |
| | 14-Nov-2007 | | | | 12.68 | 3806.26 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| 167-01A | 6-Feb-2018 | 402518.18 | 1518936.72 | 3818.88 | 14.50 | 3804.38 |
| | 7-Nov-2017 | | | | 14.82 | 3804.06 |
| | 7-Aug-2017 | | | | 15.79 | 3803.09 |
| | 16-May-2017 | | | | 17.62 | 3801.26 |
| | 7-Feb-2017 | | | | 15.45 | 3803.43 |
| | 8-Nov-2016 | | | | 15.89 | 3802.99 |
| | 30-Aug-2016 | | | | 16.41 | 3802.47 |
| | 16-May-2016 | | | | 18.81 | 3800.07 |
| | 10-Feb-2016 | | | | 16.50 | 3802.38 |
| | 5-Nov-2015 | | | | 17.51 | 3801.37 |
| | 6-Aug-2015 | | | | 18.10 | 3800.78 |
| | 6-May-2015 | | | | 18.84 | 3800.04 |
| | 5-Feb-2015 | | | | 16.32 | 3802.56 |
| | 5-Nov-2014 | | | | 17.35 | 3801.53 |
| | 13-Aug-2014 | | | | 18.34 | 3800.54 |
| | 18-Jun-2014 | | | | 19.65 | 3799.23 |
| | 12-Feb-2014 | | | | 16.79 | 3802.09 |
| | 6-Nov-2013 | | | | 18.19 | 3800.69 |
| | 6-Aug-2013 | | | | 18.54 | 3800.34 |
| | 7-May-2013 | | | | 18.22 | 3800.66 |
| | 7-Feb-2013 | | | | 17.45 | 3801.43 |
| | 25-Oct-2012 | | | | 17.38 | 3801.50 |
| | 31-Jul-2012 | | | | 17.08 | 3801.80 |
| | 24-Apr-2012 | | | | 16.29 | 3802.59 |
| | 24-Jan-2012 | | | | 14.59 | 3804.29 |
| | 13-Dec-2011 | | | | 15.13 | 3803.75 |
| | 19-Jul-2011 | | | | 16.04 | 3802.84 |
| | 25-Apr-2011 | | | | 14.13 | 3804.75 |
| | 17-Jan-2011 | | | | 12.38 | 3806.50 |
| | 15-Sep-2010 | | | | 12.21 | 3806.67 |
| | 22-Jun-2010 | | | | 13.74 | 3805.14 |
| | 22-Mar-2010 | | | | 13.22 | 3805.66 |
| | 8-Dec-2009 | | | | 12.17 | 3806.71 |
| | 28-Aug-2009 | | | | 12.23 | 3806.65 |
| | 26-May-2009 | | | | 12.62 | 3806.26 |
| | 10-Dec-2008 | | | | 12.03 | 3806.85 |
| | 27-Sep-2008 | | | | 12.18 | 3806.70 |
| | 10-Jun-2008 | | | | 13.16 | 3805.72 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| 167-02 | 6-Feb-2018 | 402498.3 | 1519354.81 | 3819.64 | 15.80 | 3803.84 |
| | 7-Nov-2017 | | | | 16.18 | 3803.46 |
| | 7-Aug-2017 | | | | 16.75 | 3802.89 |
| | 16-May-2017 | | | | 18.97 | 3800.67 |
| | 7-Feb-2017 | | | | 16.90 | 3802.74 |
| | 8-Nov-2016 | | | | 17.22 | 3802.42 |
| | 30-Aug-2016 | | | | 17.38 | 3802.26 |
| | 16-May-2016 | | | | 20.44 | 3799.20 |
| | 10-Feb-2016 | | | | 17.88 | 3801.76 |
| | 5-Nov-2015 | | | | 18.70 | 3800.94 |
| | 6-Aug-2015 | | | | 18.98 | 3800.66 |
| | 12-May-2015 | | | | 20.88 | 3798.76 |
| | 6-May-2015 | | | | 21.50 | 3798.14 |
| | 5-Feb-2015 | | | | 17.25 | 3802.39 |
| | 10-Nov-2014 | | | | Dry | |
| | 13-Aug-2014 | | | | 19.35 | 3800.29 |
| | 18-Jun-2014 | | | | Dry | |
| | 12-Feb-2014 | | | | 17.94 | 3801.70 |
| | 6-Nov-2013 | | | | Dry | |
| | 6-Aug-2013 | | | | Dry | |
| | 7-May-2013 | | | | Dry | |
| | 7-Feb-2013 | | | | Dry | |
| | 25-Oct-2012 | | | | Dry | |
| | 31-Jul-2012 | | | | Dry | |
| | 24-Apr-2012 | | | | Dry | |
| | 24-Jan-2012 | | | | 15.84 | 3803.80 |
| | 8-Dec-2011 | | | | 15.92 | 3803.72 |
| | 19-Jul-2011 | | | | Dry | |
| | 25-Apr-2011 | | | | 13.48 | 3806.16 |
| | 17-Jan-2011 | | | | 13.49 | 3806.15 |
| | 15-Sep-2010 | | | | 13.68 | 3805.96 |
| | 22-Jun-2010 | | | | 15.23 | 3804.41 |
| | 22-Mar-2010 | | | | 14.69 | 3804.95 |
| | 8-Dec-2009 | | | | 13.32 | 3806.32 |
| | 28-Aug-2009 | | | | 13.65 | 3805.99 |
| | 26-May-2009 | | | | 13.86 | 3805.78 |
| | 10-Dec-2008 | | | | 13.43 | 3806.21 |
| | 27-Sep-2008 | | | | 13.71 | 3805.93 |
| | 10-Jun-2008 | | | | 14.70 | 3804.94 |
| | 5-Feb-2008 | | | | 13.54 | 3806.10 |
| | 14-Nov-2007 | | | | 13.65 | 3805.99 |
| | 11-Sep-2007 | | | | 13.98 | 3805.66 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| 167-03 | 6-Feb-2018 | 402981.73 | 1519415.73 | 3825.66 | 21.15 | 3804.51 |
| | 7-Nov-2017 | | | | 21.68 | 3803.98 |
| | 7-Aug-2017 | | | | 22.76 | 3802.90 |
| | 16-May-2017 | | | | 24.00 | 3801.66 |
| | 7-Feb-2017 | | | | 22.09 | 3803.57 |
| | 8-Nov-2016 | | | | 22.55 | 3803.11 |
| | 30-Aug-2016 | | | | 23.22 | 3802.44 |
| | 16-May-2016 | | | | 25.07 | 3800.59 |
| | 10-Feb-2016 | | | | 22.98 | 3802.68 |
| | 5-Nov-2015 | | | | 23.96 | 3801.70 |
| | 6-Aug-2015 | | | | 24.52 | 3801.14 |
| | 6-May-2015 | | | | 24.58 | 3801.08 |
| | 5-Feb-2015 | | | | 22.70 | 3802.96 |
| | 10-Nov-2014 | | | | 24.45 | 3801.21 |
| | 13-Aug-2014 | | | | 24.81 | 3800.85 |
| | 18-Jun-2014 | | | | 25.84 | 3799.82 |
| | 12-Feb-2014 | | | | 23.04 | 3802.62 |
| | 6-Nov-2013 | | | | 24.79 | 3800.87 |
| | 6-Aug-2013 | | | | 25.27 | 3800.39 |
| | 7-May-2013 | | | | 22.99 | 3802.67 |
| | 7-Feb-2013 | | | | 22.06 | 3803.60 |
| | 25-Oct-2012 | | | | 23.49 | 3802.17 |
| | 31-Jul-2012 | | | | 22.63 | 3803.03 |
| | 24-Apr-2012 | | | | 21.97 | 3803.69 |
| | 24-Jan-2012 | | | | 20.94 | 3804.72 |
| | 8-Dec-2011 | | | | 21.73 | 3803.93 |
| | 19-Jul-2011 | | | | 23.22 | 3802.44 |
| | 25-Apr-2011 | | | | 18.78 | 3806.88 |
| | 17-Jan-2011 | | | | 18.86 | 3806.80 |
| | 15-Sep-2010 | | | | 18.81 | 3806.85 |
| | 22-Jun-2010 | | | | 19.90 | 3805.76 |
| | 22-Mar-2010 | | | | 19.71 | 3805.95 |
| | 8-Dec-2009 | | | | 18.62 | 3807.04 |
| | 28-Aug-2009 | | | | 18.90 | 3806.76 |
| | 27-May-2009 | | | | 19.26 | 3806.40 |
| | 10-Dec-2008 | | | | 18.41 | 3807.25 |
| | 27-Sep-2008 | | | | 18.72 | 3806.94 |
| | 10-Jun-2008 | | | | 19.82 | 3805.84 |
| | 5-Feb-2008 | | | | 18.64 | 3807.02 |
| | 14-Nov-2007 | | | | 18.55 | 3807.11 |
| | 11-Sep-2007 | | | | 19.02 | 3806.64 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| 167-04 | 6-Feb-2018 | 402032.19 | 1519884.6 | 3827.60 | 23.45 | 3804.15 |
| | 7-Nov-2017 | | | | 23.84 | 3803.76 |
| | 7-Aug-2017 | | | | 24.68 | 3802.92 |
| | 16-May-2017 | | | | 26.21 | 3801.39 |
| | 7-Feb-2017 | | | | 24.34 | 3803.26 |
| | 8-Nov-2016 | | | | 24.87 | 3802.73 |
| | 30-Aug-2016 | | | | 25.30 | 3802.30 |
| | 16-May-2016 | | | | 27.10 | 3800.50 |
| | 10-Feb-2016 | | | | 25.37 | 3802.23 |
| | 5-Nov-2015 | | | | 26.23 | 3801.37 |
| | 6-Aug-2015 | | | | 26.73 | 3800.87 |
| | 6-May-2015 | | | | 27.07 | 3800.53 |
| | 5-Feb-2015 | | | | 25.22 | 3802.38 |
| | 10-Nov-2014 | | | | 26.18 | 3801.42 |
| | 13-Aug-2014 | | | | 26.91 | 3800.69 |
| | 18-Jun-2014 | | | | 27.94 | 3799.66 |
| | 12-Feb-2014 | | | | 25.42 | 3802.18 |
| | 6-Nov-2013 | | | | 26.38 | 3801.22 |
| | 6-Aug-2013 | | | | 26.70 | 3800.90 |
| | 7-May-2013 | | | | 25.59 | 3802.01 |
| | 7-Feb-2013 | | | | 24.84 | 3802.76 |
| | 25-Oct-2012 | | | | 25.60 | 3802.00 |
| | 31-Jul-2012 | | | | 25.19 | 3802.41 |
| | 24-Apr-2012 | | | | 25.05 | 3802.55 |
| | 24-Jan-2012 | | | | 23.36 | 3804.24 |
| | 8-Dec-2011 | | | | 24.01 | 3803.59 |
| | 19-Jul-2011 | | | | 24.36 | 3803.24 |
| | 25-Apr-2011 | | | | 21.23 | 3806.37 |
| | 17-Jan-2011 | | | | 21.18 | 3806.42 |
| | 15-Sep-2010 | | | | Well Damaged | |
| | 22-Jun-2010 | | | | | |
| | 22-Mar-2010 | | | | | |
| | 8-Dec-2009 | | | | | |
| | 28-Aug-2009 | | | | 21.57 | 3806.03 |
| | 26-May-2009 | | | | 21.60 | 3806.00 |
| | 10-Dec-2008 | | | | 21.01 | 3806.59 |
| | 27-Sep-2008 | | | | 21.01 | 3806.59 |
| | 10-Jun-2008 | | | | 22.20 | 3805.40 |
| | 5-Feb-2008 | | | | 21.51 | 3806.09 |
| | 14-Nov-2007 | | | | 21.44 | 3806.16 |
| | 11-Sep-2007 | | | | 21.68 | 3805.92 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| 167-05 | 6-Feb-2018 | 397947.44 | 1520446.03 | 3815.44 | 14.61 | 3800.83 |
| | 7-Nov-2017 | | | | 14.59 | 3800.85 |
| | 7-Aug-2017 | | | | 14.94 | 3800.50 |
| | 16-May-2017 | | | | 16.91 | 3798.53 |
| | 7-Feb-2017 | | | | 15.40 | 3800.04 |
| | 8-Nov-2016 | | | | 15.97 | 3799.47 |
| | 30-Aug-2016 | | | | 15.43 | 3800.01 |
| | 16-May-2016 | | | | 17.69 | 3797.75 |
| | 10-Feb-2016 | | | | 16.42 | 3799.02 |
| | 5-Nov-2015 | | | | 16.96 | 3798.48 |
| | 6-Aug-2015 | | | | 16.12 | 3799.32 |
| | 6-May-2015 | | | | 17.98 | 3797.46 |
| | 5-Feb-2015 | | | | 16.13 | 3799.31 |
| | 10-Nov-2014 | | | | 16.84 | 3798.60 |
| | 13-Aug-2014 | | | | 15.94 | 3799.50 |
| | 18-Jun-2014 | | | | 17.19 | 3798.25 |
| | 12-Feb-2014 | | | | 15.73 | 3799.71 |
| | 6-Nov-2013 | | | | 15.75 | 3799.69 |
| | 6-Aug-2013 | | | | 16.03 | 3799.41 |
| | 7-May-2013 | | | | 15.42 | 3800.02 |
| | 7-Feb-2013 | | | | 14.96 | 3800.48 |
| | 25-Oct-2012 | | | | 15.74 | 3799.70 |
| | 31-Jul-2012 | | | | 15.60 | 3799.84 |
| | 24-Apr-2012 | | | | 14.99 | 3800.45 |
| | 30-Jan-2012 | | | | 13.86 | 3801.58 |
| | 13-Dec-2011 | | | | 14.10 | 3801.34 |
| | 19-Jul-2011 | | | | 13.69 | 3801.75 |
| | 19-Apr-2011 | | | | 12.97 | 3802.47 |
| | 17-Jan-2011 | | | | 11.90 | 3803.54 |
| | 15-Sep-2010 | | | | 11.52 | 3803.92 |
| | 25-Jun-2010 | | | | 12.43 | 3803.01 |
| | 22-Mar-2010 | | | | 12.22 | 3803.22 |
| | 8-Dec-2009 | | | | 11.96 | 3803.48 |
| | 28-Aug-2009 | | | | 11.63 | 3803.81 |
| | 26-May-2009 | | | | 11.45 | 3803.99 |
| | 10-Dec-2008 | | | | 11.54 | 3803.90 |
| | 27-Sep-2008 | | | | 11.20 | 3804.24 |
| | 10-Jun-2008 | | | | 12.65 | 3802.79 |
| | 5-Feb-2008 | | | | 12.36 | 3803.08 |
| | 14-Nov-2007 | | | | 12.77 | 3802.67 |
| | 11-Sep-2007 | | | | 12.91 | 3802.53 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| 167-06 | 6-Feb-2018 | 404479.35 | 1519603.88 | 3834.84 | 29.52 | 3805.32 |
| | 7-Nov-2017 | | | | 30.11 | 3804.73 |
| | 7-Aug-2017 | | | | 31.20 | 3803.64 |
| | 16-May-2017 | | | | 31.71 | 3803.13 |
| | 7-Feb-2017 | | | | 30.35 | 3804.49 |
| | 8-Nov-2016 | | | | 30.83 | 3804.01 |
| | 30-Aug-2016 | | | | 31.55 | 3803.29 |
| | 16-May-2016 | | | | 32.40 | 3802.44 |
| | 10-Feb-2016 | | | | 30.83 | 3804.01 |
| | 5-Nov-2015 | | | | 31.73 | 3803.11 |
| | 6-Aug-2015 | | | | 32.13 | 3802.71 |
| | 6-May-2015 | | | | 32.36 | 3802.48 |
| | 5-Feb-2015 | | | | 30.44 | 3804.40 |
| | 10-Nov-2014 | | | | 31.33 | 3803.51 |
| | 13-Aug-2014 | | | | 32.08 | 3802.76 |
| | 18-Jun-2014 | | | | 32.63 | 3802.21 |
| | 12-Feb-2014 | | | | 30.42 | 3804.42 |
| | 6-Nov-2013 | | | | 30.95 | 3803.89 |
| | 6-Aug-2013 | | | | 31.73 | 3803.11 |
| | 7-May-2013 | | | | 30.83 | 3804.01 |
| | 7-Feb-2013 | | | | 30.00 | 3804.84 |
| | 25-Oct-2012 | | | | 30.12 | 3804.72 |
| | 31-Jul-2012 | | | | 30.29 | 3804.55 |
| | 24-Apr-2012 | | | | 29.84 | 3805.00 |
| | 24-Jan-2012 | | | | 28.48 | 3806.36 |
| | 8-Dec-2011 | | | | 29.10 | 3805.74 |
| | 19-Jul-2011 | | | | 28.75 | 3806.09 |
| | 25-Apr-2011 | | | | 26.71 | 3808.13 |
| | 17-Jan-2011 | | | | 26.73 | 3808.11 |
| | 15-Sep-2010 | | | | 26.70 | 3808.14 |
| | 22-Jun-2010 | | | | 27.17 | 3807.67 |
| | 22-Mar-2010 | | | | 27.02 | 3807.82 |
| | 8-Dec-2009 | | | | 26.40 | 3808.44 |
| | 28-Aug-2009 | | | | 26.96 | 3807.88 |
| | 26-May-2009 | | | | 27.15 | 3807.69 |
| | 10-Dec-2008 | | | | 26.18 | 3808.66 |
| | 27-Sep-2008 | | | | 26.54 | 3808.30 |
| | 10-Jun-2008 | | | | 27.10 | 3807.74 |
| | 5-Feb-2008 | | | | 26.46 | 3808.38 |
| | 14-Nov-2007 | | | | 26.60 | 3808.24 |
| | 11-Sep-2007 | | | | 26.74 | 3808.10 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| 167-07 | 6-Feb-2018 | 402562.23 | 1518480.34 | 3819.08 | 14.23 | 3804.85 |
| | 7-Nov-2017 | | | | 14.47 | 3804.61 |
| | 7-Aug-2017 | | | | 15.41 | 3803.67 |
| | 16-May-2017 | | | | 17.45 | 3801.63 |
| | 7-Feb-2017 | | | | 15.18 | 3803.90 |
| | 8-Nov-2016 | | | | 15.51 | 3803.57 |
| | 16-May-2016 | | | | 16.20 | 3802.88 |
| | 16-May-2016 | | | | 18.79 | 3800.29 |
| | 10-Feb-2016 | | | | 16.25 | 3802.83 |
| | 5-Nov-2015 | | | | 17.40 | 3801.68 |
| | 6-Aug-2015 | | | | 18.28 | 3800.80 |
| | 6-May-2015 | | | | 18.80 | 3800.28 |
| | 5-Feb-2015 | | | | 16.26 | 3802.82 |
| | 10-Nov-2014 | | | | 17.11 | 3801.97 |
| | 13-Aug-2014 | | | | 18.47 | 3800.61 |
| | 18-Jun-2014 | | | | 19.76 | 3799.32 |
| | 12-Feb-2014 | | | | 16.88 | 3802.20 |
| | 6-Nov-2013 | | | | 17.82 | 3801.26 |
| | 6-Aug-2013 | | | | 18.25 | 3800.83 |
| | 7-May-2013 | | | | 16.14 | 3802.94 |
| | 7-Feb-2013 | | | | 15.84 | 3803.24 |
| | 25-Oct-2012 | | | | 16.30 | 3802.78 |
| | 31-Jul-2012 | | | | 16.09 | 3802.99 |
| | 24-Apr-2012 | | | | 15.84 | 3803.24 |
| | 24-Jan-2012 | | | | 14.54 | 3804.54 |
| | 8-Dec-2011 | | | | 15.45 | 3803.63 |
| | 25-Jul-2011 | | | | 15.39 | 3803.69 |
| | 25-Apr-2011 | | | | 14.95 | 3804.13 |
| | 17-Jan-2011 | | | | 12.39 | 3806.69 |
| | 15-Sep-2010 | | | | 11.98 | 3807.10 |
| | 22-Jun-2010 | | | | 12.94 | 3806.14 |
| | 22-Mar-2010 | | | | 13.03 | 3806.05 |
| | 8-Dec-2009 | | | | 12.18 | 3806.90 |
| | 28-Aug-2009 | | | | 12.06 | 3807.02 |
| | 26-May-2009 | | | | 12.56 | 3806.52 |
| | 10-Dec-2008 | | | | 12.24 | 3806.84 |
| | 27-Sep-2008 | | | | 12.20 | 3806.88 |
| | 10-Jun-2008 | | | | 13.00 | 3806.08 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| 167-08 | 6-Feb-2018 | 399352.96 | 1519889.65 | 3817.96 | 14.48 | 3803.48 |
| | 7-Nov-2017 | | | | 14.29 | 3803.67 |
| | 7-Aug-2017 | | | | 14.42 | 3803.54 |
| | 16-May-2017 | | | | 17.05 | 3800.91 |
| | 7-Feb-2017 | | | | 15.22 | 3802.74 |
| | 8-Nov-2016 | | | | 15.81 | 3802.15 |
| | 16-May-2016 | | | | 17.68 | 3800.28 |
| | 10-Feb-2016 | | | | 16.33 | 3801.63 |
| | 23-Nov-2015 | | | | 16.95 | 3801.01 |
| | 6-Aug-2015 | | | | 18.40 | 3799.56 |
| | 6-May-2015 | | | | 19.56 | 3798.40 |
| | 5-Feb-2015 | | | | 17.78 | 3800.18 |
| | 5-Nov-2014 | | | | 18.31 | 3799.65 |
| | 13-Aug-2014 | | | | 18.46 | 3799.50 |
| | 18-Jun-2014 | | | | 19.71 | 3798.25 |
| | 12-Feb-2014 | | | | 17.65 | 3800.31 |
| | 6-Nov-2013 | | | | 17.68 | 3800.28 |
| | 6-Aug-2013 | | | | 18.07 | 3799.89 |
| | 7-May-2013 | | | | 16.99 | 3800.97 |
| | 7-Feb-2013 | | | | 16.73 | 3801.23 |
| | 25-Oct-2012 | | | | 17.72 | 3800.24 |
| | 31-Jul-2012 | | | | 17.60 | 3800.36 |
| | 24-Apr-2012 | | | | 16.71 | 3801.25 |
| | 24-Jan-2012 | | | | 15.25 | 3802.71 |
| | 8-Dec-2011 | | | | 15.52 | 3802.44 |
| | 19-Jul-2011 | | | | 15.59 | 3802.37 |
| | 19-Apr-2011 | | | | 13.95 | 3804.01 |
| | 17-Jan-2011 | | | | 13.42 | 3804.54 |
| | 15-Sep-2010 | | | | 12.92 | 3805.04 |
| | 25-Jun-2010 | | | | 14.69 | 3803.27 |
| | 22-Mar-2010 | | | | 13.73 | 3804.23 |
| | 8-Dec-2009 | | | | 13.46 | 3804.50 |
| | 28-Aug-2009 | | | | 13.23 | 3804.73 |
| | 26-May-2009 | | | | 12.87 | 3805.09 |
| | 10-Dec-2008 | | | | 13.42 | 3804.54 |
| | 27-Sep-2008 | | | | NM | NM |
| | 10-Jun-2008 | | | | 14.02 | 3803.94 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| 167-09 | 6-Feb-2018 | 398473.95 | 1519259.34 | 3817.00 | 14.95 | 3802.05 |
| | 7-Nov-2017 | | | | 14.15 | 3802.85 |
| | 7-Aug-2017 | | | | 14.96 | 3802.04 |
| | 16-May-2017 | | | | 17.10 | 3799.90 |
| | 7-Feb-2017 | | | | 15.70 | 3801.30 |
| | 8-Nov-2016 | | | | 15.86 | 3801.14 |
| | 30-Aug-2016 | | | | 15.33 | 3801.67 |
| | 16-May-2016 | | | | 17.64 | 3799.36 |
| | 10-Feb-2016 | | | | 16.66 | 3800.34 |
| | 5-Nov-2015 | | | | 17.28 | 3799.72 |
| | 6-Aug-2015 | | | | 16.30 | 3800.70 |
| | 6-May-2015 | | | | 17.96 | 3799.04 |
| | 5-Feb-2015 | | | | 16.81 | 3800.19 |
| | 5-Nov-2014 | | | | 16.78 | 3800.22 |
| | 13-Aug-2014 | | | | 16.92 | 3800.08 |
| | 18-Jun-2014 | | | | 17.69 | 3799.31 |
| | 12-Feb-2014 | | | | 16.38 | 3800.62 |
| | 6-Nov-2013 | | | | 15.91 | 3801.09 |
| | 6-Aug-2013 | | | | 16.22 | 3800.78 |
| | 7-May-2013 | | | | 16.09 | 3800.91 |
| | 7-Feb-2013 | | | | 15.36 | 3801.64 |
| | 25-Oct-2012 | | | | 15.31 | 3801.69 |
| | 31-Jul-2012 | | | | 15.04 | 3801.96 |
| | 24-Apr-2012 | | | | 15.12 | 3801.88 |
| | 24-Jan-2012 | | | | 14.60 | 3802.40 |
| | 8-Dec-2011 | | | | 14.42 | 3802.58 |
| | 19-Jul-2011 | | | | 13.17 | 3803.83 |
| | 19-Apr-2011 | | | | 12.78 | 3804.22 |
| | 17-Jan-2011 | | | | 12.70 | 3804.30 |
| | 15-Sep-2010 | | | | 11.95 | 3805.05 |
| | 25-Jun-2010 | | | | 13.01 | 3803.99 |
| | 22-Mar-2010 | | | | 12.88 | 3804.12 |
| | 8-Dec-2009 | | | | 12.82 | 3804.18 |
| | 28-Aug-2009 | | | | 12.43 | 3804.57 |
| | 26-May-2009 | | | | 12.44 | 3804.56 |
| | 10-Dec-2008 | | | | 12.78 | 3804.22 |
| | 27-Sep-2008 | | | | 12.07 | 3804.93 |
| | 10-Jun-2008 | | | | 12.94 | 3804.06 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| **Big Sky Dairy** | | | | | | |
| 833-01 | 5-Aug-2017 | 399617.23 | 1521136.33 | 3839.55 | Plugged and Abandoned | |
| | 16-May-2017 | | | | Dry | |
| | 7-Feb-2017 | | | | Dry | |
| | 8-Nov-2016 | | | | Dry | |
| | 16-Aug-2016 | | | | Dry | |
| | 17-May-2016 | | | | Dry | |
| | 10-Feb-2016 | | | | Dry | |
| | 5-Nov-2015 | | | | Dry | |
| | 17-Aug-2015 | | | | Dry | |
| | 6-May-2015 | | | | Dry | |
| | 6-Feb-2015 | | | | Dry | |
| | 5-Nov-2014 | | | | Dry | |
| | 12-Aug-2014 | | | | Dry | |
| | 18-Jun-2014 | | | | Dry | |
| | 12-Feb-2014 | | | | Dry | |
| | 6-Nov-2013 | | | | Dry | |
| | 6-Aug-2013 | | | | Dry | |
| | 8-May-2013 | | | | Dry | |
| | 7-Feb-2013 | | | | Dry | |
| | 25-Oct-2012 | | | | Dry | |
| | 1-Aug-2012 | | | | Dry | |
| | 24-Apr-2012 | | | | Dry | |
| | 24-Jan-2012 | | | | Dry | |
| | 8-Dec-2011 | | | | Dry | |
| | 18-Jul-2011 | | | | Dry | |
| | 19-Apr-2001 | | | | 35.44 | 3804.11 |
| | 17-Jan-2011 | | | | 35.20 | 3804.35 |
| | 14-Sep-2010 | | | | 34.76 | 3804.79 |
| | 22-Jun-2010 | | | | 36.08 | 3803.47 |
| | 22-Mar-2010 | | | | 35.49 | 3804.06 |
| | 8-Dec-2009 | | | | 35.25 | 3804.30 |
| | 28-Aug-2009 | | | | 35.25 | 3804.30 |
| | 26-May-2009 | | | | 34.69 | 3804.86 |
| | 10-Dec-2008 | | | | 34.99 | 3804.56 |
| | 28-Sep-2008 | | | | 34.58 | 3804.97 |
| | 10-Jun-2008 | | | | 36.13 | 3803.42 |
| | 5-Feb-2008 | | | | 35.51 | 3804.04 |
| | 14-Nov-2007 | | | | 35.70 | 3803.85 |
| | 12-Sep-2007 | | | | 35.79 | 3803.76 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| 833-02 | 4-Aug-2023 | 401200.32 | 1520639.92 | 3836.04 | 37.17 | 3798.87 |
| | 3-May-2023 | | | | 36.40 | 3799.64 |
| | 6-Feb-2023 | | | | 35.79 | 3800.25 |
| | 4-Nov-2022 | | | | 36.46 | 3799.58 |
| | 4-Aug-2022 | | | | 36.39 | 3799.65 |
| | 4-May-2022 | | | | 35.60 | 3800.44 |
| | 9-Feb-2022 | | | | 34.64 | 3801.40 |
| | 3-Nov-2021 | | | | 35.41 | 3800.63 |
| | 6-Aug-2021 | | | | 35.89 | 3800.15 |
| | 5-May-2021 | | | | 34.56 | 3801.48 |
| | 12-Feb-2021 | | | | 33.94 | 3802.10 |
| | 4-Nov-2020 | | | | 34.15 | 3801.89 |
| | 11-Aug-2020 | | | | 34.18 | 3801.86 |
| | 12-May-2020 | | | | 33.99 | 3802.05 |
| | 6-Feb-2020 | | | | 33.48 | 3802.56 |
| | 8-Nov-2019 | | | | 33.16 | 3802.88 |
| | 5-Aug-2019 | | | | 35.51 | 3800.53 |
| | 9-May-2019 | | | | 35.18 | 3800.86 |
| | 20-Feb-2019 | | | | 33.90 | 3802.14 |
| | 13-Nov-2018 | | | | 34.43 | 3801.61 |
| | 7-Aug-2018 | | | | 34.42 | 3801.62 |
| | 14-May-2018 | | | | 34.05 | 3801.99 |
| | 6-Feb-2018 | | | | 33.45 | 3802.59 |
| | 7-Nov-2017 | | | | 33.19 | 3802.85 |
| | 9-Aug-2017 | | | | 33.78 | 3802.26 |
| | 16-May-2017 | | | | 35.28 | 3800.76 |
| | 7-Feb-2017 | | | | 33.80 | 3802.24 |
| | 8-Nov-2016 | | | | 34.24 | 3801.80 |
| | 16-Aug-2016 | | | | 34.85 | 3801.19 |
| | 17-May-2016 | | | | 35.69 | 3800.35 |
| | 10-Feb-2016 | | | | 34.79 | 3801.25 |
| | 5-Nov-2015 | | | | 35.48 | 3800.56 |
| | 6-Aug-2015 | | | | 35.90 | 3800.14 |
| | 6-May-2015 | | | | 37.04 | 3799.00 |
| | 6-Feb-2015 | | | | 35.20 | 3800.84 |
| | 5-Nov-2014 | | | | 35.48 | 3800.56 |
| | 12-Aug-2014 | | | | 36.02 | 3800.02 |
| | 18-Jun-2014 | | | | 36.72 | 3799.32 |
| | 12-Feb-2014 | | | | 34.61 | 3801.43 |
| | 6-Nov-2013 | | | | 34.80 | 3801.24 |
| | 6-Aug-2013 | | | | 35.44 | 3800.60 |
| | 8-May-2013 | | | | 35.13 | 3800.91 |
| | 7-Feb-2013 | | | | 33.42 | 3802.62 |
| | 25-Oct-2012 | | | | 34.61 | 3801.43 |
| | 1-Aug-2012 | | | | 34.90 | 3801.14 |
| | 24-Apr-2012 | | | | 33.49 | 3802.55 |
| | 24-Jan-2012 | | | | 34.01 | 3802.03 |
| | 8-Dec-2011 | | | | 33.08 | 3802.96 |
| | 18-Jul-2011 | | | | 32.92 | 3803.12 |
| | 19-Apr-2011 | | | | 31.92 | 3804.12 |
| | 17-Jan-2011 | | | | 30.43 | 3805.61 |
| | 14-Sep-2010 | | | | 30.34 | 3805.70 |
| | 22-Jun-2010 | | | | 31.37 | 3804.67 |
| | 22-Mar-2010 | | | | 30.87 | 3805.17 |
| | 8-Dec-2009 | | | | 30.40 | 3805.64 |
| | 28-Aug-2009 | | | | 30.58 | 3805.46 |
| | 26-May-2009 | | | | 30.24 | 3805.80 |
| | 10-Dec-2008 | | | | 30.13 | 3805.91 |
| | 28-Sep-2008 | | | | 29.80 | 3806.24 |
| | 10-Jun-2008 | | | | 31.21 | 3804.83 |
| | 5-Feb-2008 | | | | 30.63 | 3805.41 |
| | 14-Nov-2007 | | | | 30.60 | 3805.44 |
| | 12-Sep-2007 | | | | 30.63 | 3805.41 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| 833-03 | 5-Aug-2017 | 401392.09 | 1521955.23 | 3867.06 | Plugged and Abandoned | |
| | 16-May-2017 | | | | Dry | |
| | 7-Feb-2017 | | | | Dry | |
| | 8-Nov-2016 | | | | Dry | |
| | 16-Aug-2016 | | | | Dry | |
| | 17-May-2016 | | | | Dry | |
| | 10-Feb-2016 | | | | Dry | |
| | 5-Nov-2015 | | | | Dry | |
| | 17-Aug-2015 | | | | Dry | |
| | 6-May-2015 | | | | Dry | |
| | 6-Feb-2015 | | | | Dry | |
| | 5-Nov-2014 | | | | Dry | |
| | 12-Aug-2014 | | | | Dry | |
| | 18-Jun-2014 | | | | Dry | |
| | 12-Feb-2014 | | | | Dry | |
| | 6-Nov-2013 | | | | Dry | |
| | 6-Aug-2013 | | | | Dry | |
| | 8-May-2013 | | | | Dry | |
| | 7-Feb-2013 | | | | Dry | |
| | 25-Oct-2012 | | | | Dry | |
| | 1-Aug-2012 | | | | Dry | |
| | 24-Apr-2012 | | | | Dry | |
| | 24-Jan-2012 | | | | Dry | |
| | 8-Dec-2011 | | | | Dry | |
| | 18-Jul-2011 | | | | Dry | |
| | 19-Apr-2011 | | | | 61.92 | 3805.14 |
| | 17-Jan-2011 | | | | 61.02 | 3806.04 |
| | 14-Sep-2010 | | | | 60.91 | 3806.15 |
| | 22-Jun-2010 | | | | 61.90 | 3805.16 |
| | 22-Mar-2010 | | | | 61.41 | 3805.65 |
| | 8-Dec-2009 | | | | 61.16 | 3805.90 |
| | 28-Aug-2009 | | | | 61.50 | 3805.56 |
| | 26-May-2009 | | | | 61.26 | 3805.80 |
| | 10-Dec-2008 | | | | 60.76 | 3806.30 |
| | 28-Sep-2008 | | | | 61.59 | 3805.47 |
| | 10-Jun-2008 | | | | 61.83 | 3805.23 |
| | 5-Feb-2008 | | | | 61.11 | 3805.95 |
| | 14-Nov-2007 | | | | 61.08 | 3805.98 |
| | 12-Sep-2007 | | | | 61.11 | 3805.95 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| 833-04 | 4-Aug-2023 | 402898.52 | 1520659.33 | 3845.79 | 45.40 | 3800.39 |
| | 3-May-2023 | | | | 45.05 | 3800.74 |
| | 6-Feb-2023 | | | | 44.15 | 3801.64 |
| | 4-Nov-2022 | | | | 44.77 | 3801.02 |
| | 4-Aug-2022 | | | | 44.66 | 3801.13 |
| | 4-May-2022 | | | | 43.86 | 3801.93 |
| | 9-Feb-2022 | | | | 42.95 | 3802.84 |
| | 3-Nov-2021 | | | | 43.77 | 3802.02 |
| | 6-Aug-2021 | | | | 44.08 | 3801.71 |
| | 5-May-2021 | | | | 43.25 | 3802.54 |
| | 12-Feb-2021 | | | | 42.36 | 3803.43 |
| | 4-Nov-2020 | | | | 42.89 | 3802.90 |
| | 11-Aug-2020 | | | | 42.91 | 3802.88 |
| | 12-May-2020 | | | | 42.28 | 3803.51 |
| | 6-Feb-2020 | | | | 41.99 | 3803.80 |
| | 8-Nov-2019 | | | | 41.68 | 3804.11 |
| | 5-Aug-2019 | | | | 43.88 | 3801.91 |
| | 9-May-2019 | | | | 43.40 | 3802.39 |
| | 20-Feb-2019 | | | | 42.36 | 3803.43 |
| | 13-Nov-2018 | | | | 42.81 | 3802.98 |
| | 7-Aug-2018 | | | | 42.68 | 3803.11 |
| | 14-May-2018 | | | | 42.59 | 3803.20 |
| | 6-Feb-2018 | | | | 41.54 | 3804.25 |
| | 7-Nov-2017 | | | | 42.17 | 3803.62 |
| | 15-Aug-2017 | | | | 42.90 | 3802.89 |
| | 16-May-2017 | | | | 43.63 | 3802.16 |
| | 7-Feb-2017 | | | | 42.47 | 3803.32 |
| | 8-Nov-2016 | | | | 42.90 | 3802.89 |
| | 16-Aug-2016 | | | | 43.91 | 3801.88 |
| | 20-May-2016 | | | | 44.20 | 3801.59 |
| | 10-Feb-2016 | | | | 43.15 | 3802.64 |
| | 5-Nov-2015 | | | | 43.92 | 3801.87 |
| | 6-Aug-2015 | | | | 44.49 | 3801.30 |
| | 6-May-2015 | | | | 44.98 | 3800.81 |
| | 6-Feb-2015 | | | | 43.67 | 3802.12 |
| | 5-Nov-2014 | | | | 43.98 | 3801.81 |
| | 12-Aug-2014 | | | | 44.62 | 3801.17 |
| | 18-Jun-2014 | | | | 45.07 | 3800.72 |
| | 12-Feb-2014 | | | | 43.19 | 3802.60 |
| | 6-Nov-2013 | | | | 43.59 | 3802.20 |
| | 6-Aug-2013 | | | | 44.00 | 3801.79 |
| | 8-May-2013 | | | | 43.63 | 3802.16 |
| | 7-Feb-2013 | | | | 41.70 | 3804.09 |
| | 25-Oct-2012 | | | | 41.83 | 3803.96 |
| | 1-Aug-2012 | | | | 42.70 | 3803.09 |
| | 24-Apr-2012 | | | | 42.32 | 3803.47 |
| | 24-Jan-2012 | | | | 40.87 | 3804.92 |
| | 8-Dec-2011 | | | | 41.55 | 3804.24 |
| | 18-Jul-2011 | | | | 41.05 | 3804.74 |
| | 19-Apr-2011 | | | | 39.24 | 3806.55 |
| | 17-Jan-2011 | | | | 38.80 | 3806.99 |
| | 14-Sep-2010 | | | | 38.84 | 3806.95 |
| | 22-Jun-2010 | | | | 39.19 | 3806.60 |
| | 22-Mar-2010 | | | | 39.13 | 3806.66 |
| | 8-Dec-2009 | | | | 38.85 | 3806.94 |
| | 28-Aug-2009 | | | | 39.24 | 3806.55 |
| | 26-May-2009 | | | | 39.31 | 3806.48 |
| | 10-Dec-2008 | | | | 38.41 | 3807.38 |
| | 28-Sep-2008 | | | | 38.42 | 3807.37 |
| | 10-Jun-2008 | | | | 39.46 | 3806.33 |
| | 5-Feb-2008 | | | | 38.61 | 3807.18 |
| | 14-Nov-2007 | | | | 38.54 | 3807.25 |
| | 12-Sep-2007 | | | | 38.96 | 3806.83 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| 833-05 | 4-Aug-2023 | 399712.39 | 1522374.73 | 3865.51 | 67.67 | 3797.84 |
| | 3-May-2023 | | | | 67.57 | 3797.94 |
| | 7-Feb-2023 | | | | 66.77 | 3798.74 |
| | 4-Nov-2022 | | | | 67.11 | 3798.40 |
| | 5-Aug-2022 | | | | 66.78 | 3798.73 |
| | 4-May-2022 | | | | 66.12 | 3799.39 |
| | 9-Feb-2022 | | | | 65.17 | 3800.34 |
| | 3-Nov-2021 | | | | 66.06 | 3799.45 |
| | 6-Aug-2021 | | | | 66.30 | 3799.21 |
| | 5-May-2021 | | | | 65.75 | 3799.76 |
| | 12-Feb-2021 | | | | 64.89 | 3800.62 |
| | 4-Nov-2020 | | | | 65.24 | 3800.27 |
| | 12-Aug-2020 | | | | 65.27 | 3800.24 |
| | 12-May-2020 | | | | 65.91 | 3799.60 |
| | 6-Feb-2020 | | | | 65.00 | 3800.51 |
| | 7-Nov-2019 | | | | 65.94 | 3799.57 |
| | 2-Aug-2019 | | | | 66.10 | 3799.41 |
| | 9-May-2019 | | | | 65.74 | 3799.77 |
| | 20-Feb-2019 | | | | 64.85 | 3800.66 |
| | 13-Nov-2018 | | | | 65.51 | 3800.00 |
| | 7-Aug-2018 | | | | 65.44 | 3800.07 |
| | 14-May-2018 | | | | 65.05 | 3800.46 |
| | 6-Feb-2018 | | | | 64.21 | 3801.30 |
| | 7-Nov-2017 | | | | 64.45 | 3801.06 |
| | 9-Aug-2017 | | | | 65.38 | 3800.13 |
| | 16-May-2017 | | | | 66.10 | 3799.41 |
| | 7-Feb-2017 | | | | 65.05 | 3800.46 |
| | 8-Nov-2016 | | | | 65.53 | 3799.98 |
| | 16-Aug-2016 | | | | 66.06 | 3799.45 |
| | 17-May-2016 | | | | 66.39 | 3799.12 |
| | 10-Feb-2016 | | | | 65.94 | 3799.57 |
| | 5-Nov-2015 | | | | 66.28 | 3799.23 |
| | 6-Aug-2015 | | | | 66.74 | 3798.77 |
| | 6-May-2015 | | | | 67.03 | 3798.48 |
| | 6-Feb-2015 | | | | 65.76 | 3799.75 |
| | 10-Nov-2014 | | | | 66.10 | 3799.41 |
| | 12-Aug-2014 | | | | 66.71 | 3798.80 |
| | 18-Jun-2014 | | | | 66.83 | 3798.68 |
| | 12-Feb-2014 | | | | 65.32 | 3800.19 |
| | 6-Nov-2013 | | | | 65.29 | 3800.22 |
| | 6-Aug-2013 | | | | 65.80 | 3799.71 |
| | 8-May-2013 | | | | 65.19 | 3800.32 |
| | 7-Feb-2013 | | | | 64.21 | 3801.30 |
| | 25-Oct-2012 | | | | 64.60 | 3800.91 |
| | 1-Aug-2012 | | | | 65.01 | 3800.50 |
| | 24-Apr-2012 | | | | 64.40 | 3801.11 |
| | 24-Jan-2012 | | | | 63.60 | 3801.91 |
| | 8-Dec-2011 | | | | 63.63 | 3801.88 |
| | 18-Jul-2011 | | | | 63.23 | 3802.28 |
| | 19-Apr-2011 | | | | 62.33 | 3803.18 |
| | 24-Jan-2011 | | | | 61.90 | 3803.61 |
| | 14-Sep-2010 | | | | 61.05 | 3804.46 |
| | 22-Jun-2010 | | | | 61.97 | 3803.54 |
| | 22-Mar-2010 | | | | 61.52 | 3803.99 |
| | 8-Dec-2009 | | | | 61.39 | 3804.12 |
| | 28-Aug-2009 | | | | 61.52 | 3803.99 |
| | 26-May-2009 | | | | 61.14 | 3804.37 |
| | 10-Dec-2008 | | | | 61.07 | 3804.44 |
| | 28-Sep-2008 | | | | 60.99 | 3804.52 |
| | 10-Jun-2008 | | | | 62.28 | 3803.23 |
| | 5-Feb-2008 | | | | 61.52 | 3803.99 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| 833-06 | 4-Aug-2023 | 402219.48 | 1522652.04 | 3878.20 | 77.07 | 3801.13 |
| | 3-May-2023 | | | | 77.25 | 3800.95 |
| | 6-Feb-2023 | | | | 76.90 | 3801.30 |
| | 4-Nov-2022 | | | | 76.61 | 3801.59 |
| | 4-Aug-2022 | | | | 76.85 | 3801.35 |
| | 4-May-2022 | | | | 76.38 | 3801.82 |
| | 9-Feb-2022 | | | | 75.73 | 3802.47 |
| | 3-Nov-2021 | | | | 76.40 | 3801.80 |
| | 6-Aug-2021 | | | | 76.35 | 3801.85 |
| | 5-May-2021 | | | | 76.11 | 3802.09 |
| | 12-Feb-2021 | | | | 75.73 | 3802.47 |
| | 4-Nov-2020 | | | | 76.00 | 3802.20 |
| | 12-Aug-2020 | | | | 75.51 | 3802.69 |
| | 12-May-2020 | | | | 76.09 | 3802.11 |
| | 6-Feb-2020 | | | | 76.00 | 3802.20 |
| | 7-Nov-2019 | | | | 76.51 | 3801.69 |
| | 2-Aug-2019 | | | | 76.46 | 3801.74 |
| | 9-May-2019 | | | | 76.00 | 3802.20 |
| | 20-Feb-2019 | | | | 75.56 | 3802.64 |
| | 13-Nov-2018 | | | | 75.75 | 3802.45 |
| | 7-Aug-2018 | | | | 75.39 | 3802.81 |
| | 14-May-2018 | | | | 75.05 | 3803.15 |
| | 6-Feb-2018 | | | | 75.20 | 3803.00 |
| | 7-Nov-2017 | | | | 75.51 | 3802.69 |
| | 9-Aug-2017 | | | | 76.35 | 3801.85 |
| | 16-May-2017 | | | | 76.41 | 3801.79 |
| | 7-Feb-2017 | | | | 75.84 | 3802.36 |
| | 8-Nov-2016 | | | | 76.13 | 3802.07 |
| | 16-Aug-2016 | | | | 76.53 | 3801.67 |
| | 17-May-2016 | | | | 76.58 | 3801.62 |
| | 10-Feb-2016 | | | | 76.15 | 3802.05 |
| | 5-Nov-2015 | | | | 76.11 | 3802.09 |
| | 6-Aug-2015 | | | | 76.49 | 3801.71 |
| | 6-May-2015 | | | | 76.57 | 3801.63 |
| | 6-Feb-2015 | | | | 75.79 | 3802.41 |
| | 5-Nov-2014 | | | | 75.96 | 3802.24 |
| | 12-Aug-2014 | | | | 76.20 | 3802.00 |
| | 18-Jun-2014 | | | | 76.18 | 3802.02 |
| | 12-Feb-2014 | | | | 75.43 | 3802.77 |
| | 6-Nov-2013 | | | | 75.12 | 3803.08 |
| | 6-Aug-2013 | | | | 75.47 | 3802.73 |
| | 8-May-2013 | | | | 74.67 | 3803.53 |
| | 7-Feb-2013 | | | | 73.80 | 3804.40 |
| | 25-Oct-2012 | | | | 73.93 | 3804.27 |
| | 1-Aug-2012 | | | | 74.06 | 3804.14 |
| | 24-Apr-2012 | | | | 73.97 | 3804.23 |
| | 24-Jan-2012 | | | | 73.50 | 3804.70 |
| | 8-Dec-2011 | | | | 73.41 | 3804.79 |
| | 18-Jul-2011 | | | | 72.93 | 3805.27 |
| | 25-Apr-2001 | | | | 72.16 | 3806.04 |
| | 17-Jan-2011 | | | | 71.43 | 3806.77 |
| | 14-Sep-2010 | | | | 72.05 | 3806.15 |
| | 22-Jun-2010 | | | | 72.08 | 3806.12 |
| | 22-Mar-2010 | | | | 72.00 | 3806.20 |
| | 8-Dec-2009 | | | | 71.92 | 3806.28 |
| | 28-Aug-2009 | | | | 72.22 | 3805.98 |
| | 26-May-2009 | | | | 72.02 | 3806.18 |
| | 10-Dec-2008 | | | | 70.95 | 3807.25 |
| | 28-Sep-2008 | | | | 70.87 | 3807.33 |
| | 10-Jun-2008 | | | | 71.78 | 3806.42 |
| | 5-Feb-2008 | | | | 71.47 | 3806.73 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| 833-07 | 4-Aug-2023 | 399298.8 | 1522082.75 | 3860.70 | 63.24 | 3797.46 |
| | 3-May-2023 | | | | 63.03 | 3797.67 |
| | 7-Feb-2023 | | | | 62.29 | 3798.41 |
| | 4-Nov-2022 | | | | 62.57 | 3798.13 |
| | 5-Aug-2022 | | | | 62.46 | 3798.24 |
| | 4-May-2022 | | | | 61.80 | 3798.90 |
| | 9-Feb-2022 | | | | 60.86 | 3799.84 |
| | 3-Nov-2021 | | | | 61.72 | 3798.98 |
| | 6-Aug-2021 | | | | 61.97 | 3798.73 |
| | 5-May-2021 | | | | 61.30 | 3799.40 |
| | 12-Feb-2021 | | | | 60.33 | 3800.37 |
| | 4-Nov-2020 | | | | 60.76 | 3799.94 |
| | 12-Aug-2020 | | | | 60.92 | 3799.78 |
| | 12-May-2020 | | | | 61.51 | 3799.19 |
| | 6-Feb-2020 | | | | 61.06 | 3799.64 |
| | 7-Nov-2019 | | | | 61.46 | 3799.24 |
| | 2-Aug-2019 | | | | 61.60 | 3799.10 |
| | 9-May-2019 | | | | 61.38 | 3799.32 |
| | 20-Feb-2019 | | | | 60.35 | 3800.35 |
| | 13-Nov-2018 | | | | 61.06 | 3799.64 |
| | 7-Aug-2018 | | | | 61.07 | 3799.63 |
| | 14-May-2018 | | | | 60.75 | 3799.95 |
| | 6-Feb-2018 | | | | 59.74 | 3800.96 |
| | 7-Nov-2017 | | | | 60.00 | 3800.70 |
| | 9-Aug-2017 | | | | 60.87 | 3799.83 |
| | 16-May-2017 | | | | 61.75 | 3798.95 |
| | 7-Feb-2017 | | | | 60.56 | 3800.14 |
| | 8-Nov-2016 | | | | 61.27 | 3799.43 |
| | 16-Aug-2016 | | | | 61.60 | 3799.10 |
| | 17-May-2016 | | | | 62.10 | 3798.60 |
| | 10-Feb-2016 | | | | 61.48 | 3799.22 |
| | 5-Nov-2015 | | | | 61.95 | 3798.75 |
| | 6-Aug-2015 | | | | 62.28 | 3798.42 |
| | 6-May-2015 | | | | 62.87 | 3797.83 |
| | 6-Feb-2015 | | | | 61.34 | 3799.36 |
| | 10-Nov-2014 | | | | 61.75 | 3798.95 |
| | 12-Aug-2014 | | | | 62.28 | 3798.42 |
| | 18-Jun-2014 | | | | 62.58 | 3798.12 |
| | 12-Feb-2014 | | | | 60.88 | 3799.82 |
| | 6-Nov-2013 | | | | 61.12 | 3799.58 |
| | 6-Aug-2013 | | | | 61.45 | 3799.25 |
| | 8-May-2013 | | | | 60.76 | 3799.94 |
| | 7-Feb-2013 | | | | 59.82 | 3800.88 |
| | 25-Oct-2012 | | | | 60.22 | 3800.48 |
| | 1-Aug-2012 | | | | 60.63 | 3800.07 |
| | 24-Apr-2012 | | | | 60.25 | 3800.45 |
| | 24-Jan-2012 | | | | 59.71 | 3800.99 |
| | 8-Dec-2011 | | | | 59.26 | 3801.44 |
| | 18-Jul-2011 | | | | 58.99 | 3801.71 |
| | 19-Apr-2011 | | | | 57.95 | 3802.75 |
| | 17-Jan-2011 | | | | 56.87 | 3803.83 |
| | 14-Sep-2010 | | | | 56.61 | 3804.09 |
| | 22-Jun-2010 | | | | 57.55 | 3803.15 |
| | 22-Mar-2010 | | | | 57.05 | 3803.65 |
| | 8-Dec-2009 | | | | 56.94 | 3803.76 |
| | 28-Aug-2009 | | | | 57.02 | 3803.68 |
| | 26-May-2009 | | | | 56.64 | 3804.06 |
| | 10-Dec-2008 | | | | 56.58 | 3804.12 |
| | 28-Sep-2008 | | | | 58.53 | 3802.17 |
| | 10-Jun-2008 | | | | 57.88 | 3802.82 |
| | 5-Feb-2008 | | | | 57.11 | 3803.59 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| 833-08 | 4-Aug-2023 | 400535.64 | 1521938.23 | 3861.76 | 63.02 | 3798.74 |
| | 3-May-2023 | | | | 62.92 | 3798.84 |
| | 6-Feb-2023 | | | | 62.10 | 3799.66 |
| | 4-Nov-2022 | | | | 62.35 | 3799.41 |
| | 4-Aug-2022 | | | | 61.95 | 3799.81 |
| | 4-May-2022 | | | | 61.16 | 3800.60 |
| | 9-Feb-2022 | | | | 60.24 | 3801.52 |
| | 3-Nov-2021 | | | | 61.00 | 3800.76 |
| | 6-Aug-2021 | | | | 61.51 | 3800.25 |
| | 5-May-2021 | | | | 61.01 | 3800.75 |
| | 12-Feb-2021 | | | | 60.71 | 3801.05 |
| | 4-Nov-2020 | | | | 61.01 | 3800.75 |
| | 11-Aug-2020 | | | | 61.68 | 3800.08 |
| | 12-May-2020 | | | | 61.12 | 3800.64 |
| | 6-Feb-2020 | | | | 60.96 | 3800.80 |
| | 7-Nov-2019 | | | | 61.28 | 3800.48 |
| | 2-Aug-2019 | | | | 61.46 | 3800.30 |
| | 9-May-2019 | | | | 60.92 | 3800.84 |
| | 20-Feb-2019 | | | | 60.10 | 3801.66 |
| | 13-Nov-2018 | | | | 60.65 | 3801.11 |
| | 7-Aug-2018 | | | | 60.44 | 3801.32 |
| | 14-May-2018 | | | | 59.75 | 3802.01 |
| | 6-Feb-2018 | | | | 59.31 | 3802.45 |
| | 7-Nov-2017 | | | | 59.51 | 3802.25 |
| | 9-Aug-2017 | | | | 60.33 | 3801.43 |
| | 16-May-2017 | | | | 61.03 | 3800.73 |
| | 7-Feb-2017 | | | | 60.21 | 3801.55 |
| | 8-Nov-2016 | | | | 60.56 | 3801.20 |
| | 16-Aug-2016 | | | | 61.21 | 3800.55 |
| | 17-May-2016 | | | | 61.14 | 3800.62 |
| | 10-Feb-2016 | | | | 61.11 | 3800.65 |
| | 5-Nov-2015 | | | | 61.32 | 3800.44 |
| | 6-Aug-2015 | | | | 61.98 | 3799.78 |
| | 6-May-2015 | | | | 62.22 | 3799.54 |
| | 6-Feb-2015 | | | | 61.04 | 3800.72 |
| | 10-Nov-2014 | | | | 61.22 | 3800.54 |
| | 12-Aug-2014 | | | | 61.97 | 3799.79 |
| | 18-Jun-2014 | | | | 62.07 | 3799.69 |
| | 12-Feb-2014 | | | | 60.68 | 3801.08 |
| | 6-Nov-2013 | | | | 60.79 | 3800.97 |
| | 6-Aug-2013 | | | | 61.07 | 3800.69 |
| | 8-May-2013 | | | | 60.60 | 3801.16 |
| | 7-Feb-2013 | | | | 59.43 | 3802.33 |
| | 25-Oct-2012 | | | | 59.75 | 3802.01 |
| | 1-Aug-2012 | | | | 60.24 | 3801.52 |
| | 24-Apr-2012 | | | | 59.81 | 3801.95 |
| | 24-Jan-2012 | | | | 58.86 | 3802.90 |
| | 8-Dec-2011 | | | | 58.96 | 3802.80 |
| | 18-Jul-2011 | | | | 58.36 | 3803.40 |
| | 25-Apr-2011 | | | | 56.54 | 3805.22 |
| | 17-Jan-2011 | | | | 56.55 | 3805.21 |
| | 14-Sep-2010 | | | | 56.34 | 3805.42 |
| | 22-Jun-2010 | | | | 57.32 | 3804.44 |
| | 22-Mar-2010 | | | | 56.83 | 3804.93 |
| | 8-Dec-2009 | | | | 56.63 | 3805.13 |
| | 28-Aug-2009 | | | | 56.83 | 3804.93 |
| | 26-May-2009 | | | | 56.41 | 3805.35 |
| | 10-Dec-2008 | | | | 56.34 | 3805.42 |
| | 28-Sep-2008 | | | | 56.07 | 3805.69 |
| | 10-Jun-2008 | | | | 57.46 | 3804.30 |
| | 5-Feb-2008 | | | | 56.78 | 3804.98 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| 833-09 | 4-Aug-2023 | 398280.67 | 1520918.52 | 3826.27 | 29.22 | 3797.05 |
| | 4-May-2023 | | | | 29.03 | 3797.24 |
| | 7-Feb-2023 | | | | 28.26 | 3798.01 |
| | 4-Nov-2022 | | | | 28.50 | 3797.77 |
| | 5-Aug-2022 | | | | 29.03 | 3797.24 |
| | 4-May-2022 | | | | 28.15 | 3798.12 |
| | 9-Feb-2022 | | | | 27.29 | 3798.98 |
| | 3-Nov-2021 | | | | 28.11 | 3798.16 |
| | 6-Aug-2021 | | | | 28.48 | 3797.79 |
| | 5-May-2021 | | | | 27.57 | 3798.70 |
| | 12-Feb-2021 | | | | 26.11 | 3800.16 |
| | 4-Nov-2020 | | | | 26.88 | 3799.39 |
| | 12-Aug-2020 | | | | 27.02 | 3799.25 |
| | 12-May-2020 | | | | 27.65 | 3798.62 |
| | 6-Feb-2020 | | | | 27.06 | 3799.21 |
| | 8-Nov-2019 | | | | 27.78 | 3798.49 |
| | 2-Aug-2019 | | | | 27.39 | 3798.88 |
| | 9-May-2019 | | | | 27.71 | 3798.56 |
| | 20-Feb-2019 | | | | 26.24 | 3800.03 |
| | 13-Nov-2018 | | | | 26.73 | 3799.54 |
| | 7-Aug-2018 | | | | 27.00 | 3799.27 |
| | 14-May-2018 | | | | 27.19 | 3799.08 |
| | 6-Feb-2018 | | | | 25.77 | 3800.50 |
| | 7-Nov-2017 | | | | 25.92 | 3800.35 |
| | 9-Aug-2017 | | | | 26.22 | 3800.05 |
| | 16-May-2017 | | | | 28.00 | 3798.27 |
| | 7-Feb-2017 | | | | 26.48 | 3799.79 |
| | 8-Nov-2016 | | | | 27.24 | 3799.03 |
| | 16-Aug-2016 | | | | 26.92 | 3799.35 |
| | 17-May-2016 | | | | 28.82 | 3797.45 |
| | 10-Feb-2016 | | | | 27.49 | 3798.78 |
| | 5-Nov-2015 | | | | 27.98 | 3798.29 |
| | 6-Aug-2015 | | | | 27.74 | 3798.53 |
| | 6-May-2015 | | | | 28.86 | 3797.41 |
| | 6-Feb-2015 | | | | 27.20 | 3799.07 |
| | 5-Nov-2014 | | | | 27.74 | 3798.53 |
| | 12-Aug-2014 | | | | 27.71 | 3798.56 |
| | 18-Jun-2014 | | | | 28.71 | 3797.56 |
| | 12-Feb-2014 | | | | 26.82 | 3799.45 |
| | 6-Nov-2013 | | | | 27.49 | 3798.78 |
| | 6-Aug-2013 | | | | 27.76 | 3798.51 |
| | 8-May-2013 | | | | 27.31 | 3798.96 |
| | 7-Feb-2013 | | | | 26.26 | 3800.01 |
| | 25-Oct-2012 | | | | 26.30 | 3799.97 |
| | 1-Aug-2012 | | | | 27.21 | 3799.06 |
| | 24-Apr-2012 | | | | 26.44 | 3799.83 |
| | 24-Jan-2012 | | | | 25.42 | 3800.85 |
| | 8-Dec-2011 | | | | 25.08 | 3801.19 |
| | 18-Jul-2011 | | | | 25.41 | 3800.86 |
| | 25-Apr-2011 | | | | 22.86 | 3803.41 |
| | 17-Jan-2011 | | | | 22.87 | 3803.40 |
| | 15-Sep-2010 | | | | 22.56 | 3803.71 |
| | 22-Jun-2010 | | | | 23.99 | 3802.28 |
| | 22-Mar-2010 | | | | 23.20 | 3803.07 |
| | 8-Dec-2009 | | | | 22.87 | 3803.40 |
| | 28-Aug-2009 | | | | 22.67 | 3803.60 |
| | 26-May-2009 | | | | 22.40 | 3803.87 |
| | 10-Dec-2008 | | | | 22.65 | 3803.62 |
| | 28-Sep-2008 | | | | 22.18 | 3804.09 |
| | 10-Jun-2008 | | | | 23.71 | 3802.56 |
| | 5-Feb-2008 | | | | 23.23 | 3803.04 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| 833-10 | 4-Aug-2023 | 396715.89 | 1520283.6 | 3820.76 | 22.84 | 3797.92 |
| | 4-May-2023 | | | | 23.51 | 3797.25 |
| | 7-Feb-2023 | | | | 22.91 | 3797.85 |
| | 4-Nov-2022 | | | | 23.18 | 3797.58 |
| | 5-Aug-2022 | | | | 22.85 | 3797.91 |
| | 4-May-2022 | | | | 22.66 | 3798.10 |
| | 9-Feb-2022 | | | | 21.84 | 3798.92 |
| | 3-Nov-2021 | | | | 22.50 | 3798.26 |
| | 6-Aug-2021 | | | | 22.28 | 3798.48 |
| | 5-May-2021 | | | | 21.69 | 3799.07 |
| | 12-Feb-2021 | | | | 20.70 | 3800.06 |
| | 4-Nov-2020 | | | | 20.90 | 3799.86 |
| | 12-Aug-2020 | | | | 21.20 | 3799.56 |
| | 12-May-2020 | | | | 22.00 | 3798.76 |
| | 6-Feb-2020 | | | | 21.02 | 3799.74 |
| | 8-Nov-2019 | | | | 21.38 | 3799.38 |
| | 2-Aug-2019 | | | | 20.35 | 3800.41 |
| | 9-May-2019 | | | | 22.12 | 3798.64 |
| | 20-Feb-2019 | | | | 21.04 | 3799.72 |
| | 13-Nov-2018 | | | | 21.16 | 3799.60 |
| | 7-Aug-2018 | | | | 20.89 | 3799.87 |
| | 14-May-2018 | | | | 22.03 | 3798.73 |
| | 6-Feb-2018 | | | | 20.60 | 3800.16 |
| | 7-Nov-2017 | | | | 20.65 | 3800.11 |
| | 9-Aug-2017 | | | | 20.58 | 3800.18 |
| | 16-May-2017 | | | | 22.66 | 3798.10 |
| | 7-Feb-2017 | | | | 21.55 | 3799.21 |
| | 8-Nov-2016 | | | | 21.86 | 3798.90 |
| | 16-Aug-2016 | | | | 20.55 | 3800.21 |
| | 17-May-2016 | | | | 23.34 | 3797.42 |
| | 10-Feb-2016 | | | | 22.38 | 3798.38 |
| | 5-Nov-2015 | | | | 22.80 | 3797.96 |
| | 6-Aug-2015 | | | | 20.95 | 3799.81 |
| | 6-May-2015 | | | | 23.58 | 3797.18 |
| | 6-Feb-2015 | | | | 22.24 | 3798.52 |
| | 10-Nov-2014 | | | | 22.95 | 3797.81 |
| | 12-Aug-2014 | | | | 21.05 | 3799.71 |
| | 18-Jun-2014 | | | | 22.37 | 3798.39 |
| | 12-Feb-2014 | | | | 21.61 | 3799.15 |
| | 6-Nov-2013 | | | | 21.76 | 3799.00 |
| | 6-Aug-2013 | | | | 21.95 | 3798.81 |
| | 8-May-2013 | | | | 22.26 | 3798.50 |
| | 7-Feb-2013 | | | | 21.12 | 3799.64 |
| | 25-Oct-2012 | | | | 20.93 | 3799.83 |
| | 1-Aug-2012 | | | | 21.01 | 3799.75 |
| | 24-Apr-2012 | | | | 21.11 | 3799.65 |
| | 24-Jan-2012 | | | | 20.14 | 3800.62 |
| | 8-Dec-2011 | | | | 19.95 | 3800.81 |
| | 18-Jul-2011 | | | | 19.23 | 3801.53 |
| | 19-Apr-2011 | | | | 18.67 | 3802.09 |
| | 17-Jan-2011 | | | | 17.80 | 3802.96 |
| | 15-Sep-2010 | | | | 17.29 | 3803.47 |
| | 22-Jun-2010 | | | | 18.80 | 3801.96 |
| | 22-Mar-2010 | | | | 18.38 | 3802.38 |
| | 8-Dec-2009 | | | | 17.72 | 3803.04 |
| | 28-Aug-2009 | | | | 17.22 | 3803.54 |
| | 26-May-2009 | | | | 17.40 | 3803.36 |
| | 10-Dec-2008 | | | | 17.71 | 3803.05 |
| | 28-Sep-2008 | | | | 16.98 | 3803.78 |
| | 10-Jun-2008 | | | | 18.17 | 3802.59 |
| | 5-Feb-2008 | | | | 18.11 | 3802.65 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| **Sunset/Desert Land Dairy** | | | | | | |
| 257-01 | 4-Aug-2023 | 395856.31 | 1520572.16 | 3820.33 | 22.50 | 3797.83 |
| | 4-May-2023 | | | | 22.40 | 3797.93 |
| | 7-Feb-2023 | | | | 21.59 | 3798.74 |
| | 4-Nov-2022 | | | | 22.90 | 3797.43 |
| | 5-Aug-2022 | | | | 22.17 | 3798.16 |
| | 4-May-2022 | | | | 22.44 | 3797.89 |
| | 9-Feb-2022 | | | | 21.90 | 3798.43 |
| | 3-Nov-2021 | | | | 22.62 | 3797.71 |
| | 6-Aug-2021 | | | | 22.11 | 3798.22 |
| | 5-May-2021 | | | | 21.83 | 3798.50 |
| | 12-Feb-2021 | | | | 20.87 | 3799.46 |
| | 4-Nov-2020 | | | | 20.00 | 3800.33 |
| | 12-Aug-2020 | | | | 20.16 | 3800.17 |
| | 12-May-2020 | | | | 20.94 | 3799.39 |
| | 6-Feb-2020 | | | | 19.00 | 3801.33 |
| | 8-Nov-2019 | | | | 18.93 | 3801.40 |
| | 2-Aug-2019 | | | | 19.68 | 3800.65 |
| | 9-May-2019 | | | | 21.99 | 3798.34 |
| | 19-Feb-2019 | | | | 20.85 | 3799.48 |
| | 13-Nov-2018 | | | | 21.16 | 3799.17 |
| | 7-Aug-2018 | | | | 20.60 | 3799.73 |
| | 14-May-2018 | | | | 22.23 | 3798.10 |
| | 6-Feb-2018 | | | | 20.54 | 3799.79 |
| | 7-Nov-2017 | | | | 20.91 | 3799.42 |
| | 9-Aug-2017 | | | | 20.73 | 3799.60 |
| | 16-May-2017 | | | | 22.82 | 3797.51 |
| | 7-Feb-2017 | | | | 21.70 | 3798.63 |
| | 8-Nov-2016 | | | | 22.16 | 3798.17 |
| | 16-Aug-2016 | | | | 20.88 | 3799.45 |
| | 16-May-2016 | | | | 23.72 | 3796.61 |
| | 10-Feb-2016 | | | | 22.30 | 3798.03 |
| | 6-Nov-2015 | | | | 22.99 | 3797.34 |
| | 6-Aug-2015 | | | | 21.13 | 3799.20 |
| | 6-May-2015 | | | | 24.16 | 3796.17 |
| | 6-Feb-2015 | | | | 22.36 | 3797.97 |
| | 10-Nov-2014 | | | | 23.20 | 3797.13 |
| | 12-Aug-2014 | | | | 22.50 | 3797.83 |
| | 18-Jun-2014 | | | | 22.67 | 3797.66 |
| | 12-Feb-2014 | | | | 21.67 | 3798.66 |
| | 6-Nov-2013 | | | | 22.29 | 3798.04 |
| | 6-Aug-2013 | | | | 22.52 | 3797.81 |
| | 7-May-2013 | | | | 21.15 | 3799.18 |
| | 7-Feb-2013 | | | | 20.38 | 3799.95 |
| | 26-Oct-2012 | | | | 21.04 | 3799.29 |
| | 1-Aug-2012 | | | | 20.82 | 3799.51 |
| | 24-Apr-2012 | | | | 21.01 | 3799.32 |
| | 24-Jan-2012 | | | | 20.09 | 3800.24 |
| | 8-Dec-2011 | | | | 20.18 | 3800.15 |
| | 18-Jul-2011 | | | | 19.75 | 3800.58 |
| | 19-Apr-2011 | | | | 18.52 | 3801.81 |
| | 18-Jan-2011 | | | | 17.83 | 3802.50 |
| | 15-Sep-2010 | | | | 17.15 | 3803.18 |
| | 22-Jun-2010 | | | | 18.15 | 3802.18 |
| | 22-Mar-2010 | | | | 18.40 | 3801.93 |
| | 8-Dec-2009 | | | | 17.66 | 3802.67 |
| | 28-Aug-2009 | | | | 16.99 | 3803.34 |
| | 26-May-2009 | | | | 17.41 | 3802.92 |
| | 10-Dec-2008 | | | | 17.87 | 3802.46 |
| | 27-Sep-2008 | | | | 16.75 | 3803.58 |
| | 10-Jun-2008 | | | | 17.88 | 3802.45 |
| | 5-Feb-2008 | | | | 17.59 | 3802.74 |
| | 14-Nov-2007 | | | | 18.53 | 3801.80 |
| | 12-Sep-2007 | | | | 18.10 | 3802.23 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| 257-02 | 4-Aug-2023 | 394728.34 | 1521030.29 | 3813.67 | 16.12 | 3797.55 |
| | 4-May-2023 | | | | 17.34 | 3796.33 |
| | 7-Feb-2023 | | | | 16.80 | 3796.87 |
| | 4-Nov-2022 | | | | 17.14 | 3796.53 |
| | 5-Aug-2022 | | | | 17.42 | 3796.25 |
| | 4-May-2022 | | | | 17.06 | 3796.61 |
| | 9-Feb-2022 | | | | 16.18 | 3797.49 |
| | 3-Nov-2021 | | | | 16.42 | 3797.25 |
| | 6-Aug-2021 | | | | 16.21 | 3797.46 |
| | 5-May-2021 | | | | 15.90 | 3797.77 |
| | 12-Feb-2021 | | | | 15.08 | 3798.59 |
| | 4-Nov-2020 | | | | 15.11 | 3798.56 |
| | 12-Aug-2020 | | | | 14.88 | 3798.79 |
| | 12-May-2020 | | | | 15.65 | 3798.02 |
| | 6-Feb-2020 | | | | 14.90 | 3798.77 |
| | 7-Nov-2019 | | | | 14.89 | 3798.78 |
| | 2-Aug-2019 | | | | 15.00 | 3798.67 |
| | 9-May-2019 | | | | 15.71 | 3797.96 |
| | 19-Feb-2019 | | | | 15.05 | 3798.62 |
| | 13-Nov-2018 | | | | 15.50 | 3798.17 |
| | 7-Aug-2018 | | | | 14.52 | 3799.15 |
| | 14-May-2018 | | | | 16.30 | 3797.37 |
| | 6-Feb-2018 | | | | 13.75 | 3799.92 |
| | 7-Nov-2017 | | | | 14.84 | 3798.83 |
| | 9-Aug-2017 | | | | 15.14 | 3798.53 |
| | 16-May-2017 | | | | 16.89 | 3796.78 |
| | 7-Feb-2017 | | | | 15.68 | 3797.99 |
| | 8-Nov-2016 | | | | 16.40 | 3797.27 |
| | 16-Aug-2016 | | | | 15.88 | 3797.79 |
| | 16-May-2016 | | | | 18.19 | 3795.48 |
| | 10-Feb-2016 | | | | 16.76 | 3796.91 |
| | 6-Nov-2015 | | | | 17.65 | 3796.02 |
| | 17-Aug-2015 | | | | 16.41 | 3797.26 |
| | 6-May-2015 | | | | 18.20 | 3795.47 |
| | 6-Feb-2015 | | | | 16.75 | 3796.92 |
| | 10-Nov-2014 | | | | 17.45 | 3796.22 |
| | 13-Aug-2014 | | | | 16.50 | 3797.17 |
| | 18-Jun-2014 | | | | 17.87 | 3795.80 |
| | 12-Feb-2014 | | | | 15.78 | 3797.89 |
| | 6-Nov-2013 | | | | 16.06 | 3797.61 |
| | 6-Aug-2013 | | | | 15.95 | 3797.72 |
| | 7-May-2013 | | | | 15.04 | 3798.63 |
| | 7-Feb-2013 | | | | 14.79 | 3798.88 |
| | 26-Oct-2012 | | | | 15.06 | 3798.61 |
| | 1-Aug-2012 | | | | 14.91 | 3798.76 |
| | 24-Apr-2012 | | | | 15.27 | 3798.40 |
| | 24-Jan-2012 | | | | 13.90 | 3799.77 |
| | 8-Dec-2011 | | | | 14.38 | 3799.29 |
| | 19-Jul-2011 | | | | 13.50 | 3800.17 |
| | 19-Apr-2011 | | | | 12.59 | 3801.08 |
| | 18-Jan-2011 | | | | 11.84 | 3801.83 |
| | 15-Sep-2010 | | | | 10.86 | 3802.81 |
| | 22-Jun-2010 | | | | 11.08 | 3802.59 |
| | 22-Mar-2010 | | | | 12.22 | 3801.45 |
| | 8-Dec-2009 | | | | 11.52 | 3802.15 |
| | 28-Aug-2009 | | | | 10.86 | 3802.81 |
| | 26-May-2009 | | | | 11.38 | 3802.29 |
| | 10-Dec-2008 | | | | 11.67 | 3802.00 |
| | 27-Sep-2008 | | | | 9.75 | 3803.92 |
| | 10-Jun-2008 | | | | 11.82 | 3801.85 |
| | 5-Feb-2008 | | | | 11.67 | 3802.00 |
| | 14-Nov-2007 | | | | 12.22 | 3801.45 |
| | 12-Sep-2007 | | | | 11.55 | 3802.12 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| 257-03 | 4-Aug-2023 | 397935.69 | 1518746.14 | 3814.74 | 14.16 | 3800.58 |
| | 4-May-2023 | | | | 14.93 | 3799.81 |
| | 7-Feb-2023 | | | | 14.08 | 3800.66 |
| | 4-Nov-2022 | | | | 14.59 | 3800.15 |
| | 5-Aug-2022 | | | | 14.30 | 3800.44 |
| | 4-May-2022 | | | | 13.92 | 3800.82 |
| | 9-Feb-2022 | | | | 14.04 | 3800.70 |
| | 3-Nov-2021 | | | | 13.54 | 3801.20 |
| | 6-Aug-2021 | | | | 13.80 | 3800.94 |
| | 5-May-2021 | | | | 12.38 | 3802.36 |
| | 12-Feb-2021 | | | | 11.58 | 3803.16 |
| | 4-Nov-2020 | | | | 11.26 | 3803.48 |
| | 12-Aug-2020 | | | | 10.86 | 3803.88 |
| | 12-May-2020 | | | | Dry | |
| | 6-Feb-2020 | | | | 12.93 | 3801.81 |
| | 8-Nov-2019 | | | | 12.03 | 3802.71 |
| | 2-Aug-2019 | | | | 12.30 | 3802.44 |
| | 9-May-2019 | | | | 13.48 | 3801.26 |
| | 19-Feb-2019 | | | | 13.35 | 3801.39 |
| | 13-Nov-2018 | | | | 12.89 | 3801.85 |
| | 7-Aug-2018 | | | | 11.82 | 3802.92 |
| | 14-May-2018 | | | | 13.08 | 3801.66 |
| | 6-Feb-2018 | | | | 11.86 | 3802.88 |
| | 7-Nov-2017 | | | | 10.05 | 3804.69 |
| | 9-Aug-2017 | | | | 11.58 | 3803.16 |
| | 16-May-2017 | | | | 13.61 | 3801.13 |
| | 7-Feb-2017 | | | | 13.17 | 3801.57 |
| | 8-Nov-2016 | | | | 11.80 | 3802.94 |
| | 16-Aug-2016 | | | | 12.13 | 3802.61 |
| | 16-May-2016 | | | | Dry | |
| | 10-Feb-2016 | | | | 13.45 | 3801.29 |
| | 6-Nov-2015 | | | | 13.96 | 3800.78 |
| | 6-Aug-2015 | | | | 11.35 | 3803.39 |
| | 6-May-2015 | | | | Dry | |
| | 6-Feb-2015 | | | | Dry | |
| | 10-Nov-2014 | | | | Dry | |
| | 13-Aug-2014 | | | | 12.34 | 3802.40 |
| | 18-Jun-2014 | | | | 12.21 | 3802.53 |
| | 12-Feb-2014 | | | | 13.49 | 3801.25 |
| | 6-Nov-2013 | | | | 11.04 | 3803.70 |
| | 6-Aug-2013 | | | | 11.29 | 3803.45 |
| | 7-May-2013 | | | | 12.98 | 3801.76 |
| | 7-Feb-2013 | | | | 12.31 | 3802.43 |
| | 26-Oct-2012 | | | | 11.61 | 3803.13 |
| | 1-Aug-2012 | | | | 10.06 | 3804.68 |
| | 24-Apr-2012 | | | | 11.56 | 3803.18 |
| | 24-Jan-2012 | | | | 10.89 | 3803.85 |
| | 1-Nov-2011 | | | | 11.29 | 3803.45 |
| | 18-Jul-2011 | | | | 8.77 | 3805.97 |
| | 19-Apr-2011 | | | | 9.31 | 3805.43 |
| | 17-Jan-2011 | | | | 10.04 | 3804.70 |
| | 21-Sep-2010 | | | | 9.26 | 3805.48 |
| | 22-Jun-2010 | | | | 9.11 | 3805.63 |
| | 22-Mar-2010 | | | | 10.45 | 3804.29 |
| | 8-Dec-2009 | | | | 9.78 | 3804.96 |
| | 28-Aug-2009 | | | | 9.43 | 3805.31 |
| | 26-May-2009 | | | | 9.55 | 3805.19 |
| | 10-Dec-2008 | | | | 10.26 | 3804.48 |
| | 27-Sep-2008 | | | | 9.73 | 3805.01 |
| | 10-Jun-2008 | | | | 9.70 | 3805.04 |
| | 5-Feb-2008 | | | | 11.04 | 3803.70 |
| | 14-Nov-2007 | | | | 9.03 | 3805.71 |
| | 12-Sep-2007 | | | | 9.61 | 3805.13 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| 257/260-01 | 2-Feb-2018 | 397678.36 | 1519948.22 | 3814.04 | Plugged and Abandoned | |
| | 7-Nov-2017 | | | | Crops too high | |
| | 18-Aug-2017 | | | | 12.44 | Broken casing |
| | 16-May-2017 | | | | 12.47 | Broken casing |
| | 7-Feb-2017 | | | | 5.14 | Broken casing |
| | 8-Nov-2016 | | | | 5.65 | Broken casing |
| | 16-Aug-2016 | | | | NM | NM |
| | 16-May-2016 | | | | 7.12 | Broken casing |
| | 10-Feb-2016 | | | | Broken casing | |
| | 6-Nov-2015 | | | | 12.85 | 3801.19 |
| | 13-Aug-2015 | | | | Crops too high | |
| | 6-May-2015 | | | | 17.12 | 3796.92 |
| | 6-Feb-2015 | | | | 14.71 | 3799.33 |
| | 5-Nov-2014 | | | | 14.93 | 3799.11 |
| | 13-Aug-2014 | | | | 13.28 | 3800.76 |
| | 18-Jun-2014 | | | | 14.53 | 3799.51 |
| | 12-Feb-2014 | | | | 14.06 | 3799.98 |
| | 6-Nov-2013 | | | | 14.01 | 3800.03 |
| | 14-Aug-2013 | | | | 14.20 | 3799.84 |
| | 7-May-2013 | | | | 13.83 | 3800.21 |
| | 7-Feb-2013 | | | | 13.11 | 3800.93 |
| | 26-Oct-2012 | | | | 13.36 | 3800.68 |
| | 1-Aug-2012 | | | | 13.05 | 3800.99 |
| | 24-Apr-2012 | | | | 12.98 | 3801.06 |
| | 30-Jan-2012 | | | | 12.26 | 3801.78 |
| | 1-Nov-2011 | | | | 12.79 | 3801.25 |
| | 18-Jul-2011 | | | | 10.65 | 3803.39 |
| | 26-Apr-2011 | | | | 11.66 | 3802.38 |
| | 17-Jan-2011 | | | | 10.44 | 3803.60 |
| | 15-Sep-2010 | | | | 9.94 | 3804.10 |
| | 22-Jun-2010 | | | | 10.90 | 3803.14 |
| | 22-Mar-2010 | | | | 10.71 | 3803.33 |
| | 8-Dec-2009 | | | | 10.42 | 3803.62 |
| | 28-Aug-2009 | | | | 10.11 | 3803.93 |
| | 26-May-2009 | | | | 10.00 | 3804.04 |
| | 10-Dec-2008 | | | | 10.48 | 3803.56 |
| | 27-Sep-2008 | | | | 9.80 | 3804.24 |
| | 10-Jun-2008 | | | | 11.00 | 3803.04 |
| | 5-Feb-2008 | | | | 10.99 | 3803.05 |
| | 14-Nov-2007 | | | | 11.21 | 3802.83 |
| | 12-Sep-2007 | | | | NM | NM |
| **Additional Wells** | | | | | | |
| Bruce1 | 18-Jul-2011 | 388741.02 | 1523777.06 | 3808.92 | Destroyed | |
| | 19-Apr-2011 | | | | 11.17 | 3797.75 |
| | 17-Jan-2011 | | | | 11.13 | 3797.79 |
| | 15-Sep-2010 | | | | 10.38 | 3798.54 |
| | 23-Jun-2010 | | | | 10.99 | 3797.93 |
| | 21-Mar-2010 | | | | 11.50 | 3797.42 |
| | 8-Dec-2009 | | | | 11.05 | 3797.87 |
| | 27-Aug-2009 | | | | 10.41 | 3798.51 |
| | 27-May-2009 | | | | 10.77 | 3798.15 |
| | 10-Dec-2008 | | | | 11.28 | 3797.64 |
| | 27-Sep-2008 | | | | 10.93 | 3797.99 |
| | 10-Jun-2008 | | | | 11.28 | 3797.64 |
| | 5-Feb-2008 | | | | 11.47 | 3797.45 |
| Bruce2 | 5-Feb-2008 | NM | NM | NM | Destroyed | |
| | 10-Jun-2008 | | | | 8.33 | -- |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| **SOUTHERN AREA** | | | | | | |
| **Del Oro Dairy** | | | | | | |
| 692-01 | 22-Dec-2015 | 373615.88 | 1531529.38 | 3844.13 | Plugged and Abandoned | |
| | 6-Nov-2015 | | | | 62.12 | 3782.01 |
| | 6-Aug-2015 | | | | 61.75 | 3782.38 |
| | 6-May-2015 | | | | 63.02 | 3781.11 |
| | 6-Feb-2015 | | | | 61.28 | 3782.85 |
| | 5-Nov-2014 | | | | 61.43 | 3782.70 |
| | 12-Aug-2014 | | | | 61.27 | 3782.86 |
| | 13-May-2014 | | | | 60.79 | 3783.34 |
| | 14-Feb-2014 | | | | 60.38 | 3783.75 |
| | 6-Nov-2013 | | | | 60.72 | 3783.41 |
| | 6-Aug-2013 | | | | 60.30 | 3783.83 |
| | 7-May-2013 | | | | 60.58 | 3783.55 |
| | 7-Feb-2013 | | | | 59.93 | 3784.20 |
| | 26-Oct-2012 | | | | 60.10 | 3784.03 |
| | 1-Aug-2012 | | | | 58.79 | 3785.34 |
| | 24-Apr-2012 | | | | 58.43 | 3785.70 |
| | 25-Jan-2012 | | | | 78.58 | Pumping |
| | 9-Dec-2011 | | | | 58.19 | 3785.94 |
| | 18-Jul-2011 | | | | 57.79 | 3786.34 |
| | 19-Apr-2011 | | | | 57.39 | 3786.74 |
| | 18-Jan-2011 | | | | 57.17 | 3786.96 |
| | 15-Sep-2010 | | | | 57.57 | 3786.56 |
| | 30-Jun-2010 | | | | 61.15 | Pumping |
| | 22-Mar-2010 | | | | 58.01 | 3786.12 |
| | 9-Dec-2009 | | | | 58.25 | 3785.88 |
| | 29-Aug-2009 | | | | 58.19 | 3785.94 |
| | 26-May-2009 | | | | 57.80 | 3786.33 |
| | 11-Dec-2008 | | | | Pumping | NM |
| | 28-Sep-2008 | | | | Pumping | NM |
| | 11-Jun-2008 | | | | 57.75 | 3786.38 |
| | 6-Feb-2008 | | | | 57.42 | 3786.71 |
| | 14-Nov-2007 | | | | 57.38 | 3786.75 |
| | 13-Sep-2007 | | | | 57.46 | 3786.67 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| 692-02 | 7-Aug-2023 | 372984.72 | 1531192.1 | 3840.84 | 59.76 | 3781.08 |
| | 4-May-2023 | | | | 60.40 | 3780.44 |
| | 7-Feb-2023 | | | | 59.94 | 3780.90 |
| | 4-Nov-2022 | | | | 59.70 | 3781.14 |
| | 5-Aug-2022 | | | | 59.25 | 3781.59 |
| | 4-May-2022 | | | | 58.46 | 3782.38 |
| | 10-Feb-2022 | | | | 57.63 | 3783.21 |
| | 3-Nov-2021 | | | | 58.45 | 3782.39 |
| | 6-Aug-2021 | | | | 58.05 | 3782.79 |
| | 5-May-2021 | | | | 56.69 | 3784.15 |
| | 12-Feb-2021 | | | | 55.03 | 3785.81 |
| | 4-Nov-2020 | | | | 54.17 | 3786.67 |
| | 12-Aug-2020 | | | | 53.90 | 3786.94 |
| | 12-May-2020 | | | | 54.75 | 3786.09 |
| | 6-Feb-2020 | | | | 53.86 | 3786.98 |
| | 7-Nov-2019 | | | | 50.24 | 3790.60 |
| | 5-Aug-2019 | | | | 53.06 | 3787.78 |
| | 9-May-2019 | | | | 59.91 | 3780.93 |
| | 20-Feb-2019 | | | | 59.00 | 3781.84 |
| | 13-Nov-2018 | | | | 60.67 | 3780.17 |
| | 7-Aug-2018 | | | | 60.82 | 3780.02 |
| | 17-May-2018 | | | | 60.68 | 3780.16 |
| | 6-Feb-2018 | | | | 60.60 | 3780.24 |
| | 7-Nov-2017 | | | | 60.78 | 3780.06 |
| | 9-Aug-2017 | | | | 61.10 | 3779.74 |
| | 16-May-2017 | | | | 60.65 | 3780.19 |
| | 7-Feb-2017 | | | | 60.60 | 3780.24 |
| | 8-Nov-2016 | | | | 60.65 | 3780.19 |
| | 16-Aug-2016 | | | | 60.58 | 3780.26 |
| | 17-May-2016 | | | | 60.25 | 3780.59 |
| | 10-Feb-2016 | | | | 60.11 | 3780.73 |
| | 6-Nov-2015 | | | | 59.74 | 3781.10 |
| | 6-Aug-2015 | | | | 59.66 | 3781.18 |
| | 6-May-2015 | | | | 59.50 | 3781.34 |
| | 6-Feb-2015 | | | | 59.02 | 3781.82 |
| | 5-Nov-2014 | | | | 59.27 | 3781.57 |
| | 12-Aug-2014 | | | | 59.01 | 3781.83 |
| | 13-May-2014 | | | | 58.51 | 3782.33 |
| | 14-Feb-2014 | | | | 58.12 | 3782.72 |
| | 6-Nov-2013 | | | | 57.91 | 3782.93 |
| | 6-Aug-2013 | | | | 57.60 | 3783.24 |
| | 7-May-2013 | | | | 57.39 | 3783.45 |
| | 7-Feb-2013 | | | | 56.86 | 3783.98 |
| | 25-Oct-2012 | | | | 56.48 | 3784.36 |
| | 1-Aug-2012 | | | | 56.03 | 3784.81 |
| | 24-Apr-2012 | | | | 55.71 | 3785.13 |
| | 25-Jan-2012 | | | | 54.70 | 3786.14 |
| | 13-Dec-2011 | | | | 54.94 | 3785.90 |
| | 18-Jul-2011 | | | | 55.10 | 3785.74 |
| | 19-Apr-2011 | | | | 54.68 | 3786.16 |
| | 18-Jan-2011 | | | | 54.32 | 3786.52 |
| | 15-Sep-2010 | | | | 54.39 | 3786.45 |
| | 30-Jun-2010 | | | | 54.50 | 3786.34 |
| | 22-Mar-2010 | | | | 54.90 | 3785.94 |
| | 9-Dec-2009 | | | | 55.11 | 3785.73 |
| | 28-Aug-2009 | | | | 55.03 | 3785.81 |
| | 26-May-2009 | | | | 55.38 | 3785.46 |
| | 11-Dec-2008 | | | | 54.93 | 3785.91 |
| | 28-Sep-2008 | | | | 54.69 | 3786.15 |
| | 11-Jun-2008 | | | | 54.93 | 3785.91 |
| | 6-Feb-2008 | | | | 54.74 | 3786.10 |
| | 14-Nov-2007 | | | | 54.42 | 3786.42 |
| | 13-Sep-2007 | | | | 54.61 | 3786.23 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| 692-04 | 7-Aug-2023 | 372982.53 | 1531555.21 | 3842.66 | Dry | |
| | 4-May-2023 | | | | Dry | |
| | 7-Feb-2023 | | | | Dry | |
| | 4-Nov-2022 | | | | Dry | |
| | 5-Aug-2022 | | | | Dry | |
| | 4-May-2022 | | | | 60.01 | 3782.65 |
| | 10-Feb-2022 | | | | 59.40 | 3783.26 |
| | 3-Nov-2021 | | | | 59.90 | 3782.76 |
| | 6-Aug-2021 | | | | 60.40 | 3782.26 |
| | 5-May-2021 | | | | 60.35 | 3782.31 |
| | 12-Feb-2021 | | | | 60.09 | 3782.57 |
| | 4-Nov-2020 | | | | 59.49 | 3783.17 |
| | 12-Aug-2020 | | | | 58.70 | 3783.96 |
| | 12-May-2020 | | | | 59.61 | 3783.05 |
| | 6-Feb-2020 | | | | 58.03 | 3784.63 |
| | 7-Nov-2019 | | | | 55.75 | 3786.91 |
| | 5-Aug-2019 | | | | 58.80 | 3783.86 |
| | 9-May-2019 | | | | Dry | |
| | 20-Feb-2019 | | | | Dry | |
| | 13-Nov-2018 | | | | Dry | |
| | 7-Aug-2018 | | | | Dry | |
| | 17-May-2018 | | | | Dry | |
| | 6-Feb-2018 | | | | Dry | |
| | 7-Nov-2017 | | | | Dry | |
| | 9-Aug-2017 | | | | Dry | |
| | 16-May-2017 | | | | Dry | |
| | 7-Feb-2017 | | | | Dry | |
| | 8-Nov-2016 | | | | Dry | |
| | 16-Aug-2016 | | | | Dry | |
| | 17-May-2016 | | | | Dry | |
| | 10-Feb-2016 | | | | Dry | |
| | 6-Nov-2015 | | | | Dry | |
| | 6-Aug-2015 | | | | 60.53 | 3782.13 |
| | 6-May-2015 | | | | 61.99 | 3780.67 |
| | 6-Feb-2015 | | | | 60.20 | 3782.46 |
| | 5-Nov-2014 | | | | 60.44 | 3782.22 |
| | 12-Aug-2014 | | | | 60.13 | 3782.53 |
| | 13-May-2014 | | | | 59.66 | 3783.00 |
| | 14-Feb-2014 | | | | 59.18 | 3783.48 |
| | 6-Nov-2013 | | | | 59.03 | 3783.63 |
| | 6-Aug-2013 | | | | 58.79 | 3783.87 |
| | 7-May-2013 | | | | 58.68 | 3783.98 |
| | 7-Feb-2013 | | | | 58.05 | 3784.61 |
| | 25-Oct-2012 | | | | 57.62 | 3785.04 |
| | 1-Aug-2012 | | | | 57.34 | 3785.32 |
| | 24-Apr-2012 | | | | 57.13 | 3785.53 |
| | 25-Jan-2012 | | | | 56.34 | 3786.32 |
| | 9-Dec-2011 | | | | 56.91 | 3785.75 |
| | 18-Jul-2011 | | | | 56.92 | 3785.74 |
| | 19-Apr-2011 | | | | 56.47 | 3786.19 |
| | 18-Jan-2011 | | | | 56.15 | 3786.51 |
| | 15-Sep-2010 | | | | 55.90 | 3786.76 |
| | 30-Jun-2010 | | | | 56.81 | 3785.85 |
| | 22-Mar-2010 | | | | 56.81 | 3785.85 |
| | 8-Dec-2009 | | | | 56.86 | 3785.80 |
| | 28-Aug-2009 | | | | 56.82 | 3785.84 |
| | 26-May-2009 | | | | 57.09 | 3785.57 |
| | 11-Dec-2008 | | | | 56.71 | 3785.95 |
| | 28-Sep-2008 | | | | 56.41 | 3786.25 |
| | 11-Jun-2008 | | | | 56.54 | 3786.12 |
| | 6-Feb-2008 | | | | 56.40 | 3786.26 |
| | 14-Nov-2007 | | | | 55.95 | 3786.71 |
| | 13-Sep-2007 | | | | 56.19 | 3786.47 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| 692-05 | 7-Aug-2023 | 374807.26 | 1532403 | 3854.26 | 81.93 | 3772.33 |
| | 4-May-2023 | | | | 81.02 | 3773.24 |
| | 7-Feb-2023 | | | | 81.46 | 3772.80 |
| | 4-Nov-2022 | | | | 82.30 | 3771.96 |
| | 5-Aug-2022 | | | | 82.40 | 3771.86 |
| | 4-May-2022 | | | | 81.60 | 3772.66 |
| | 10-Feb-2022 | | | | 80.87 | 3773.39 |
| | 3-Nov-2021 | | | | 81.98 | 3772.28 |
| | 6-Aug-2021 | | | | 82.70 | 3771.56 |
| | 5-May-2021 | | | | 81.20 | 3773.06 |
| | 12-Feb-2021 | | | | 80.58 | 3773.68 |
| | 4-Nov-2020 | | | | 81.25 | 3773.01 |
| | 12-Aug-2020 | | | | 80.95 | 3773.31 |
| | 12-May-2020 | | | | 81.20 | 3773.06 |
| | 6-Feb-2020 | | | | 80.62 | 3773.64 |
| | 7-Nov-2019 | | | | 80.62 | 3773.64 |
| | 5-Aug-2019 | | | | 81.35 | 3772.91 |
| | 9-May-2019 | | | | 81.34 | 3772.92 |
| | 20-Feb-2019 | | | | 80.65 | 3773.61 |
| | 13-Nov-2018 | | | | 81.85 | 3772.41 |
| | 7-Aug-2018 | | | | 81.75 | 3772.51 |
| | 17-May-2018 | | | | 81.44 | 3772.82 |
| | 6-Feb-2018 | | | | 80.20 | 3774.06 |
| | 7-Nov-2017 | | | | 81.05 | 3773.21 |
| | 9-Aug-2017 | | | | 81.47 | 3772.79 |
| | 16-May-2017 | | | | 81.60 | 3772.66 |
| | 7-Feb-2017 | | | | 80.41 | 3773.85 |
| | 8-Nov-2016 | | | | 81.78 | 3772.48 |
| | 16-Aug-2016 | | | | 81.70 | 3772.56 |
| | 17-May-2016 | | | | 81.25 | 3773.01 |
| | 10-Feb-2016 | | | | 80.30 | 3773.96 |
| | 6-Nov-2015 | | | | 81.13 | 3773.13 |
| | 6-Aug-2015 | | | | 80.85 | 3773.41 |
| | 6-May-2015 | | | | 81.97 | 3772.29 |
| | 6-Feb-2015 | | | | 80.08 | 3774.18 |
| | 5-Nov-2014 | | | | 81.06 | 3773.20 |
| | 12-Aug-2014 | | | | 81.02 | 3773.24 |
| | 13-May-2014 | | | | 80.82 | 3773.44 |
| | 13-Feb-2014 | | | | 79.21 | 3775.05 |
| | 6-Nov-2013 | | | | NM | NM |
| | 14-Aug-2013 | | | | 78.12 | 3776.14 |
| | 7-May-2013 | | | | 79.43 | 3774.83 |
| | 7-Feb-2013 | | | | 78.86 | 3775.40 |
| | 26-Oct-2012 | | | | 79.11 | 3775.15 |
| | 1-Aug-2012 | | | | 78.80 | 3775.46 |
| | 24-Apr-2012 | | | | 77.96 | 3776.30 |
| | 24-Jan-2012 | | | | 76.80 | 3777.46 |
| | 9-Dec-2011 | | | | 77.39 | 3776.87 |
| | 18-Jul-2011 | | | | 77.59 | 3776.67 |
| | 19-Apr-2011 | | | | 76.46 | 3777.80 |
| | 18-Jan-2011 | | | | 75.55 | 3778.71 |
| | 15-Sep-2010 | | | | 76.14 | 3778.12 |
| | 30-Jun-2010 | | | | 76.20 | 3778.06 |
| | 22-Mar-2010 | | | | 75.01 | 3779.25 |
| | 9-Dec-2009 | | | | 75.52 | 3778.74 |
| | 28-Aug-2009 | | | | 76.15 | 3778.11 |
| | 26-May-2009 | | | | 75.65 | 3778.61 |
| | 11-Dec-2008 | | | | 74.95 | 3779.31 |
| | 28-Sep-2008 | | | | 75.36 | 3778.90 |
| | 11-Jun-2008 | | | | 75.72 | 3778.54 |
| | 6-Feb-2008 | | | | 74.84 | 3779.42 |
| | 14-Nov-2007 | | | | 75.90 | 3778.36 |
| | 13-Sep-2007 | | | | 75.84 | 3778.42 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| 692-06 | 7-Aug-2023 | 375054.77 | 1532411.83 | 3856.48 | 84.69 | 3771.79 |
| | 4-May-2023 | | | | 84.20 | 3772.28 |
| | 7-Feb-2023 | | | | 83.38 | 3773.10 |
| | 4-Nov-2022 | | | | 84.25 | 3772.23 |
| | 5-Aug-2022 | | | | 84.28 | 3772.20 |
| | 4-May-2022 | | | | 83.57 | 3772.91 |
| | 10-Feb-2022 | | | | 82.94 | 3773.54 |
| | 3-Nov-2021 | | | | 83.83 | 3772.65 |
| | 6-Aug-2021 | | | | 83.60 | 3772.88 |
| | 5-May-2021 | | | | 83.08 | 3773.40 |
| | 12-Feb-2021 | | | | 83.90 | 3772.58 |
| | 4-Nov-2020 | | | | 83.10 | 3773.38 |
| | 12-Aug-2020 | | | | 82.69 | 3773.79 |
| | 12-May-2020 | | | | 83.47 | 3773.01 |
| | 6-Feb-2020 | | | | 82.88 | 3773.60 |
| | 7-Nov-2019 | | | | 83.64 | 3772.84 |
| | 5-Aug-2019 | | | | 83.25 | 3773.23 |
| | 9-May-2019 | | | | 83.20 | 3773.28 |
| | 20-Feb-2019 | | | | 82.50 | 3773.98 |
| | 13-Nov-2018 | | | | 83.69 | 3772.79 |
| | 7-Aug-2018 | | | | 83.58 | 3772.90 |
| | 17-May-2018 | | | | 83.25 | 3773.23 |
| | 6-Feb-2018 | | | | 82.00 | 3774.48 |
| | 7-Nov-2017 | | | | 82.86 | 3773.62 |
| | 9-Aug-2017 | | | | 83.28 | 3773.20 |
| | 16-May-2017 | | | | 83.35 | 3773.13 |
| | 7-Feb-2017 | | | | 82.20 | 3774.28 |
| | 8-Nov-2016 | | | | 83.55 | 3772.93 |
| | 16-Aug-2016 | | | | 83.45 | 3773.03 |
| | 17-May-2016 | | | | 83.08 | 3773.40 |
| | 10-Feb-2016 | | | | 82.12 | 3774.36 |
| | 6-Nov-2015 | | | | 82.92 | 3773.56 |
| | 6-Aug-2015 | | | | 82.68 | 3773.80 |
| | 6-May-2015 | | | | 83.11 | 3773.37 |
| | 6-Feb-2015 | | | | 81.65 | 3774.83 |
| | 5-Nov-2014 | | | | 82.91 | 3773.57 |
| | 12-Aug-2014 | | | | 82.88 | 3773.60 |
| | 13-May-2014 | | | | 81.84 | 3774.64 |
| | 14-Feb-2014 | | | | 81.31 | 3775.17 |
| | 6-Nov-2013 | | | | 82.18 | 3774.30 |
| | 6-Aug-2013 | | | | 81.86 | 3774.62 |
| | 7-May-2013 | | | | 81.22 | 3775.26 |
| | 7-Feb-2013 | | | | 80.88 | 3775.60 |
| | 26-Oct-2012 | | | | 81.03 | 3775.45 |
| | 1-Aug-2012 | | | | 80.69 | 3775.79 |
| | 24-Apr-2012 | | | | 79.84 | 3776.64 |
| | 30-Jan-2012 | | | | 78.99 | 3777.49 |
| | 9-Dec-2011 | | | | 79.32 | 3777.16 |
| | 18-Jul-2011 | | | | 79.43 | 3777.05 |
| | 19-Apr-2011 | | | | 78.32 | 3778.16 |
| | 18-Jan-2011 | | | | 77.44 | 3779.04 |
| | 15-Sep-2010 | | | | 78.02 | 3778.46 |
| | 30-Jun-2010 | | | | 78.12 | 3778.36 |
| | 22-Mar-2010 | | | | 76.91 | 3779.57 |
| | 9-Dec-2009 | | | | 77.44 | 3779.04 |
| | 28-Aug-2009 | | | | 78.04 | 3778.44 |
| | 26-May-2009 | | | | 77.53 | 3778.95 |
| | 11-Dec-2008 | | | | 76.79 | 3779.69 |
| | 28-Sep-2008 | | | | 77.25 | 3779.23 |
| | 11-Jun-2008 | | | | 77.60 | 3778.88 |
| | 6-Feb-2008 | | | | 76.76 | 3779.72 |
| | 14-Nov-2007 | | | | 77.80 | 3778.68 |
| | 13-Sep-2007 | | | | 77.75 | 3778.73 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| 692-07 | 7-Aug-2023 | 374944.88 | 1532019.81 | 3848.20 | 76.36 | 3771.84 |
| | 4-May-2023 | | | | 76.30 | 3771.90 |
| | 7-Feb-2023 | | | | 76.10 | 3772.10 |
| | 4-Nov-2022 | | | | 76.91 | 3771.29 |
| | 5-Aug-2022 | | | | 76.28 | 3771.92 |
| | 4-May-2022 | | | | 75.60 | 3772.60 |
| | 10-Feb-2022 | | | | 74.77 | 3773.43 |
| | 3-Nov-2021 | | | | 75.66 | 3772.54 |
| | 6-Aug-2021 | | | | 75.80 | 3772.40 |
| | 5-May-2021 | | | | 75.00 | 3773.20 |
| | 12-Feb-2021 | | | | 74.02 | 3774.18 |
| | 4-Nov-2020 | | | | 74.88 | 3773.32 |
| | 12-Aug-2020 | | | | 74.71 | 3773.49 |
| | 12-May-2020 | | | | 75.03 | 3773.17 |
| | 6-Feb-2020 | | | | 74.82 | 3773.38 |
| | 7-Nov-2019 | | | | 75.20 | 3773.00 |
| | 5-Aug-2019 | | | | 74.95 | 3773.25 |
| | 9-May-2019 | | | | 75.10 | 3773.10 |
| | 20-Feb-2019 | | | | 74.11 | 3774.09 |
| | 13-Nov-2018 | | | | 75.38 | 3772.82 |
| | 7-Aug-2018 | | | | 75.47 | 3772.73 |
| | 17-May-2018 | | | | 75.27 | 3772.93 |
| | 6-Feb-2018 | | | | 73.70 | 3774.50 |
| | 7-Nov-2017 | | | | 74.54 | 3773.66 |
| | 9-Aug-2017 | | | | 75.00 | 3773.20 |
| | 16-May-2017 | | | | 75.44 | 3772.76 |
| | 7-Feb-2017 | | | | 73.91 | 3774.29 |
| | 8-Nov-2016 | | | | 75.40 | 3772.80 |
| | 16-Aug-2016 | | | | 75.27 | 3772.93 |
| | 17-May-2016 | | | | 75.00 | 3773.20 |
| | 10-Feb-2016 | | | | 73.87 | 3774.33 |
| | 6-Nov-2015 | | | | 74.81 | 3773.39 |
| | 6-Aug-2015 | | | | 74.52 | 3773.68 |
| | 6-May-2015 | | | | 75.04 | 3773.16 |
| | 6-Feb-2015 | | | | 73.40 | 3774.80 |
| | 5-Nov-2014 | | | | 74.65 | 3773.55 |
| | 12-Aug-2014 | | | | 74.94 | 3773.26 |
| | 13-May-2014 | | | | 73.69 | 3774.51 |
| | 14-Feb-2014 | | | | 73.14 | 3775.06 |
| | 6-Nov-2013 | | | | 74.26 | 3773.94 |
| | 6-Aug-2013 | | | | 73.92 | 3774.28 |
| | 7-May-2013 | | | | 73.21 | 3774.99 |
| | 7-Feb-2013 | | | | 72.55 | 3775.65 |
| | 26-Oct-2012 | | | | 72.78 | 3775.42 |
| | 1-Aug-2012 | | | | 72.60 | 3775.60 |
| | 24-Apr-2012 | | | | 71.84 | 3776.36 |
| | 24-Jan-2012 | | | | 70.30 | 3777.90 |
| | 13-Dec-2011 | | | | 70.54 | 3777.66 |
| | 18-Jul-2011 | | | | 71.32 | 3776.88 |
| | 19-Apr-2011 | | | | 70.22 | 3777.98 |
| | 18-Jan-2011 | | | | 69.01 | 3779.19 |
| | 15-Sep-2010 | | | | 69.72 | 3778.48 |
| | 30-Jun-2010 | | | | 69.87 | 3778.33 |
| | 22-Mar-2010 | | | | 68.59 | 3779.61 |
| | 9-Dec-2009 | | | | 68.97 | 3779.23 |
| | 28-Aug-2009 | | | | 69.71 | 3778.49 |
| | 26-May-2009 | | | | 69.35 | 3778.85 |
| | 11-Dec-2008 | | | | 68.38 | 3779.82 |
| | 28-Sep-2008 | | | | 68.99 | 3779.21 |
| | 11-Jun-2008 | | | | 69.35 | 3778.85 |
| | 6-Feb-2008 | | | | 68.44 | 3779.76 |
| | 14-Nov-2007 | | | | 69.46 | 3778.74 |
| | 13-Sep-2007 | | | | 69.46 | 3778.74 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| 692-08 | 7-Aug-2023 | 375535.69 | 1531378.09 | 3843.09 | 70.66 | 3772.43 |
| | 4-May-2023 | | | | 70.00 | 3773.09 |
| | 7-Feb-2023 | | | | 69.09 | 3774.00 |
| | 4-Nov-2022 | | | | 69.94 | 3773.15 |
| | 5-Aug-2022 | | | | 69.81 | 3773.28 |
| | 4-May-2022 | | | | 69.02 | 3774.07 |
| | 10-Feb-2022 | | | | 68.10 | 3774.99 |
| | 3-Nov-2021 | | | | 69.83 | 3773.26 |
| | 6-Aug-2021 | | | | 70.20 | 3772.89 |
| | 5-May-2021 | | | | 69.50 | 3773.59 |
| | 12-Feb-2021 | | | | 68.70 | 3774.39 |
| | 4-Nov-2020 | | | | 68.90 | 3774.19 |
| | 12-Aug-2020 | | | | 68.03 | 3775.06 |
| | 12-May-2020 | | | | 68.80 | 3774.29 |
| | 6-Feb-2020 | | | | 67.75 | 3775.34 |
| | 7-Nov-2019 | | | | 68.95 | 3774.14 |
| | 5-Aug-2019 | | | | 68.76 | 3774.33 |
| | 9-May-2019 | | | | 68.78 | 3774.31 |
| | 20-Feb-2019 | | | | 67.75 | 3775.34 |
| | 13-Nov-2018 | | | | 68.93 | 3774.16 |
| | 7-Aug-2018 | | | | 69.66 | 3773.43 |
| | 17-May-2018 | | | | 70.00 | 3773.09 |
| | 6-Feb-2018 | | | | 67.29 | 3775.80 |
| | 7-Nov-2017 | | | | 68.25 | 3774.84 |
| | 9-Aug-2017 | | | | 68.70 | 3774.39 |
| | 16-May-2017 | | | | 69.98 | 3773.11 |
| | 7-Feb-2017 | | | | 67.50 | 3775.59 |
| | 8-Nov-2016 | | | | 69.25 | 3773.84 |
| | 16-Aug-2016 | | | | 69.32 | 3773.77 |
| | 17-May-2016 | | | | 69.25 | 3773.84 |
| | 10-Feb-2016 | | | | 67.58 | 3775.51 |
| | 6-Nov-2015 | | | | 68.60 | 3774.49 |
| | 6-Aug-2015 | | | | 68.45 | 3774.64 |
| | 6-May-2015 | | | | 69.22 | 3773.87 |
| | 6-Feb-2015 | | | | 67.12 | 3775.97 |
| | 5-Nov-2014 | | | | 68.47 | 3774.62 |
| | 12-Aug-2014 | | | | 68.72 | 3774.37 |
| | 13-May-2014 | | | | 68.35 | 3774.74 |
| | 14-Feb-2014 | | | | 67.81 | 3775.28 |
| | 6-Nov-2013 | | | | 68.06 | 3775.03 |
| | 6-Aug-2013 | | | | 68.52 | 3774.57 |
| | 14-May-2013 | | | | 67.09 | 3776.00 |
| | 7-Feb-2013 | | | | 66.64 | 3776.45 |
| | 26-Oct-2012 | | | | 67.17 | 3775.92 |
| | 1-Aug-2012 | | | | 66.47 | 3776.62 |
| | 24-Apr-2012 | | | | 65.84 | 3777.25 |
| | 30-Jan-2012 | | | | 64.58 | 3778.51 |
| | 9-Dec-2011 | | | | 64.65 | 3778.44 |
| | 18-Jul-2011 | | | | 65.79 | 3777.30 |
| | 19-Apr-2011 | | | | 64.32 | 3778.77 |
| | 18-Jan-2011 | | | | 62.49 | 3780.60 |
| | 1-Oct-2010 | | | | 63.83 | 3779.26 |
| | 30-Jun-2010 | | | | 63.71 | 3779.38 |
| | 22-Mar-2010 | | | | 62.45 | 3780.64 |
| | 9-Dec-2009 | | | | 62.57 | 3780.52 |
| | 28-Aug-2009 | | | | 63.42 | 3779.67 |
| | 26-May-2009 | | | | 64.03 | 3779.06 |
| | 11-Dec-2008 | | | | 61.83 | 3781.26 |
| | 28-Sep-2008 | | | | 63.42 | 3779.67 |
| | 11-Jun-2008 | | | | 63.40 | 3779.69 |
| | 6-Feb-2008 | | | | 62.02 | 3781.07 |
| | 14-Nov-2007 | | | | 63.25 | 3779.84 |
| | 13-Sep-2007 | | | | 64.02 | 3779.07 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| 692-09 | 7-Aug-2023 | 373575.83 | 1532395.09 | 3856.32 | 85.80 | 3770.52 |
| | 4-May-2023 | | | | 85.36 | 3770.96 |
| | 7-Feb-2023 | | | | 84.52 | 3771.80 |
| | 4-Nov-2022 | | | | 85.42 | 3770.90 |
| | 5-Aug-2022 | | | | 85.51 | 3770.81 |
| | 4-May-2022 | | | | 84.85 | 3771.47 |
| | 10-Feb-2022 | | | | 84.12 | 3772.20 |
| | 3-Nov-2021 | | | | 85.08 | 3771.24 |
| | 6-Aug-2021 | | | | 84.81 | 3771.51 |
| | 5-May-2021 | | | | 84.40 | 3771.92 |
| | 12-Feb-2021 | | | | 83.68 | 3772.64 |
| | 4-Nov-2020 | | | | 84.35 | 3771.97 |
| | 12-Aug-2020 | | | | 84.09 | 3772.23 |
| | 12-May-2020 | | | | 84.32 | 3772.00 |
| | 6-Feb-2020 | | | | 84.02 | 3772.30 |
| | 7-Nov-2019 | | | | 84.88 | 3771.44 |
| | 2-Aug-2019 | | | | 84.52 | 3771.80 |
| | 9-May-2019 | | | | 84.57 | 3771.75 |
| | 20-Feb-2019 | | | | 83.87 | 3772.45 |
| | 13-Nov-2018 | | | | 85.10 | 3771.22 |
| | 7-Aug-2018 | | | | 85.15 | 3771.17 |
| | 17-May-2018 | | | | 84.89 | 3771.43 |
| | 6-Feb-2018 | | | | 83.45 | 3772.87 |
| | 7-Nov-2017 | | | | 84.44 | 3771.88 |
| | 9-Aug-2017 | | | | 84.85 | 3771.47 |
| | 16-May-2017 | | | | 84.95 | 3771.37 |
| | 7-Feb-2017 | | | | 83.68 | 3772.64 |
| | 8-Nov-2016 | | | | 85.20 | 3771.12 |
| | 16-Aug-2016 | | | | 85.13 | 3771.19 |
| | 17-May-2016 | | | | 84.55 | 3771.77 |
| | 10-Feb-2016 | | | | 83.56 | 3772.76 |
| | 6-Nov-2015 | | | | 84.47 | 3771.85 |
| | 13-Aug-2015 | | | | 84.35 | 3771.97 |
| | 6-May-2015 | | | | 85.04 | 3771.28 |
| | 6-Feb-2015 | | | | 83.34 | 3772.98 |
| | 10-Nov-2014 | | | | 83.56 | 3772.76 |
| | 14-Aug-2014 | | | | 84.03 | 3772.29 |
| | 13-May-2014 | | | | 83.59 | 3772.73 |
| | 17-Feb-2014 | | | | 82.51 | 3773.81 |
| | 6-Nov-2013 | | | | 83.73 | 3772.59 |
| | 6-Aug-2013 | | | | 83.40 | 3772.92 |
| | 7-May-2013 | | | | 82.64 | 3773.68 |
| | 7-Feb-2013 | | | | 82.02 | 3774.30 |
| | 26-Oct-2012 | | | | 82.18 | 3774.14 |
| | 1-Aug-2012 | | | | 82.11 | 3774.21 |
| | 24-Apr-2012 | | | | 81.17 | 3775.15 |
| | 25-Jan-2012 | | | | 79.80 | 3776.52 |
| | 8-Dec-2011 | | | | 80.44 | 3775.88 |
| | 18-Jul-2011 | | | | 80.78 | 3775.54 |
| | 19-Apr-2011 | | | | 79.65 | 3776.67 |
| | 17-Jan-2011 | | | | 78.52 | 3777.80 |
| | 15-Sep-2010 | | | | 79.33 | 3776.99 |
| | 30-Jun-2010 | | | | 79.52 | 3776.80 |
| | 22-Mar-2010 | | | | 78.13 | 3778.19 |
| | 9-Dec-2009 | | | | 78.79 | 3777.53 |
| | 28-Aug-2009 | | | | 79.48 | 3776.84 |
| | 26-May-2009 | | | | 78.89 | 3777.43 |
| | 11-Dec-2008 | | | | 78.11 | 3778.21 |
| | 28-Sep-2008 | | | | 78.55 | 3777.77 |
| | 11-Jun-2008 | | | | 79.03 | 3777.29 |
| | 6-Feb-2008 | | | | 78.16 | 3778.16 |
| | 14-Nov-2007 | | | | 79.15 | 3777.17 |
| | 13-Sep-2007 | | | | 79.93 | 3776.39 |
| 692-10 | 7-Aug-2023 | 374957.71 | 1531695.32 | 3847.51 | 75.66 | 3771.85 |
| | 7-May-2023 | | | | 75.25 | 3772.26 |
| | 7-Feb-2023 | | | | 74.66 | 3772.85 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| | 4-Nov-2022 | | | | 75.31 | 3772.20 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| **Anthony Waste Water Treatment Plant** | | | | | | |
| MW-1 | 7-Aug-2023 | 372097.86 | 1532364.36 | 3843.03 | 65.33 | 3777.70 |
| | 4-May-2023 | | | | 65.40 | 3777.63 |
| | 7-Feb-2023 | | | | 65.42 | 3777.61 |
| | 4-Nov-2022 | | | | 65.10 | 3777.93 |
| | 5-Aug-2022 | | | | 64.82 | 3778.21 |
| | 4-May-2022 | | | | 64.62 | 3778.41 |
| | 10-Feb-2022 | | | | 64.46 | 3778.57 |
| | 3-Nov-2021 | | | | 64.30 | 3778.73 |
| | 9-Aug-2021 | | | | 64.02 | 3779.01 |
| | 5-May-2021 | | | | 63.67 | 3779.36 |
| | 12-Feb-2021 | | | | 63.13 | 3779.90 |
| | 4-Nov-2020 | | | | 62.77 | 3780.26 |
| | 12-Aug-2020 | | | | 62.42 | 3780.61 |
| | 14-May-2020 | | | | 62.00 | 3781.03 |
| | 6-Feb-2020 | | | | 61.40 | 3781.63 |
| | 7-Nov-2019 | | | | 61.93 | 3781.10 |
| | 3-Aug-2019 | | | | 62.31 | 3780.72 |
| | 9-May-2019 | | | | 62.12 | 3780.91 |
| | 1-Mar-2019 | | | | 61.86 | 3781.17 |
| | 13-Nov-2018 | | | | 61.53 | 3781.50 |
| | 15-Aug-2018 | | | | 61.59 | 3781.44 |
| | 17-May-2018 | | | | 61.56 | 3781.47 |
| | 13-Feb-2018 | | | | 61.22 | 3781.81 |
| | 9-Nov-2017 | | | | 61.06 | 3781.97 |
| | 10-Aug-2017 | | | | 61.15 | 3781.88 |
| | 19-May-2017 | | | | 61.24 | 3781.79 |
| | 7-Feb-2017 | | | | 60.95 | 3782.08 |
| | 10-Nov-2016 | | | | 60.91 | 3782.12 |
| | 16-Aug-2016 | | | | 61.38 | 3781.65 |
| | 17-May-2016 | | | | 61.40 | 3781.63 |
| | 11-Feb-2016 | | | | 61.40 | 3781.63 |
| | 11-Nov-2015 | | | | 61.08 | 3781.95 |
| | 7-Aug-2015 | | | | 60.85 | 3782.18 |
| | 7-May-2015 | | | | 61.27 | 3781.76 |
| | 6-Feb-2015 | | | | 60.96 | 3782.07 |
| | 6-Nov-2014 | | | | 60.79 | 3782.24 |
| | 12-Aug-2014 | | | | 60.73 | 3782.30 |
| | 13-May-2014 | | | | 60.65 | 3782.38 |
| | 14-Feb-2014 | | | | 60.49 | 3782.54 |
| | 7-Nov-2013 | | | | 60.28 | 3782.75 |
| | 7-Aug-2013 | | | | 60.13 | 3782.90 |
| | 8-May-2013 | | | | 59.72 | 3783.31 |
| | 7-Feb-2013 | | | | 59.23 | 3783.80 |
| | 26-Oct-2012 | | | | 58.85 | 3784.18 |
| | 2-Aug-2012 | | | | 58.79 | 3784.24 |
| | 25-Apr-2012 | | | | 58.28 | 3784.75 |
| | 9-Dec-2011 | | | | 58.01 | 3785.02 |
| | 18-Jul-2011 | | | | 58.44 | 3784.59 |
| | 20-Apr-2011 | | | | 58.35 | 3784.68 |
| | 18-Jan-2011 | | | | 58.20 | 3784.83 |
| | 15-Sep-2010 | | | | 58.28 | 3784.75 |
| | 24-Jun-2010 | | | | 58.50 | 3784.53 |
| | 22-Mar-2010 | | | | 58.43 | 3784.60 |
| | 9-Dec-2009 | | | | 58.15 | 3784.88 |
| | 28-Aug-2009 | | | | 58.07 | 3784.96 |
| | 27-May-2009 | | | | 58.41 | 3784.62 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| MW-2 | 7-Aug-2023 | NM | NM | 3843.25 | 66.71 | 3776.54 |
| | 4-May-2023 | | | | 66.88 | 3776.37 |
| | 7-Feb-2023 | | | | 67.00 | 3776.25 |
| | 4-Nov-2022 | | | | 66.78 | 3776.47 |
| | 5-Aug-2022 | | | | 66.42 | 3776.83 |
| | 4-May-2022 | | | | 66.12 | 3777.13 |
| | 10-Feb-2022 | | | | 66.03 | 3777.22 |
| | 3-Nov-2021 | | | | 65.88 | 3777.37 |
| | 9-Aug-2021 | | | | 65.55 | 3777.70 |
| | 5-May-2021 | | | | 65.10 | 3778.15 |
| | 12-Feb-2021 | | | | 64.77 | 3778.48 |
| | 4-Nov-2020 | | | | 64.09 | 3779.16 |
| | 12-Aug-2020 | | | | 63.38 | 3779.87 |
| | 13-May-2020 | | | | 62.80 | 3780.45 |
| | 6-Feb-2020 | | | | 61.91 | 3781.34 |
| | 7-Nov-2019 | | | | 62.32 | 3780.93 |
| | 3-Aug-2019 | | | | 62.97 | 3780.28 |
| | 9-May-2019 | | | | 63.02 | 3780.23 |
| | 1-Mar-2019 | | | | 62.62 | 3780.63 |
| | 13-Nov-2018 | | | | 62.04 | 3781.21 |
| | 15-Aug-2018 | | | | 61.96 | 3781.29 |
| | 17-May-2018 | | | | 62.65 | 3780.60 |
| | 13-Feb-2018 | | | | 62.47 | 3780.78 |
| | 9-Nov-2017 | | | | 62.20 | 3781.05 |
| | 10-Aug-2017 | | | | 62.26 | 3780.99 |
| | 19-May-2017 | | | | 62.32 | 3780.93 |
| | 7-Feb-2017 | | | | 62.20 | 3781.05 |
| | 10-Nov-2016 | | | | 61.82 | 3781.43 |
| | 16-Aug-2016 | | | | 62.34 | 3780.91 |
| | 17-May-2016 | | | | 62.67 | 3780.58 |
| | 11-Feb-2016 | | | | 62.73 | 3780.52 |
| | 11-Nov-2015 | | | | 62.30 | 3780.95 |
| | 7-Aug-2015 | | | | 62.05 | 3781.20 |
| | 7-May-2015 | | | | 62.66 | 3780.59 |
| | 6-Feb-2015 | | | | 62.48 | 3780.77 |
| | 6-Nov-2014 | | | | 62.22 | 3781.03 |
| | 12-Aug-2014 | | | | 62.09 | 3781.16 |
| | 13-May-2014 | | | | 62.06 | 3781.19 |
| | 14-Feb-2014 | | | | 62.04 | 3781.21 |
| | 7-Nov-2013 | | | | 61.81 | 3781.44 |
| | 7-Aug-2013 | | | | 62.07 | 3781.18 |
| | 8-May-2013 | | | | 61.21 | 3782.04 |
| | 7-Feb-2013 | | | | 60.85 | 3782.40 |
| | 26-Oct-2012 | | | | 60.42 | 3782.83 |
| | 2-Aug-2012 | | | | 60.30 | 3782.95 |
| | 25-Apr-2012 | | | | 59.94 | 3783.31 |
| | 30-Jan-2012 | | | | 59.30 | 3783.95 |
| | 9-Dec-2011 | | | | 59.33 | 3783.92 |
| | 18-Jul-2011 | | | | 59.41 | 3783.84 |
| | 20-Apr-2011 | | | | 59.42 | 3783.83 |
| | 18-Jan-2011 | | | | 59.31 | 3783.94 |
| | 15-Sep-2010 | | | | 59.08 | 3784.17 |
| | 24-Jun-2010 | | | | 59.37 | 3783.88 |
| | 22-Mar-2010 | | | | 59.44 | 3783.81 |
| | 9-Dec-2009 | | | | 59.19 | 3784.06 |
| | 28-Aug-2009 | | | | 58.98 | 3784.27 |
| | 27-May-2009 | | | | 59.45 | 3783.80 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| MW-3 | 7-Aug-2023 | NM | NM | 3841.24 | 59.20 | 3782.04 |
| | 4-May-2023 | | | | 59.26 | 3781.98 |
| | 7-Feb-2023 | | | | 59.50 | 3781.74 |
| | 4-Nov-2022 | | | | 59.42 | 3781.82 |
| | 5-Aug-2022 | | | | 59.05 | 3782.19 |
| | 4-May-2022 | | | | 58.67 | 3782.57 |
| | 10-Feb-2022 | | | | 58.45 | 3782.79 |
| | 3-Nov-2021 | | | | 58.60 | 3782.64 |
| | 9-Aug-2021 | | | | 58.41 | 3782.83 |
| | 5-May-2021 | | | | 58.02 | 3783.22 |
| | 12-Feb-2021 | | | | 57.72 | 3783.52 |
| | 4-Nov-2020 | | | | 57.50 | 3783.74 |
| | 12-Aug-2020 | | | | 57.09 | 3784.15 |
| | 14-May-2020 | | | | 56.34 | 3784.90 |
| | 6-Feb-2020 | | | | 55.37 | 3785.87 |
| | 7-Nov-2019 | | | | 55.49 | 3785.87 |
| | 3-Aug-2019 | | | | 56.65 | 3784.59 |
| | 9-May-2019 | | | | 57.05 | 3784.19 |
| | 1-Mar-2019 | | | | 57.18 | 3784.06 |
| | 13-Nov-2018 | | | | 57.09 | 3784.15 |
| | 15-Aug-2018 | | | | 57.02 | 3784.22 |
| | 17-May-2018 | | | | Dry | |
| | 13-Feb-2018 | | | | Dry | |
| | 9-Nov-2017 | | | | Dry | |
| | 10-Aug-2017 | | | | Dry | |
| | 19-May-2017 | | | | Dry | |
| | 7-Feb-2017 | | | | Dry | |
| | 10-Nov-2016 | | | | Dry | |
| | 16-Aug-2016 | | | | Dry | |
| | 17-May-2016 | | | | Dry | |
| | 11-Feb-2016 | | | | Dry | |
| | 11-Nov-2015 | | | | Dry | |
| | 7-Aug-2015 | | | | Dry | |
| | 7-May-2015 | | | | Dry | |
| | 6-Feb-2015 | | | | Dry | |
| | 6-Nov-2014 | | | | Dry | |
| | 12-Aug-2014 | | | | Dry | |
| | 13-May-2014 | | | | Dry | |
| | 14-Feb-2014 | | | | Dry | |
| | 7-Nov-2013 | | | | Dry | |
| | 7-Aug-2013 | | | | 59.29 | 3781.95 |
| | 8-May-2013 | | | | 58.80 | 3782.44 |
| | 7-Feb-2013 | | | | 58.36 | 3782.88 |
| | 26-Oct-2012 | | | | 57.98 | 3783.26 |
| | 2-Aug-2012 | | | | 57.81 | 3783.43 |
| | 25-Apr-2012 | | | | 57.32 | 3783.92 |
| | 30-Jan-2012 | | | | 56.80 | 3784.44 |
| | 8-Dec-2011 | | | | 56.87 | 3784.37 |
| | 18-Jul-2011 | | | | 56.98 | 3784.26 |
| | 19-Apr-2011 | | | | 56.93 | 3784.31 |
| | 18-Jan-2011 | | | | 56.73 | 3784.51 |
| | 15-Sep-2010 | | | | Could not access | |
| | 24-Jun-2010 | | | | 56.91 | 3784.33 |
| | 22-Mar-2010 | | | | 56.93 | 3784.31 |
| | 9-Dec-2009 | | | | 56.69 | 3784.55 |
| | 28-Aug-2009 | | | | 56.54 | 3784.70 |
| | 27-May-2009 | | | | 56.96 | 3784.28 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| **ABATEMENT PLAN MONITOR WELLS** | | | | | | |
| DAD-01 | 2-Aug-2023 | 422970.59 | 1512825.76 | 3886.16 | 75.00 | 3811.16 |
| | 1-May-2023 | | | | 74.84 | 3811.32 |
| | 2-Feb-2023 | | | | 74.10 | 3812.06 |
| | 1-Nov-2022 | | | | 74.85 | 3811.31 |
| | 1-Aug-2022 | | | | 75.05 | 3811.11 |
| | 2-May-2022 | | | | 74.15 | 3812.01 |
| | 7-Feb-2022 | | | | 73.26 | 3812.90 |
| | 1-Nov-2021 | | | | 73.82 | 3812.34 |
| | 4-Aug-2021 | | | | 73.66 | 3812.50 |
| | 3-May-2021 | | | | 73.11 | 3813.05 |
| | 10-Feb-2021 | | | | 72.87 | 3813.29 |
| | 2-Nov-2020 | | | | 73.18 | 3812.98 |
| | 10-Aug-2020 | | | | 73.70 | 3812.46 |
| | 11-May-2020 | | | | 73.66 | 3812.50 |
| | 4-Feb-2020 | | | | 72.46 | 3813.70 |
| | 8-Nov-2019 | | | | 73.11 | 3813.05 |
| | 1-Aug-2019 | | | | 74.05 | 3812.11 |
| | 9-May-2019 | | | | 73.59 | 3812.57 |
| | 19-Feb-2019 | | | | 72.51 | 3813.65 |
| | 12-Nov-2018 | | | | 72.84 | 3813.32 |
| | 6-Aug-2018 | | | | 73.70 | 3812.46 |
| | 17-May-2018 | | | | 73.38 | 3812.78 |
| | 5-Feb-2018 | | | | 71.87 | 3814.29 |
| | 6-Nov-2017 | | | | 72.81 | 3813.35 |
| | 7-Aug-2017 | | | | 73.66 | 3812.50 |
| | 15-May-2017 | | | | 73.69 | 3812.47 |
| | 7-Feb-2017 | | | | 72.38 | 3813.78 |
| | 8-Nov-2016 | | | | 73.39 | 3812.77 |
| | 16-Aug-2016 | | | | 74.02 | 3812.14 |
| | 17-May-2016 | | | | 73.90 | 3812.26 |
| | 10-Feb-2016 | | | | 72.32 | 3813.84 |
| | 6-Nov-2015 | | | | 73.00 | 3813.16 |
| | 6-Aug-2015 | | | | 73.54 | 3812.62 |
| | 7-May-2015 | | | | 72.98 | 3813.18 |
| | 6-Feb-2015 | | | | 71.45 | 3814.71 |
| | 6-Nov-2014 | | | | 72.07 | 3814.09 |
| | 12-Aug-2014 | | | | 71.93 | 3814.23 |
| | 13-May-2014 | | | | 71.48 | 3814.68 |
| | 12-Feb-2014 | | | | 70.14 | 3816.02 |
| | 6-Nov-2013 | | | | 70.64 | 3815.52 |
| | 7-Aug-2013 | | | | 68.63 | 3817.53 |
| | 7-May-2013 | | | | 68.48 | 3817.68 |
| | 8-Feb-2013 | | | | 68.59 | 3817.57 |
| | 29-Oct-2012 | | | | 68.12 | 3818.04 |
| | 30-Jul-2012 | | | | 68.97 | 3817.19 |
| | 23-Apr-2012 | | | | 68.19 | 3817.97 |
| | 25-Jan-2012 | | | | 67.15 | 3819.01 |
| | 8-Dec-2011 | | | | 67.41 | 3818.75 |
| | 19-Jul-2011 | | | | 67.41 | 3818.75 |
| | 25-Apr-2011 | | | | 65.86 | 3820.30 |
| | 18-Jan-2011 | | | | 65.37 | 3820.79 |
| | 16-Sep-2010 | | | | 65.86 | 3820.30 |
| | 24-Jun-2010 | | | | 66.58 | 3819.58 |
| | 21-Mar-2010 | | | | 65.46 | 3820.70 |
| | 9-Dec-2009 | | | | 65.32 | 3820.84 |
| | 29-Aug-2009 | | | | 65.68 | 3820.48 |
| | 26-May-2009 | | | | 65.43 | 3820.73 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| DAD-02 | 3-Aug-2023 | 413002.98 | 1517319.93 | 3875.82 | 68.03 | 3807.79 |
| | 3-May-2023 | | | | 68.40 | 3807.42 |
| | 3-Feb-2023 | | | | 67.90 | 3807.92 |
| | 3-Nov-2022 | | | | 68.08 | 3807.74 |
| | 4-Aug-2022 | | | | 67.91 | 3807.91 |
| | 3-May-2022 | | | | 67.38 | 3808.44 |
| | 8-Feb-2022 | | | | 66.87 | 3808.95 |
| | 2-Nov-2021 | | | | 67.30 | 3808.52 |
| | 5-Aug-2021 | | | | 66.92 | 3808.90 |
| | 4-May-2021 | | | | 66.46 | 3809.36 |
| | 11-Feb-2021 | | | | 66.19 | 3809.63 |
| | 3-Nov-2020 | | | | 66.83 | 3808.99 |
| | 11-Aug-2020 | | | | 67.11 | 3808.71 |
| | 11-May-2020 | | | | 67.75 | 3808.07 |
| | 5-Feb-2020 | | | | 66.20 | 3809.62 |
| | 8-Nov-2019 | | | | 65.05 | 3810.77 |
| | 1-Aug-2019 | | | | 66.91 | 3808.91 |
| | 8-May-2019 | | | | 66.46 | 3809.36 |
| | 19-Feb-2019 | | | | 65.90 | 3809.92 |
| | 12-Nov-2018 | | | | 66.40 | 3809.42 |
| | 6-Aug-2018 | | | | 66.42 | 3809.40 |
| | 17-May-2018 | | | | 66.10 | 3809.72 |
| | 5-Feb-2018 | | | | 65.63 | 3810.19 |
| | 6-Nov-2017 | | | | 66.21 | 3809.61 |
| | 7-Aug-2017 | | | | 66.75 | 3809.07 |
| | 16-May-2017 | | | | 66.74 | 3809.08 |
| | 7-Feb-2017 | | | | 66.41 | 3809.41 |
| | 8-Nov-2016 | | | | 67.08 | 3808.74 |
| | 16-Aug-2016 | | | | 67.55 | 3808.27 |
| | 17-May-2016 | | | | 67.30 | 3808.52 |
| | 10-Feb-2016 | | | | 66.83 | 3808.99 |
| | 6-Nov-2015 | | | | 67.21 | 3808.61 |
| | 6-Aug-2015 | | | | 67.25 | 3808.57 |
| | 7-May-2015 | | | | 67.10 | 3808.72 |
| | 6-Feb-2015 | | | | 66.30 | 3809.52 |
| | 6-Nov-2014 | | | | 66.60 | 3809.22 |
| | 12-Aug-2014 | | | | 66.55 | 3809.27 |
| | 13-May-2014 | | | | 66.01 | 3809.81 |
| | 12-Feb-2014 | | | | 65.42 | 3810.40 |
| | 7-Nov-2013 | | | | 65.55 | 3810.27 |
| | 7-Aug-2013 | | | | 65.01 | 3810.81 |
| | 8-May-2013 | | | | 64.56 | 3811.26 |
| | 8-Feb-2013 | | | | 64.04 | 3811.78 |
| | 29-Oct-2012 | | | | 64.11 | 3811.71 |
| | 31-Jul-2012 | | | | 64.03 | 3811.79 |
| | 24-Apr-2012 | | | | 63.45 | 3812.37 |
| | 25-Jan-2012 | | | | 62.91 | 3812.91 |
| | 8-Dec-2011 | | | | 63.07 | 3812.75 |
| | 19-Jul-2011 | | | | 62.63 | 3813.19 |
| | 18-Apr-2011 | | | | 62.11 | 3813.71 |
| | 17-Jan-2011 | | | | 61.37 | 3814.45 |
| | 16-Sep-2010 | | | | 61.79 | 3814.03 |
| | 25-Jun-2010 | | | | 62.95 | 3812.87 |
| | 21-Mar-2010 | | | | 61.43 | 3814.39 |
| | 9-Dec-2009 | | | | 61.46 | 3814.36 |
| | 29-Aug-2009 | | | | 61.65 | 3814.17 |
| | 26-May-2009 | | | | 61.59 | 3814.23 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| DAD-03 | 3-Aug-2023 | 407721.31 | 1516497.85 | 3820.58 | 15.50 | 3805.08 |
| | 3-May-2023 | | | | 15.97 | 3804.61 |
| | 3-Feb-2023 | | | | 15.21 | 3805.37 |
| | 3-Nov-2022 | | | | 15.30 | 3805.28 |
| | 4-Aug-2022 | | | | 15.08 | 3805.50 |
| | 3-May-2022 | | | | 14.50 | 3806.08 |
| | 8-Feb-2022 | | | | 13.71 | 3806.87 |
| | 2-Nov-2021 | | | | 14.16 | 3806.42 |
| | 5-Aug-2021 | | | | 13.80 | 3806.78 |
| | 4-May-2021 | | | | 13.10 | 3807.48 |
| | 11-Feb-2021 | | | | 12.35 | 3808.23 |
| | 3-Nov-2020 | | | | 12.61 | 3807.97 |
| | 11-Aug-2020 | | | | 12.67 | 3807.91 |
| | 11-May-2020 | | | | 12.89 | 3807.69 |
| | 5-Feb-2020 | | | | 12.57 | 3808.01 |
| | 7-Nov-2019 | | | | 12.21 | 3808.37 |
| | 1-Aug-2019 | | | | 13.50 | 3807.08 |
| | 9-May-2019 | | | | 13.29 | 3807.29 |
| | 19-Feb-2019 | | | | 12.45 | 3808.13 |
| | 12-Nov-2018 | | | | 12.55 | 3808.03 |
| | 7-Aug-2018 | | | | 12.38 | 3808.20 |
| | 17-May-2018 | | | | 12.41 | 3808.17 |
| | 5-Feb-2018 | | | | 11.55 | 3809.03 |
| | 7-Nov-2017 | | | | 11.62 | 3808.96 |
| | 9-Aug-2017 | | | | 12.47 | 3808.11 |
| | 16-May-2017 | | | | 13.31 | 3807.27 |
| | 7-Feb-2017 | | | | 12.50 | 3808.08 |
| | 8-Nov-2016 | | | | NM | NM |
| | 17-Aug-2016 | | | | 13.12 | 3807.46 |
| | 20-May-2016 | | | | 13.82 | 3806.76 |
| | 10-Feb-2016 | | | | 13.07 | 3807.51 |
| | 6-Nov-2015 | | | | 13.20 | 3807.38 |
| | 6-Aug-2015 | | | | 13.41 | 3807.17 |
| | 7-May-2015 | | | | 13.52 | 3807.06 |
| | 6-Feb-2015 | | | | 12.87 | 3807.71 |
| | 6-Nov-2014 | | | | 12.94 | 3807.64 |
| | 12-Aug-2014 | | | | 13.20 | 3807.38 |
| | 13-May-2014 | | | | 13.39 | 3807.19 |
| | 17-Feb-2014 | | | | 12.66 | 3807.92 |
| | 11-Dec-2013 | | | | 12.67 | 3807.91 |
| | 14-Aug-2013 | | | | 12.36 | 3808.22 |
| | 8-May-2013 | | | | 11.87 | 3808.71 |
| | 8-Feb-2013 | | | | 11.07 | 3809.51 |
| | 29-Oct-2012 | | | | 10.93 | 3809.65 |
| | 31-Jul-2012 | | | | 10.90 | 3809.68 |
| | 24-Apr-2012 | | | | 10.97 | 3809.61 |
| | 25-Jan-2012 | | | | 10.60 | 3809.98 |
| | 8-Dec-2011 | | | | 10.70 | 3809.88 |
| | 19-Jul-2011 | | | | 10.29 | 3810.29 |
| | 18-Apr-2011 | | | | 10.12 | 3810.46 |
| | 24-Jan-2011 | | | | 9.36 | 3811.22 |
| | 16-Sep-2010 | | | | 9.40 | 3811.18 |
| | 24-Jun-2010 | | | | 9.97 | 3810.61 |
| | 21-Mar-2010 | | | | 9.90 | 3810.68 |
| | 9-Dec-2009 | | | | 9.79 | 3810.79 |
| | 29-Aug-2009 | | | | 9.72 | 3810.86 |
| | 26-May-2009 | | | | 9.89 | 3810.69 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| DAD-04 | 4-Aug-2023 | 404576.66 | 1517413.28 | 3821.47 | 18.12 | 3802.46 |
| | 3-May-2023 | | | | DRY | |
| | 6-Feb-2023 | | | | DRY | |
| | 3-Nov-2022 | | | | 18.15 | 3803.32 |
| | 4-Aug-2022 | | | | 17.87 | 3803.60 |
| | 3-May-2022 | | | | 17.22 | 3804.25 |
| | 8-Feb-2022 | | | | 17.05 | 3804.42 |
| | 2-Nov-2021 | | | | 17.93 | 3803.54 |
| | 6-Aug-2021 | | | | 18.10 | 3803.37 |
| | 4-May-2021 | | | | 16.26 | 3805.21 |
| | 11-Feb-2021 | | | | 15.86 | 3805.61 |
| | 3-Nov-2020 | | | | 16.10 | 3805.37 |
| | 11-Aug-2020 | | | | 16.68 | 3804.79 |
| | 12-May-2020 | | | | 16.78 | 3804.69 |
| | 5-Feb-2020 | | | | 15.70 | 3805.77 |
| | 8-Nov-2019 | | | | 16.87 | 3804.60 |
| | 1-Aug-2019 | | | | 17.14 | 3804.33 |
| | 9-May-2019 | | | | 17.82 | 3803.65 |
| | 19-Feb-2019 | | | | 15.85 | 3805.62 |
| | 12-Nov-2018 | | | | 16.15 | 3805.32 |
| | 7-Aug-2018 | | | | 15.76 | 3805.71 |
| | 17-May-2018 | | | | 16.66 | 3804.81 |
| | 6-Feb-2018 | | | | 14.44 | 3807.03 |
| | 6-Nov-2017 | | | | 14.49 | 3806.98 |
| | 7-Aug-2017 | | | | 15.55 | 3805.92 |
| | 16-May-2017 | | | | 17.58 | 3803.89 |
| | 7-Feb-2017 | | | | 15.59 | 3805.88 |
| | 8-Nov-2016 | | | | 15.57 | 3805.90 |
| | 16-Aug-2016 | | | | 16.15 | 3805.32 |
| | 17-May-2016 | | | | 17.20 | 3804.27 |
| | 10-Feb-2016 | | | | 15.21 | 3806.26 |
| | 6-Nov-2015 | | | | 15.98 | 3805.49 |
| | 6-Aug-2015 | | | | 16.77 | 3804.70 |
| | 7-May-2015 | | | | 17.57 | 3803.90 |
| | 6-Feb-2015 | | | | 15.55 | 3805.92 |
| | 6-Nov-2014 | | | | 15.29 | 3806.18 |
| | 13-Aug-2014 | | | | 15.81 | 3805.66 |
| | 13-May-2014 | | | | 17.36 | 3804.11 |
| | 13-Feb-2014 | | | | 15.45 | 3806.02 |
| | 7-Nov-2013 | | | | 16.91 | 3804.56 |
| | 7-Aug-2013 | | | | 17.11 | 3804.36 |
| | 8-May-2013 | | | | 15.02 | 3806.45 |
| | 8-Feb-2013 | | | | 14.48 | 3806.99 |
| | 29-Oct-2012 | | | | 15.10 | 3806.37 |
| | 31-Jul-2012 | | | | 14.37 | 3807.10 |
| | 24-Apr-2012 | | | | 14.27 | 3807.20 |
| | 25-Jan-2012 | | | | 13.40 | 3808.07 |
| | 8-Dec-2011 | | | | 13.84 | 3807.63 |
| | 19-Jul-2011 | | | | 13.63 | 3807.84 |
| | 18-Apr-2011 | | | | 13.21 | 3808.26 |
| | 17-Jan-2011 | | | | 12.71 | 3808.76 |
| | 16-Sep-2010 | | | | 12.14 | 3809.33 |
| | 23-Jun-2010 | | | | 12.59 | 3808.88 |
| | 21-Mar-2010 | | | | 12.88 | 3808.59 |
| | 9-Dec-2009 | | | | 12.10 | 3809.37 |
| | 29-Aug-2009 | | | | 12.13 | 3809.34 |
| | 26-May-2009 | | | | 12.31 | 3809.16 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| DAD-05 | 4-Aug-2023 | 396712.87 | 1519102.06 | 3816.01 | 16.03 | 3799.98 |
| | 4-May-2023 | | | | 16.83 | 3799.18 |
| | 7-Feb-2023 | | | | 16.74 | 3799.27 |
| | 4-Nov-2022 | | | | 16.03 | 3799.98 |
| | 5-Aug-2022 | | | | 15.37 | 3800.64 |
| | 4-May-2022 | | | | 15.78 | 3800.23 |
| | 9-Feb-2022 | | | | 16.32 | 3799.69 |
| | 3-Nov-2021 | | | | 16.21 | 3799.80 |
| | 6-Aug-2021 | | | | 15.55 | 3800.46 |
| | 4-May-2021 | | | | 15.42 | 3800.59 |
| | 12-Feb-2021 | | | | 14.88 | 3801.13 |
| | 4-Nov-2020 | | | | 15.16 | 3800.85 |
| | 12-Aug-2020 | | | | 14.93 | 3801.08 |
| | 12-May-2020 | | | | 15.60 | 3800.41 |
| | 6-Feb-2020 | | | | 15.30 | 3800.71 |
| | 8-Nov-2019 | | | | 15.51 | 3800.50 |
| | 2-Aug-2019 | | | | 14.21 | 3801.80 |
| | 9-May-2019 | | | | 16.19 | 3799.82 |
| | 19-Feb-2019 | | | | 15.65 | 3800.36 |
| | 13-Nov-2018 | | | | 15.28 | 3800.73 |
| | 7-Aug-2018 | | | | 14.25 | 3801.76 |
| | 14-May-2018 | | | | 15.45 | 3800.56 |
| | 6-Feb-2018 | | | | 14.95 | 3801.06 |
| | 7-Nov-2017 | | | | 13.75 | 3802.26 |
| | 7-Aug-2017 | | | | 13.70 | 3802.31 |
| | 16-May-2017 | | | | 15.96 | 3800.05 |
| | 7-Feb-2017 | | | | 15.86 | 3800.15 |
| | 8-Nov-2016 | | | | 15.46 | 3800.55 |
| | 16-Aug-2016 | | | | 14.28 | 3801.73 |
| | 17-May-2016 | | | | 16.85 | 3799.16 |
| | 10-Feb-2016 | | | | 16.55 | 3799.46 |
| | 6-Nov-2015 | | | | 16.57 | 3799.44 |
| | 13-Aug-2015 | | | | 14.38 | 3801.63 |
| | 7-May-2015 | | | | 18.16 | 3797.85 |
| | 6-Feb-2015 | | | | 16.60 | 3799.41 |
| | 10-Nov-2014 | | | | 17.25 | 3798.76 |
| | 13-Aug-2014 | | | | 14.33 | 3801.68 |
| | 13-May-2014 | | | | 17.24 | 3798.77 |
| | 13-Feb-2014 | | | | 15.82 | 3800.19 |
| | 7-Nov-2013 | | | | 15.39 | 3800.62 |
| | 7-Aug-2013 | | | | 15.32 | 3800.69 |
| | 8-May-2013 | | | | 15.78 | 3800.23 |
| | 8-Feb-2013 | | | | 15.08 | 3800.93 |
| | 29-Oct-2012 | | | | 14.85 | 3801.16 |
| | 2-Aug-2012 | | | | 14.17 | 3801.84 |
| | 24-Apr-2012 | | | | 14.14 | 3801.87 |
| | 25-Jan-2012 | | | | 14.11 | 3801.90 |
| | 8-Dec-2011 | | | | 14.05 | 3801.96 |
| | 18-Jul-2011 | | | | 12.31 | 3803.70 |
| | 18-Apr-2011 | | | | 12.58 | 3803.43 |
| | 17-Jan-2011 | | | | 12.50 | 3803.51 |
| | 16-Sep-2010 | | | | 11.87 | 3804.14 |
| | 23-Jun-2010 | | | | 12.95 | 3803.06 |
| | 21-Mar-2010 | | | | 12.92 | 3803.09 |
| | 9-Dec-2009 | | | | 12.13 | 3803.88 |
| | 29-Aug-2009 | | | | 11.85 | 3804.16 |
| | 26-May-2009 | | | | 12.07 | 3803.94 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| DAD-06 | 4-Nov-2022 | 404273.19 | 1522081.00 | 3887.71 | Plugged and Abandoned | |
| | 4-May-2022 | | | | Dry | |
| | 4-May-2022 | | | | Dry | |
| | 9-Feb-2022 | | | | Dry | |
| | 2-Nov-2021 | | | | Dry | |
| | 5-Aug-2021 | | | | Dry | |
| | 4-May-2021 | | | | Dry | |
| | 11-Feb-2021 | | | | Dry | |
| | 3-Nov-2020 | | | | Dry | |
| | 11-Aug-2020 | | | | Dry | |
| | 12-May-2020 | | | | Dry | |
| | 5-Feb-2020 | | | | Dry | |
| | 8-Nov-2019 | | | | Dry | |
| | 5-Aug-2019 | | | | Dry | |
| | 9-May-2019 | | | | Dry | |
| | 14-Mar-2019 | | | | Dry | |
| | 13-Nov-2018 | | | | Dry | |
| | 7-Aug-2018 | | | | Dry | |
| | 17-May-2018 | | | | Dry | |
| | 6-Feb-2018 | | | | Dry | |
| | 6-Nov-2017 | | | | Dry | |
| | 7-Aug-2017 | | | | Dry | |
| | 16-May-2017 | | | | Dry | |
| | 7-Feb-2017 | | | | Dry | |
| | 8-Nov-2016 | | | | Dry | |
| | 16-Aug-2016 | | | | Dry | |
| | 17-May-2016 | | | | Dry | |
| | 10-Feb-2016 | | | | Dry | |
| | 6-Nov-2015 | | | | Dry | |
| | 6-Aug-2015 | | | | Dry | |
| | 7-May-2015 | | | | Dry | |
| | 6-Feb-2015 | | | | Dry | |
| | 6-Nov-2014 | | | | Dry | |
| | 12-Aug-2014 | | | | Dry | |
| | 13-May-2014 | | | | Dry | |
| | 13-Feb-2014 | | | | Dry | |
| | 7-Nov-2013 | | | | Dry | |
| | 7-Aug-2013 | | | | Dry | |
| | 8-May-2013 | | | | 82.79 | 3804.92 |
| | 8-Feb-2013 | | | | 82.38 | 3805.33 |
| | 29-Oct-2012 | | | | 82.47 | 3805.24 |
| | 1-Aug-2012 | | | | 82.20 | 3805.51 |
| | 24-Apr-2012 | | | | 82.13 | 3805.58 |
| | 25-Jan-2012 | | | | 81.32 | 3806.39 |
| | 8-Dec-2011 | | | | 81.55 | 3806.16 |
| | 18-Jul-2011 | | | | 80.94 | 3806.77 |
| | 20-Apr-2011 | | | | 80.16 | 3807.55 |
| | 17-Jan-2011 | | | | 79.43 | 3808.28 |
| | 16-Sep-2010 | | | | 79.68 | 3808.03 |
| | 25-Jun-2010 | | | | 80.33 | 3807.38 |
| | 21-Mar-2010 | | | | 79.85 | 3807.86 |
| | 9-Dec-2009 | | | | 79.95 | 3807.76 |
| | 29-Aug-2009 | | | | 80.46 | 3807.25 |
| | 26-May-2009 | | | | 80.32 | 3807.39 |
| DAD-06R | 4-Aug-2023 | 404287.43 | 1522077.30 | 3887.80 | 86.20 | 3801.60 |
| | 3-May-2023 | | | | 85.90 | 3801.90 |
| | 6-Feb-2023 | | | | 85.55 | 3802.25 |
| | 7-Nov-2022 | | | | 85.70 | 3802.10 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| DAD-07 | 4-Aug-2023 | 399270.18 | 1524320.88 | 3891.38 | 93.31 | 3798.07 |
| | 3-May-2023 | | | | 93.15 | 3798.23 |
| | 7-Feb-2023 | | | | 93.08 | 3798.30 |
| | 4-Nov-2022 | | | | 93.10 | 3798.28 |
| | 5-Aug-2022 | | | | 92.92 | 3798.46 |
| | 4-May-2022 | | | | 92.63 | 3798.75 |
| | 9-Feb-2022 | | | | 92.40 | 3798.98 |
| | 3-Nov-2021 | | | | 91.88 | 3799.50 |
| | 6-Aug-2021 | | | | 91.10 | 3800.28 |
| | 5-May-2021 | | | | 92.24 | 3799.14 |
| | 12-Feb-2021 | | | | 92.06 | 3799.32 |
| | 4-Nov-2020 | | | | 92.50 | 3798.88 |
| | 12-Aug-2020 | | | | 92.10 | 3799.28 |
| | 12-May-2020 | | | | 92.56 | 3798.82 |
| | 6-Feb-2020 | | | | 92.36 | 3799.02 |
| | 7-Nov-2019 | | | | 92.70 | 3798.68 |
| | 2-Aug-2019 | | | | 92.67 | 3798.71 |
| | 9-May-2019 | | | | 92.67 | 3798.71 |
| | 9-May-2019 | | | | 90.29 | 3801.09 |
| | 20-Feb-2019 | | | | 92.24 | 3799.14 |
| | 13-Nov-2018 | | | | 92.59 | 3798.79 |
| | 7-Aug-2018 | | | | 92.45 | 3798.93 |
| | 14-May-2018 | | | | 92.27 | 3799.11 |
| | 5-Feb-2018 | | | | 92.16 | 3799.22 |
| | 6-Nov-2017 | | | | 92.47 | 3798.91 |
| | 7-Aug-2017 | | | | 92.72 | 3798.66 |
| | 15-May-2017 | | | | 92.61 | 3798.77 |
| | 7-Feb-2017 | | | | 92.40 | 3798.98 |
| | 8-Nov-2016 | | | | 93.77 | 3797.61 |
| | 16-Aug-2016 | | | | 92.94 | 3798.44 |
| | 17-May-2016 | | | | 92.81 | 3798.57 |
| | 10-Feb-2016 | | | | 92.64 | 3798.74 |
| | 6-Nov-2015 | | | | 92.59 | 3798.79 |
| | 6-Aug-2015 | | | | 92.43 | 3798.95 |
| | 7-May-2015 | | | | 92.46 | 3798.92 |
| | 6-Feb-2015 | | | | 92.28 | 3799.10 |
| | 6-Nov-2014 | | | | 92.34 | 3799.04 |
| | 12-Aug-2014 | | | | 92.12 | 3799.26 |
| | 13-May-2014 | | | | 91.88 | 3799.50 |
| | 13-Feb-2014 | | | | 91.37 | 3800.01 |
| | 7-Nov-2013 | | | | 91.60 | 3799.78 |
| | 7-Aug-2013 | | | | 91.19 | 3800.19 |
| | 8-May-2013 | | | | 90.89 | 3800.49 |
| | 8-Feb-2013 | | | | 90.13 | 3801.25 |
| | 29-Oct-2012 | | | | 90.34 | 3801.04 |
| | 2-Aug-2012 | | | | 90.38 | 3801.00 |
| | 24-Apr-2012 | | | | 90.25 | 3801.13 |
| | 25-Jan-2012 | | | | 89.75 | 3801.63 |
| | 8-Dec-2011 | | | | 89.35 | 3802.03 |
| | 18-Jul-2011 | | | | 88.98 | 3802.40 |
| | 20-Apr-2011 | | | | 88.34 | 3803.04 |
| | 17-Jan-2011 | | | | 87.94 | 3803.44 |
| | 16-Sep-2010 | | | | 88.29 | 3803.09 |
| | 25-Jun-2010 | | | | 88.49 | 3802.89 |
| | 21-Mar-2010 | | | | 88.00 | 3803.38 |
| | 9-Dec-2009 | | | | 88.19 | 3803.19 |
| | 29-Aug-2009 | | | | 88.45 | 3802.93 |
| | 26-May-2009 | | | | 88.14 | 3803.24 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| DAD-08 | 4-Aug-2023 | 395287.38 | 1522575.07 | 3849.15 | 53.28 | 3795.87 |
| | 4-May-2023 | | | | 53.10 | 3796.05 |
| | 7-Feb-2023 | | | | 52.80 | 3796.35 |
| | 4-Nov-2022 | | | | 53.18 | 3795.97 |
| | 5-Aug-2022 | | | | 53.40 | 3795.75 |
| | 4-May-2022 | | | | 52.74 | 3796.41 |
| | 9-Feb-2022 | | | | 51.83 | 3797.32 |
| | 3-Nov-2021 | | | | 52.60 | 3796.55 |
| | 6-Aug-2021 | | | | 52.90 | 3796.25 |
| | 5-May-2021 | | | | 51.89 | 3797.26 |
| | 12-Feb-2021 | | | | 51.00 | 3798.15 |
| | 4-Nov-2020 | | | | 51.32 | 3797.83 |
| | 12-Aug-2020 | | | | 50.89 | 3798.26 |
| | 12-May-2020 | | | | 51.55 | 3797.60 |
| | 6-Feb-2020 | | | | 50.99 | 3798.16 |
| | 8-Nov-2019 | | | | 50.31 | 3798.84 |
| | 2-Aug-2019 | | | | 51.90 | 3797.25 |
| | 9-May-2019 | | | | 51.68 | 3797.47 |
| | 20-Feb-2019 | | | | 50.77 | 3798.38 |
| | 13-Nov-2018 | | | | 51.58 | 3797.57 |
| | 7-Aug-2018 | | | | 51.70 | 3797.45 |
| | 14-May-2018 | | | | 52.20 | 3796.95 |
| | 6-Feb-2018 | | | | 50.88 | 3798.27 |
| | 7-Nov-2017 | | | | 51.15 | 3798.00 |
| | 7-Aug-2017 | | | | 51.71 | 3797.44 |
| | 16-May-2017 | | | | 52.95 | 3796.20 |
| | 7-Feb-2017 | | | | 51.74 | 3797.41 |
| | 8-Nov-2016 | | | | 52.45 | 3796.70 |
| | 16-Aug-2016 | | | | 52.89 | 3796.26 |
| | 17-May-2016 | | | | 53.80 | 3795.35 |
| | 10-Feb-2016 | | | | 52.64 | 3796.51 |
| | 6-Nov-2015 | | | | 53.04 | 3796.11 |
| | 6-Aug-2015 | | | | 52.90 | 3796.25 |
| | 7-May-2015 | | | | 53.22 | 3795.93 |
| | 6-Feb-2015 | | | | 51.97 | 3797.18 |
| | 6-Nov-2014 | | | | 52.61 | 3796.54 |
| | 13-Aug-2014 | | | | 53.09 | 3796.06 |
| | 13-May-2014 | | | | 53.98 | 3795.17 |
| | 13-Feb-2014 | | | | 51.31 | 3797.84 |
| | 7-Nov-2013 | | | | 51.50 | 3797.65 |
| | 7-Aug-2013 | | | | 53.18 | 3795.97 |
| | 8-May-2013 | | | | 52.43 | 3796.72 |
| | 8-Feb-2013 | | | | 50.37 | 3798.78 |
| | 29-Oct-2012 | | | | 49.86 | 3799.29 |
| | 1-Aug-2012 | | | | 50.34 | 3798.81 |
| | 24-Apr-2012 | | | | 50.34 | 3798.81 |
| | 25-Jan-2012 | | | | 49.62 | 3799.53 |
| | 13-Dec-2011 | | | | 50.12 | 3799.03 |
| | 18-Jul-2011 | | | | 49.97 | 3799.18 |
| | 20-Apr-2011 | | | | 48.87 | 3800.28 |
| | 18-Jan-2011 | | | | 47.80 | 3801.35 |
| | 17-Sep-2010 | | | | 47.05 | 3802.10 |
| | 25-Jun-2010 | | | | 48.06 | 3801.09 |
| | 21-Mar-2010 | | | | 47.76 | 3801.39 |
| | 9-Dec-2009 | | | | 47.42 | 3801.73 |
| | 29-Aug-2009 | | | | 47.18 | 3801.97 |
| | 26-May-2009 | | | | 47.38 | 3801.77 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| DAD-09 | 7-Aug-2023 | 373259.30 | 1530905.70 | 3838.03 | 57.11 | 3780.92 |
| | 4-May-2023 | | | | 57.21 | 3780.82 |
| | 7-Feb-2023 | | | | 57.03 | 3781.00 |
| | 4-Nov-2022 | | | | 56.76 | 3781.27 |
| | 5-Aug-2022 | | | | 56.22 | 3781.81 |
| | 4-May-2022 | | | | 55.40 | 3782.63 |
| | 10-Feb-2022 | | | | 54.53 | 3783.50 |
| | 3-Nov-2021 | | | | 55.25 | 3782.78 |
| | 6-Aug-2021 | | | | 55.76 | 3782.27 |
| | 5-May-2021 | | | | 55.78 | 3782.25 |
| | 12-Feb-2021 | | | | 55.66 | 3782.37 |
| | 4-Nov-2020 | | | | 55.94 | 3782.09 |
| | 12-Aug-2020 | | | | 55.90 | 3782.13 |
| | 12-May-2020 | | | | 55.75 | 3782.28 |
| | 6-Feb-2020 | | | | 54.85 | 3783.18 |
| | 8-Nov-2019 | | | | 54.31 | 3783.72 |
| | 2-Aug-2019 | | | | 55.00 | 3783.03 |
| | 9-May-2019 | | | | 55.99 | 3782.04 |
| | 20-Feb-2019 | | | | 57.75 | 3780.28 |
| | 13-Nov-2018 | | | | 58.15 | 3779.88 |
| | 7-Aug-2018 | | | | 58.32 | 3779.71 |
| | 14-May-2018 | | | | 58.25 | 3779.78 |
| | 6-Feb-2018 | | | | 58.10 | 3779.93 |
| | 7-Nov-2017 | | | | 58.28 | 3779.75 |
| | 9-Aug-2017 | | | | 58.73 | 3779.30 |
| | 16-May-2017 | | | | 58.56 | 3779.47 |
| | 7-Feb-2017 | | | | 58.25 | 3779.78 |
| | 8-Nov-2016 | | | | 58.46 | 3779.57 |
| | 16-Aug-2016 | | | | 58.28 | 3779.75 |
| | 17-May-2016 | | | | 57.91 | 3780.12 |
| | 10-Feb-2016 | | | | 57.75 | 3780.28 |
| | 6-Nov-2015 | | | | 57.46 | 3780.57 |
| | 6-Aug-2015 | | | | 57.36 | 3780.67 |
| | 7-May-2015 | | | | 57.19 | 3780.84 |
| | 6-Feb-2015 | | | | 56.90 | 3781.13 |
| | 6-Nov-2014 | | | | 56.69 | 3781.34 |
| | 12-Aug-2014 | | | | 56.57 | 3781.46 |
| | 13-May-2014 | | | | 56.14 | 3781.89 |
| | 13-Feb-2014 | | | | 55.65 | 3782.38 |
| | 7-Nov-2013 | | | | 55.17 | 3782.86 |
| | 7-Aug-2013 | | | | 55.35 | 3782.68 |
| | 7-May-2013 | | | | 54.94 | 3783.09 |
| | 8-Feb-2013 | | | | 54.67 | 3783.36 |
| | 29-Oct-2012 | | | | 54.13 | 3783.90 |
| | 2-Aug-2012 | | | | 53.86 | 3784.17 |
| | 24-Apr-2012 | | | | 53.40 | 3784.63 |
| | 25-Jan-2012 | | | | 52.67 | 3785.36 |
| | 13-Dec-2011 | | | | 52.62 | 3785.41 |
| | 18-Jul-2011 | | | | 52.28 | 3785.75 |
| | 18-Apr-2011 | | | | 51.89 | 3786.14 |
| | 17-Jan-2011 | | | | 51.09 | 3786.94 |
| | 17-Sep-2010 | | | | 51.55 | 3786.48 |
| | 29-Jun-2010 | | | | 52.20 | 3785.83 |
| | 21-Mar-2010 | | | | 51.84 | 3786.19 |
| | 9-Dec-2009 | | | | 52.12 | 3785.91 |
| | 29-Aug-2009 | | | | 52.23 | 3785.80 |
| | 26-May-2009 | | | | 52.49 | 3785.54 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| DAD-10 | 7-Aug-2023 | 372980.55 | 1532375.33 | 3854.93 | 83.83 | 3771.10 |
| | 4-May-2023 | | | | 84.14 | 3770.79 |
| | 7-Feb-2023 | | | | 83.45 | 3771.48 |
| | 4-Nov-2022 | | | | 84.06 | 3770.87 |
| | 5-Aug-2022 | | | | 84.64 | 3770.29 |
| | 4-May-2022 | | | | 84.08 | 3770.85 |
| | 10-Feb-2022 | | | | 83.25 | 3771.68 |
| | 3-Nov-2021 | | | | 84.12 | 3770.81 |
| | 6-Aug-2021 | | | | 83.97 | 3770.96 |
| | 5-May-2021 | | | | 83.93 | 3771.00 |
| | 12-Feb-2021 | | | | 83.01 | 3771.92 |
| | 4-Nov-2020 | | | | 83.78 | 3771.15 |
| | 12-Aug-2020 | | | | 83.10 | 3771.83 |
| | 12-May-2020 | | | | 83.44 | 3771.49 |
| | 6-Feb-2020 | | | | 82.95 | 3771.98 |
| | 7-Nov-2019 | | | | 83.76 | 3771.17 |
| | 2-Aug-2019 | | | | 83.38 | 3771.55 |
| | 9-May-2019 | | | | 83.71 | 3771.22 |
| | 20-Feb-2019 | | | | 82.71 | 3772.22 |
| | 13-Nov-2018 | | | | 84.08 | 3770.85 |
| | 7-Aug-2018 | | | | 84.45 | 3770.48 |
| | 17-May-2018 | | | | 84.35 | 3770.58 |
| | 5-Feb-2018 | | | | 82.54 | 3772.39 |
| | 6-Nov-2017 | | | | 83.29 | 3771.64 |
| | 9-Aug-2017 | | | | 83.76 | 3771.17 |
| | 16-May-2017 | | | | 84.45 | 3770.48 |
| | 7-Feb-2017 | | | | 82.58 | 3772.35 |
| | 8-Nov-2016 | | | | 84.47 | 3770.46 |
| | 16-Aug-2016 | | | | 84.45 | 3770.48 |
| | 17-May-2016 | | | | 83.77 | 3771.16 |
| | 10-Feb-2016 | | | | 82.52 | 3772.41 |
| | 6-Nov-2015 | | | | 83.80 | 3771.13 |
| | 6-Aug-2015 | | | | 83.56 | 3771.37 |
| | 7-May-2015 | | | | 83.93 | 3771.00 |
| | 6-Feb-2015 | | | | 82.18 | 3772.75 |
| | 6-Nov-2014 | | | | 83.31 | 3771.62 |
| | 12-Aug-2014 | | | | 83.25 | 3771.68 |
| | 13-May-2014 | | | | 83.61 | 3771.32 |
| | 17-Feb-2014 | | | | 81.59 | 3773.34 |
| | 7-Nov-2013 | | | | 82.75 | 3772.18 |
| | 7-Aug-2013 | | | | 82.78 | 3772.15 |
| | 7-May-2013 | | | | 81.77 | 3773.16 |
| | 8-Feb-2013 | | | | 80.87 | 3774.06 |
| | 29-Oct-2012 | | | | 81.02 | 3773.91 |
| | 2-Aug-2012 | | | | 81.47 | 3773.46 |
| | 24-Apr-2012 | | | | 80.36 | 3774.57 |
| | 25-Jan-2012 | | | | 78.76 | 3776.17 |
| | 13-Dec-2011 | | | | 79.07 | 3775.86 |
| | 18-Jul-2011 | | | | 80.29 | 3774.64 |
| | 20-Apr-2011 | | | | 79.13 | 3775.80 |
| | 17-Jan-2011 | | | | 77.82 | 3777.11 |
| | 17-Sep-2010 | | | | 78.66 | 3776.27 |
| | 29-Jun-2010 | | | | 78.59 | 3776.34 |
| | 21-Mar-2010 | | | | 77.19 | 3777.74 |
| | 9-Dec-2009 | | | | 77.92 | 3777.01 |
| | 29-Aug-2009 | | | | 78.72 | 3776.21 |
| | 26-May-2009 | | | | 77.90 | 3777.03 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| DAD-11 Vertical Delineation | 3-Aug-2023 | 416211.35 | 1513814.71 | 3835.90 | 23.51 | 3812.39 |
| | 2-May-2023 | | | | 24.19 | 3811.71 |
| | 3-Feb-2023 | | | | 24.05 | 3811.85 |
| | 2-Nov-2022 | | | | 23.31 | 3812.59 |
| | 4-Aug-2022 | | | | 22.52 | 3813.38 |
| | 3-May-2022 | | | | 23.12 | 3812.78 |
| | 8-Feb-2022 | | | | 23.06 | 3812.84 |
| | 2-Nov-2021 | | | | 22.75 | 3813.15 |
| | 5-Aug-2021 | | | | 22.52 | 3813.38 |
| | 4-May-2021 | | | | 22.45 | 3813.45 |
| | 11-Feb-2021 | | | | 21.86 | 3814.04 |
| | 3-Nov-2020 | | | | 21.38 | 3814.52 |
| | 11-Aug-2020 | | | | 21.32 | 3814.58 |
| | 12-May-2020 | | | | 22.07 | 3813.83 |
| | 5-Feb-2020 | | | | 21.54 | 3814.36 |
| | 8-Nov-2019 | | | | 20.17 | 3815.73 |
| | 1-Aug-2019 | | | | 21.65 | 3814.25 |
| | 8-May-2019 | | | | 21.95 | 3813.95 |
| | 19-Feb-2019 | | | | 21.35 | 3814.55 |
| | 12-Nov-2018 | | | | 21.45 | 3814.45 |
| | 6-Aug-2018 | | | | 20.21 | 3815.69 |
| | 17-May-2018 | | | | 22.15 | 3813.75 |
| | 6-Feb-2018 | | | | 21.38 | 3814.52 |
| | 6-Nov-2017 | | | | 21.15 | 3814.75 |
| | 8-Aug-2017 | | | | 21.55 | 3814.35 |
| | 15-May-2017 | | | | 22.79 | 3813.11 |
| | 7-Feb-2017 | | | | 22.75 | 3813.15 |
| | 8-Nov-2016 | | | | 22.20 | 3813.70 |
| | 16-Aug-2016 | | | | 22.20 | 3813.70 |
| | 17-May-2016 | | | | 23.54 | 3812.36 |
| | 10-Feb-2016 | | | | 23.14 | 3812.76 |
| | 6-Nov-2015 | | | | 22.92 | 3812.98 |
| | 6-Aug-2015 | | | | 22.38 | 3813.52 |
| | 7-May-2015 | | | | 22.64 | 3813.26 |
| | 6-Feb-2015 | | | | 22.50 | 3813.40 |
| | 10-Nov-2014 | | | | 21.80 | 3814.10 |
| | 13-Aug-2014 | | | | 20.77 | 3815.13 |
| | 12-May-2014 | | | | 21.34 | 3814.56 |
| | 12-Feb-2014 | | | | 21.64 | 3814.26 |
| | 7-Nov-2013 | | | | 20.76 | 3815.14 |
| | 7-Aug-2013 | | | | 20.17 | 3815.73 |
| | 8-May-2013 | | | | 20.70 | 3815.20 |
| | 8-Feb-2013 | | | | 19.25 | 3816.65 |
| | 29-Oct-2012 | | | | 19.07 | 3816.83 |
| | 30-Jul-2012 | | | | 18.57 | 3817.33 |
| | 24-Apr-2012 | | | | 19.12 | 3816.78 |
| | 25-Jan-2012 | | | | 18.40 | 3817.50 |
| | 13-Dec-2011 | | | | 18.75 | 3817.15 |
| | 19-Jul-2011 | | | | 17.54 | 3818.36 |
| | 19-Apr-2011 | | | | 17.31 | 3818.59 |
| | 17-Jan-2011 | | | | 16.99 | 3818.91 |
| | 15-Sep-2010 | | | | 16.24 | 3819.66 |
| | 23-Jun-2010 | | | | 16.53 | 3819.37 |
| | 22-Mar-2010 | | | | 17.29 | 3818.61 |
| | 8-Dec-2009 | | | | 16.82 | 3819.08 |
| | 28-Aug-2009 | | | | 16.63 | 3819.27 |
| | 26-May-2009 | | | | 16.92 | 3818.98 |
| | 10-Dec-2008 | | | | 17.05 | 3818.85 |
| | 27-Sep-2008 | | | | 16.65 | 3819.25 |
| | 10-Jun-2008 | | | | 17.53 | 3818.37 |
| | 6-Feb-2008 | | | | 17.33 | 3818.57 |
| | 13-Nov-2007 | | | | 17.19 | 3818.71 |
| | 13-Sep-2007 | | | | 16.61 | 3819.29 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| DAD-12 Vertical Delineation | 3-Aug-2023 | 419731.54 | 1512274.77 | 3866.72 | 54.01 | 3812.71 |
| | 2-May-2023 | | | | 53.05 | 3813.67 |
| | 2-Feb-2023 | | | | 52.30 | 3814.42 |
| | 1-Nov-2022 | | | | 52.86 | 3813.86 |
| | 2-Aug-2022 | | | | 52.37 | 3814.35 |
| | 2-May-2022 | | | | 52.90 | 3813.82 |
| | 7-Feb-2022 | | | | 52.66 | 3814.06 |
| | 1-Nov-2021 | | | | 52.15 | 3814.57 |
| | 4-Aug-2021 | | | | 51.51 | 3815.21 |
| | 3-May-2021 | | | | 51.70 | 3815.02 |
| | 10-Feb-2021 | | | | 51.30 | 3815.42 |
| | 2-Nov-2020 | | | | 51.88 | 3814.84 |
| | 10-Aug-2020 | | | | 52.01 | 3814.71 |
| | 12-May-2020 | | | | 52.32 | 3814.40 |
| | 4-Feb-2020 | | | | 51.66 | 3815.06 |
| | 8-Nov-2019 | | | | 50.91 | 3815.81 |
| | 5-Aug-2019 | | | | 51.71 | 3815.01 |
| | 8-May-2019 | | | | 51.75 | 3814.97 |
| | 19-Feb-2019 | | | | 51.65 | 3815.07 |
| | 13-Nov-2018 | | | | 51.28 | 3815.44 |
| | 6-Aug-2018 | | | | 50.60 | 3816.12 |
| | 17-May-2018 | | | | 52.21 | 3814.51 |
| | 6-Feb-2018 | | | | 51.35 | 3815.37 |
| | 7-Nov-2017 | | | | 51.30 | 3815.42 |
| | 8-Aug-2017 | | | | 52.10 | 3814.62 |
| | 15-May-2017 | | | | 52.48 | 3814.24 |
| | 7-Feb-2017 | | | | 52.63 | 3814.09 |
| | 7-Nov-2016 | | | | 52.41 | 3814.31 |
| | 16-Aug-2016 | | | | 52.73 | 3813.99 |
| | 17-May-2016 | | | | 53.20 | 3813.52 |
| | 10-Feb-2016 | | | | 52.77 | 3813.95 |
| | 6-Nov-2015 | | | | 52.77 | 3813.95 |
| | 6-Aug-2015 | | | | 52.87 | 3813.85 |
| | 7-May-2015 | | | | 52.75 | 3813.97 |
| | 6-Feb-2015 | | | | 52.18 | 3814.54 |
| | 10-Nov-2014 | | | | 51.93 | 3814.79 |
| | 13-Aug-2014 | | | | 51.10 | 3815.62 |
| | 12-May-2014 | | | | 51.43 | 3815.29 |
| | 12-Feb-2014 | | | | 50.92 | 3815.80 |
| | 7-Nov-2013 | | | | 50.49 | 3816.23 |
| | 7-Aug-2013 | | | | 49.24 | 3817.48 |
| | 7-May-2013 | | | | 49.66 | 3817.06 |
| | 8-Feb-2013 | | | | 49.36 | 3817.36 |
| | 29-Oct-2012 | | | | 48.96 | 3817.76 |
| | 31-Jul-2012 | | | | 48.59 | 3818.13 |
| | 23-Apr-2011 | | | | 48.44 | 3818.28 |
| | 25-Jan-2012 | | | | 48.01 | 3818.71 |
| | 6-Dec-2011 | | | | 48.15 | 3818.57 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| DAD-13 | 3-Aug-2023 | 417879.08 | 1515673.13 | 3898.44 | 88.67 | 3809.77 |
| | 2-May-2023 | | | | 88.53 | 3809.91 |
| | 2-Feb-2023 | | | | 87.60 | 3810.84 |
| | 4-Nov-2022 | | | | 87.33 | 3811.11 |
| | 4-Aug-2022 | | | | 88.10 | 3810.34 |
| | 3-May-2022 | | | | 87.50 | 3810.94 |
| | 8-Feb-2022 | | | | 86.91 | 3811.53 |
| | 2-Nov-2021 | | | | 87.62 | 3810.82 |
| | 5-Aug-2021 | | | | 88.50 | 3809.94 |
| | 4-May-2021 | | | | 87.17 | 3811.27 |
| | 11-Feb-2021 | | | | 86.29 | 3812.15 |
| | 3-Nov-2020 | | | | 86.76 | 3811.68 |
| | 11-Aug-2020 | | | | 87.56 | 3810.88 |
| | 12-May-2020 | | | | 87.41 | 3811.03 |
| | 5-Feb-2020 | | | | 86.10 | 3812.34 |
| | 8-Nov-2019 | | | | 87.13 | 3811.31 |
| | 1-Aug-2019 | | | | 88.64 | 3809.80 |
| | 8-May-2019 | | | | 88.75 | 3809.69 |
| | 19-Feb-2019 | | | | 86.29 | 3812.15 |
| | 12-Nov-2018 | | | | 86.20 | 3812.24 |
| | 6-Aug-2018 | | | | 89.48 | 3808.96 |
| | 17-May-2018 | | | | 89.84 | 3808.60 |
| | 5-Feb-2018 | | | | 85.81 | 3812.63 |
| | 6-Nov-2017 | | | | 86.65 | 3811.79 |
| | 8-Aug-2017 | | | | 88.68 | 3809.76 |
| | 15-May-2017 | | | | 88.16 | 3810.28 |
| | 7-Feb-2017 | | | | 86.25 | 3812.19 |
| | 8-Nov-2016 | | | | 87.04 | 3811.40 |
| | 16-Aug-2016 | | | | 87.70 | 3810.74 |
| | 20-May-2016 | | | | 88.63 | 3809.81 |
| | 10-Feb-2016 | | | | 86.30 | 3812.14 |
| | 6-Nov-2015 | | | | 86.40 | 3812.04 |
| | 6-Aug-2015 | | | | 88.65 | 3809.79 |
| | 7-May-2015 | | | | 88.05 | 3810.39 |
| | 6-Feb-2015 | | | | 85.50 | 3812.94 |
| | 10-Nov-2014 | | | | 85.74 | 3812.70 |
| | 13-Aug-2014 | | | | 86.67 | 3811.77 |
| | 13-May-2014 | | | | 87.24 | 3811.20 |
| | 12-Feb-2014 | | | | 84.45 | 3813.99 |
| | 7-Nov-2013 | | | | 85.43 | 3813.01 |
| | 14-Aug-2013 | | | | 86.46 | 3811.98 |
| | 8-May-2013 | | | | 84.96 | 3813.48 |
| | 8-Feb-2013 | | | | 84.81 | 3813.63 |
| | 29-Oct-2012 | | | | 85.39 | 3813.05 |
| | 30-Jul-2012 | | | | 85.51 | 3812.93 |
| | 23-Apr-2012 | | | | 83.56 | 3814.88 |
| | 25-Jan-2012 | | | | 82.72 | 3815.72 |
| | 8-Dec-2011 | | | | 82.88 | 3815.56 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| DAD-14 | 3-Aug-2023 | 414923.33 | 1514695.26 | 3841.90 | 32.06 | 3809.84 |
| | 2-May-2023 | | | | 31.85 | 3810.05 |
| | 3-Feb-2023 | | | | 31.52 | 3810.38 |
| | 2-Nov-2022 | | | | 31.30 | 3810.60 |
| | 4-Aug-2022 | | | | 30.65 | 3811.25 |
| | 3-May-2022 | | | | 30.80 | 3811.10 |
| | 8-Feb-2022 | | | | 30.44 | 3811.46 |
| | 2-Nov-2021 | | | | 30.51 | 3811.39 |
| | 5-Aug-2021 | | | | 30.22 | 3811.68 |
| | 4-May-2021 | | | | 30.25 | 3811.65 |
| | 11-Feb-2021 | | | | 29.31 | 3812.59 |
| | 3-Nov-2020 | | | | 29.43 | 3812.47 |
| | 11-Aug-2020 | | | | 29.36 | 3812.54 |
| | 11-May-2010 | | | | 29.85 | 3812.05 |
| | 5-Feb-2020 | | | | 29.30 | 3812.60 |
| | 8-Nov-2019 | | | | 29.64 | 3812.26 |
| | 1-Aug-2019 | | | | 30.10 | 3811.80 |
| | 8-May-2019 | | | | 29.77 | 3812.13 |
| | 19-Feb-2019 | | | | 29.24 | 3812.66 |
| | 12-Nov-2018 | | | | 29.30 | 3812.60 |
| | 6-Aug-2018 | | | | 29.35 | 3812.55 |
| | 17-May-2018 | | | | 29.55 | 3812.35 |
| | 5-Feb-2018 | | | | 28.80 | 3813.10 |
| | 6-Nov-2017 | | | | 29.07 | 3812.83 |
| | 9-Aug-2017 | | | | 29.75 | 3812.15 |
| | 15-May-2017 | | | | 30.40 | 3811.50 |
| | 7-Feb-2017 | | | | 30.00 | 3811.90 |
| | 8-Nov-2016 | | | | 30.18 | 3811.72 |
| | 16-Aug-2016 | | | | 30.55 | 3811.35 |
| | 17-May-2016 | | | | 30.95 | 3810.95 |
| | 10-Feb-2016 | | | | 30.47 | 3811.43 |
| | 6-Nov-2015 | | | | 30.54 | 3811.36 |
| | 6-Aug-2015 | | | | 30.47 | 3811.43 |
| | 7-May-2015 | | | | 30.29 | 3811.61 |
| | 6-Feb-2015 | | | | 29.83 | 3812.07 |
| | 10-Nov-2014 | | | | 29.50 | 3812.40 |
| | 13-Aug-2014 | | | | 28.63 | 3813.27 |
| | 13-May-2014 | | | | 29.68 | 3812.22 |
| | 12-Feb-2014 | | | | 29.02 | 3812.88 |
| | 7-Nov-2013 | | | | 28.44 | 3813.46 |
| | 7-Aug-2013 | | | | 28.25 | 3813.65 |
| | 8-May-2013 | | | | 28.15 | 3813.75 |
| | 8-Feb-2013 | | | | 27.31 | 3814.59 |
| | 25-Oct-2012 | | | | 26.62 | 3815.28 |
| | 30-Jul-2012 | | | | 25.85 | 3816.05 |
| | 24-Apr-2012 | | | | 26.07 | 3815.83 |
| | 25-Jan-2012 | | | | 26.10 | 3815.80 |
| | 8-Dec-2011 | | | | 26.30 | 3815.60 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| DAD-15 | 3-Aug-2023 | 402001.22 | 1523552.04 | 3897.61 | 97.11 | 3800.50 |
| | 3-May-2023 | | | | 97.01 | 3800.60 |
| | 6-Feb-2023 | | | | 96.80 | 3800.81 |
| | 3-Nov-2022 | | | | 96.77 | 3800.84 |
| | 4-Aug-2022 | | | | 96.70 | 3800.91 |
| | 3-May-2022 | | | | 96.38 | 3801.23 |
| | 10-Feb-2022 | | | | 96.11 | 3801.50 |
| | 2-Nov-2021 | | | | 96.30 | 3801.31 |
| | 5-Aug-2021 | | | | Not Gauged - Inaccessible | |
| | 5-May-2021 | | | | 96.24 | 3801.37 |
| | 11-Feb-2021 | | | | 95.91 | 3801.70 |
| | 4-Nov-2020 | | | | 96.25 | 3801.36 |
| | 12-Aug-2020 | | | | 95.73 | 3801.88 |
| | 12-May-2020 | | | | 96.39 | 3801.22 |
| | 6-Feb-2020 | | | | 95.22 | 3802.39 |
| | 25-Nov-2019 | | | | 96.40 | 3801.21 |
| | 5-Aug-2019 | | | | 96.30 | 3801.31 |
| | 9-May-2019 | | | | 96.00 | 3801.61 |
| | 21-Feb-2019 | | | | 95.71 | 3801.90 |
| | 13-Nov-2018 | | | | 96.05 | 3801.56 |
| | 7-Aug-2018 | | | | 95.74 | 3801.87 |
| | 17-May-2018 | | | | 95.65 | 3801.96 |
| | 6-Feb-2018 | | | | 95.62 | 3801.99 |
| | 7-Nov-2017 | | | | 95.86 | 3801.75 |
| | 15-Aug-2017 | | | | 96.41 | 3801.20 |
| | 16-May-2017 | | | | 96.18 | 3801.43 |
| | 16-Feb-2017 | | | | 95.81 | 3801.80 |
| | 8-Nov-2016 | | | | 96.21 | 3801.40 |
| | 16-Aug-2016 | | | | 96.38 | 3801.23 |
| | 17-May-2016 | | | | 96.32 | 3801.29 |
| | 10-Feb-2016 | | | | 96.00 | 3801.61 |
| | 6-Nov-2015 | | | | 96.08 | 3801.53 |
| | 6-Aug-2015 | | | | 96.05 | 3801.56 |
| | 7-May-2015 | | | | 96.05 | 3801.56 |
| | 6-Feb-2015 | | | | 95.65 | 3801.96 |
| | 6-Nov-2014 | | | | 95.11 | 3802.50 |
| | 14-Aug-2014 | | | | 95.50 | 3802.11 |
| | 13-May-2014 | | | | 95.47 | 3802.14 |
| | 12-Feb-2014 | | | | 94.81 | 3802.80 |
| | 7-Nov-2013 | | | | 95.08 | 3802.53 |
| | 7-Aug-2013 | | | | 95.31 | 3802.30 |
| | 8-May-2013 | | | | 94.35 | 3803.26 |
| | 8-Feb-2013 | | | | 94.01 | 3803.60 |
| | 29-Oct-2012 | | | | 93.78 | 3803.83 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| DAD-16 | 4-Aug-2023 | 400628.77 | 1519350.74 | 3819.28 | 20.91 | 3798.37 |
| | 3-May-2023 | | | | 20.05 | 3799.23 |
| | 6-Feb-2023 | | | | 19.85 | 3799.43 |
| | 3-Nov-2022 | | | | 20.30 | 3798.98 |
| | 4-Aug-2022 | | | | 20.02 | 3799.26 |
| | 4-May-2022 | | | | 19.39 | 3799.89 |
| | 8-Feb-2022 | | | | 18.65 | 3800.63 |
| | 3-Nov-2021 | | | | 19.13 | 3800.15 |
| | 6-Aug-2021 | | | | 20.01 | 3799.27 |
| | 5-May-2021 | | | | 16.57 | 3802.71 |
| | 11-Feb-2021 | | | | 17.32 | 3801.96 |
| | 3-Nov-2020 | | | | 17.76 | 3801.52 |
| | 11-Aug-2020 | | | | 18.04 | 3801.24 |
| | 12-May-2020 | | | | 18.40 | 3800.88 |
| | 6-Feb-2020 | | | | 17.25 | 3802.03 |
| | 8-Nov-2019 | | | | 18.44 | 3800.84 |
| | 5-Aug-2019 | | | | 19.03 | 3800.25 |
| | 9-May-2019 | | | | 19.25 | 3800.03 |
| | 20-Feb-2019 | | | | 17.45 | 3801.83 |
| | 13-Nov-2018 | | | | 17.90 | 3801.38 |
| | 7-Aug-2018 | | | | 18.00 | 3801.28 |
| | 17-May-2018 | | | | 18.45 | 3800.83 |
| | 6-Feb-2018 | | | | 16.39 | 3802.89 |
| | 7-Nov-2017 | | | | 16.26 | 3803.02 |
| | 9-Aug-2017 | | | | 16.60 | 3802.68 |
| | 16-May-2017 | | | | 19.34 | 3799.94 |
| | 7-Feb-2017 | | | | 17.16 | 3802.12 |
| | 8-Nov-2016 | | | | 17.73 | 3801.55 |
| | 16-Aug-2016 | | | | 17.70 | 3801.58 |
| | 17-May-2016 | | | | 20.22 | 3799.06 |
| | 10-Feb-2016 | | | | 18.46 | 3800.82 |
| | 6-Nov-2015 | | | | 19.24 | 3800.04 |
| | 6-Aug-2015 | | | | 19.46 | 3799.82 |
| | 7-May-2015 | | | | 20.45 | 3798.83 |
| | 6-Feb-2015 | | | | 18.45 | 3800.83 |
| | 10-Nov-2014 | | | | 18.94 | 3800.34 |
| | 13-Aug-2014 | | | | 19.45 | 3799.83 |
| | 13-May-2014 | | | | 20.31 | 3798.97 |
| | 13-Feb-2014 | | | | 18.45 | 3800.83 |
| | 7-Nov-2013 | | | | 18.94 | 3800.34 |
| | 7-Aug-2013 | | | | 19.06 | 3800.22 |
| | 8-May-2013 | | | | 18.49 | 3800.79 |
| | 8-Feb-2013 | | | | 17.20 | 3802.08 |
| | 29-Oct-2012 | | | | 17.23 | 3802.05 |
| | 31-Jul-2012 | | | | 18.58 | 3800.70 |
| | 24-Apr-2012 | | | | 17.64 | 3801.64 |
| | 25-Jan-2012 | | | | 16.50 | 3802.78 |
| | 8-Dec-2011 | | | | 16.58 | 3802.70 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| DAD-17 | 4-Aug-2023 | 393991.97 | 1520267.94 | 3817.75 | 20.73 | 3797.02 |
| | 4-May-2023 | | | | 21.66 | 3796.09 |
| | 7-Feb-2023 | | | | 20.79 | 3796.96 |
| | 4-Nov-2022 | | | | 21.27 | 3796.48 |
| | 5-Aug-2022 | | | | 21.69 | 3796.06 |
| | 4-May-2022 | | | | 20.87 | 3796.88 |
| | 9-Feb-2022 | | | | 20.02 | 3797.73 |
| | 3-Nov-2021 | | | | 20.26 | 3797.49 |
| | 6-Aug-2021 | | | | 20.99 | 3796.76 |
| | 5-May-2021 | | | | 19.91 | 3797.84 |
| | 12-Feb-2021 | | | | 19.05 | 3798.70 |
| | 4-Nov-2020 | | | | 19.00 | 3798.75 |
| | 12-Aug-2020 | | | | 19.03 | 3798.72 |
| | 12-May-2020 | | | | 19.97 | 3797.78 |
| | 6-Feb-2020 | | | | 18.87 | 3798.88 |
| | 8-Nov-2019 | | | | 18.18 | 3799.57 |
| | 2-Aug-2019 | | | | 19.31 | 3798.44 |
| | 9-May-2019 | | | | 20.17 | 3797.58 |
| | 19-Feb-2019 | | | | 19.20 | 3798.55 |
| | 13-Nov-2018 | | | | 19.35 | 3798.40 |
| | 7-Aug-2018 | | | | 18.72 | 3799.03 |
| | 14-May-2018 | | | | 21.04 | 3796.71 |
| | 6-Feb-2018 | | | | 18.61 | 3799.14 |
| | 7-Nov-2017 | | | | 18.41 | 3799.34 |
| | 9-Aug-2017 | | | | 18.07 | 3799.68 |
| | 16-May-2017 | | | | 20.56 | 3797.19 |
| | 7-Feb-2017 | | | | 19.47 | 3798.28 |
| | 8-Nov-2016 | | | | 20.18 | 3797.57 |
| | 16-Aug-2016 | | | | 20.17 | 3797.58 |
| | 17-May-2016 | | | | 22.97 | 3794.78 |
| | 10-Feb-2016 | | | | 21.22 | 3796.53 |
| | 6-Nov-2015 | | | | 22.95 | 3794.80 |
| | 13-Aug-2015 | | | | 21.95 | 3795.80 |
| | 7-May-2015 | | | | 22.59 | 3795.16 |
| | 6-Feb-2015 | | | | 21.00 | 3796.75 |
| | 10-Nov-2014 | | | | 21.76 | 3795.99 |
| | 13-Aug-2014 | | | | 20.32 | 3797.43 |
| | 13-May-2014 | | | | 23.32 | 3794.43 |
| | 12-Feb-2014 | | | | 20.05 | 3797.70 |
| | 7-Nov-2013 | | | | 20.21 | 3797.54 |
| | 7-Aug-2013 | | | | 19.75 | 3798.00 |
| | 13-May-2013 | | | | 19.37 | 3798.38 |
| | 8-Feb-2013 | | | | 18.55 | 3799.20 |
| | 29-Oct-2012 | | | | 19.18 | 3798.57 |
| | 2-Aug-2012 | | | | 19.07 | 3798.68 |
| | 24-Apr-2012 | | | | 21.01 | 3796.74 |
| | 25-Jan-2012 | | | | 17.74 | 3800.01 |
| | 9-Dec-2011 | | | | 19.21 | 3798.54 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| DAD-18 Vertical Delineation | 4-Aug-2023 | 395714.14 | 1520588.96 | 3821.59 | 23.80 | 3797.79 |
| | 4-May-2023 | | | | 24.55 | 3797.04 |
| | 7-Feb-2023 | | | | 23.91 | 3797.68 |
| | 4-Nov-2022 | | | | 24.48 | 3797.11 |
| | 5-Aug-2022 | | | | 23.86 | 3797.73 |
| | 4-May-2022 | | | | 24.18 | 3797.41 |
| | 9-Feb-2022 | | | | 23.41 | 3798.18 |
| | 3-Nov-2021 | | | | 24.06 | 3797.53 |
| | 6-Aug-2021 | | | | 23.70 | 3797.89 |
| | 5-May-2021 | | | | 23.11 | 3798.48 |
| | 12-Feb-2021 | | | | 22.02 | 3799.57 |
| | 4-Nov-2020 | | | | 21.24 | 3800.35 |
| | 12-Aug-2020 | | | | 20.65 | 3800.94 |
| | 12-May-2020 | | | | 21.28 | 3800.31 |
| | 6-Feb-2020 | | | | 20.19 | 3801.40 |
| | 8-Nov-2019 | | | | 20.00 | 3801.59 |
| | 2-Aug-2019 | | | | 21.26 | 3800.33 |
| | 9-May-2019 | | | | 23.49 | 3798.10 |
| | 20-Feb-2019 | | | | 22.24 | 3799.35 |
| | 13-Nov-2018 | | | | 22.43 | 3799.16 |
| | 7-Aug-2018 | | | | 21.95 | 3799.64 |
| | 14-May-2018 | | | | 23.58 | 3798.01 |
| | 6-Feb-2018 | | | | 22.00 | 3799.59 |
| | 7-Nov-2017 | | | | 22.41 | 3799.18 |
| | 7-Aug-2017 | | | | 21.97 | 3799.62 |
| | 16-May-2017 | | | | 24.19 | 3797.40 |
| | 7-Feb-2017 | | | | 23.25 | 3798.34 |
| | 8-Nov-2016 | | | | 23.55 | 3798.04 |
| | 16-Aug-2016 | | | | 22.10 | 3799.49 |
| | 17-May-2016 | | | | 25.39 | 3796.20 |
| | 10-Feb-2016 | | | | 23.81 | 3797.78 |
| | 6-Nov-2015 | | | | 24.35 | 3797.24 |
| | 13-Aug-2015 | | | | 23.37 | 3798.22 |
| | 7-May-2015 | | | | 25.84 | 3795.75 |
| | 6-Feb-2015 | | | | 23.73 | 3797.86 |
| | 10-Nov-2014 | | | | 24.90 | 3796.69 |
| | 12-Aug-2014 | | | | 22.93 | 3798.66 |
| | 13-May-2014 | | | | 25.33 | 3796.26 |
| | 17-Feb-2014 | | | | 23.03 | 3798.56 |
| | 7-Nov-2013 | | | | 23.25 | 3798.34 |
| | 7-Aug-2013 | | | | 24.23 | 3797.36 |
| | 13-May-2013 | | | | 22.97 | 3798.62 |
| | 8-Feb-2013 | | | | 22.04 | 3799.55 |
| | 29-Oct-2012 | | | | 22.40 | 3799.19 |
| | 1-Aug-2012 | | | | 22.43 | 3799.16 |
| | 24-Apr-2012 | | | | 22.20 | 3799.39 |
| | 25-Jan-2012 | | | | 21.33 | 3800.26 |
| | 6-Dec-2011 | | | | 21.43 | 3800.16 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| DAD-19 Vertical Delineation | 4-Aug-2023 | 400164.47 | 1522027.92 | 3864.50 | 66.37 | 3798.13 |
| | 4-May-2023 | | | | 66.28 | 3798.22 |
| | 7-Feb-2023 | | | | 65.40 | 3799.10 |
| | 4-Nov-2022 | | | | 65.64 | 3798.86 |
| | 5-Aug-2022 | | | | 65.41 | 3799.09 |
| | 4-May-2022 | | | | 64.58 | 3799.92 |
| | 9-Feb-2022 | | | | 63.66 | 3800.84 |
| | 3-Nov-2021 | | | | 64.50 | 3800.00 |
| | 6-Aug-2021 | | | | 64.90 | 3799.60 |
| | 5-May-2021 | | | | 64.38 | 3800.12 |
| | 12-Feb-2021 | | | | 63.43 | 3801.07 |
| | 4-Nov-2020 | | | | 63.62 | 3800.88 |
| | 11-Aug-2020 | | | | 63.89 | 3800.61 |
| | 12-May-2020 | | | | 64.57 | 3799.93 |
| | 6-Feb-2020 | | | | 63.98 | 3800.52 |
| | 7-Nov-2019 | | | | 64.59 | 3799.91 |
| | 2-Aug-2019 | | | | 64.79 | 3799.71 |
| | 9-May-2019 | | | | 64.35 | 3800.15 |
| | 20-Feb-2019 | | | | 63.40 | 3801.10 |
| | 13-Nov-2018 | | | | 64.06 | 3800.44 |
| | 7-Aug-2018 | | | | 63.95 | 3800.55 |
| | 14-May-2018 | | | | 63.38 | 3801.12 |
| | 6-Feb-2018 | | | | 62.67 | 3801.83 |
| | 7-Nov-2017 | | | | 62.88 | 3801.62 |
| | 9-Aug-2017 | | | | 63.71 | 3800.79 |
| | 16-May-2017 | | | | 64.53 | 3799.97 |
| | 7-Feb-2017 | | | | 63.57 | 3800.93 |
| | 8-Nov-2016 | | | | 64.00 | 3800.50 |
| | 16-Aug-2016 | | | | 64.54 | 3799.96 |
| | 17-May-2016 | | | | 64.73 | 3799.77 |
| | 10-Feb-2016 | | | | 64.50 | 3800.00 |
| | 6-Nov-2015 | | | | 64.78 | 3799.72 |
| | 6-Aug-2015 | | | | 65.35 | 3799.15 |
| | 7-May-2015 | | | | 65.56 | 3798.94 |
| | 6-Feb-2015 | | | | 64.38 | 3800.12 |
| | 10-Nov-2014 | | | | 64.50 | 3800.00 |
| | 12-Aug-2014 | | | | 65.29 | 3799.21 |
| | 13-May-2014 | | | | 65.26 | 3799.24 |
| | 12-Feb-2014 | | | | 63.99 | 3800.51 |
| | 7-Nov-2013 | | | | 64.11 | 3800.39 |
| | 7-Aug-2013 | | | | 64.46 | 3800.04 |
| | 14-May-2013 | | | | 63.75 | 3800.75 |
| | 8-Feb-2013 | | | | 62.95 | 3801.55 |
| | 29-Oct-2012 | | | | 62.30 | 3802.20 |
| | 1-Aug-2012 | | | | 63.70 | 3800.80 |
| | 24-Apr-2012 | | | | 63.31 | 3801.19 |
| | 25-Jan-2012 | | | | 62.25 | 3802.25 |
| | 6-Dec-2011 | | | | 62.29 | 3802.21 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| DAD-20 | 7-Aug-2023 | 371751.45 | 1531188.19 | 3833.27 | 57.18 | 3776.09 |
| | 4-May-2023 | | | | 57.59 | 3775.68 |
| | 7-Feb-2023 | | | | 57.06 | 3776.21 |
| | 4-Nov-2022 | | | | 57.39 | 3775.88 |
| | 5-Aug-2022 | | | | 57.22 | 3776.05 |
| | 4-May-2022 | | | | 56.81 | 3776.46 |
| | 10-Feb-2022 | | | | 56.20 | 3777.07 |
| | 3-Nov-2021 | | | | 56.68 | 3776.59 |
| | 6-Aug-2021 | | | | 56.51 | 3776.76 |
| | 5-May-2021 | | | | 56.08 | 3777.19 |
| | 12-Feb-2021 | | | | 55.47 | 3777.80 |
| | 4-Nov-2020 | | | | 55.60 | 3777.67 |
| | 12-Aug-2020 | | | | 55.26 | 3778.01 |
| | 12-May-2020 | | | | 54.88 | 3778.39 |
| | 6-Feb-2020 | | | | 53.54 | 3779.73 |
| | 7-Nov-2019 | | | | 53.55 | 3779.72 |
| | 5-Aug-2019 | | | | 54.55 | 3778.72 |
| | 9-May-2019 | | | | 54.98 | 3778.29 |
| | 20-Feb-2019 | | | | 54.60 | 3778.67 |
| | 13-Nov-2018 | | | | 54.60 | 3778.67 |
| | 7-Aug-2018 | | | | 54.80 | 3778.47 |
| | 14-May-2018 | | | | 54.96 | 3778.31 |
| | 6-Feb-2018 | | | | 54.27 | 3779.00 |
| | 6-Nov-2017 | | | | 54.41 | 3778.86 |
| | 9-Aug-2017 | | | | 54.71 | 3778.56 |
| | 16-May-2017 | | | | 55.10 | 3778.17 |
| | 16-Feb-2017 | | | | 54.55 | 3778.72 |
| | 8-Nov-2016 | | | | 54.84 | 3778.43 |
| | 16-Aug-2016 | | | | 54.97 | 3778.30 |
| | 17-May-2016 | | | | 54.94 | 3778.33 |
| | 10-Feb-2016 | | | | 54.50 | 3778.77 |
| | 6-Nov-2015 | | | | 54.41 | 3778.86 |
| | 6-Aug-2015 | | | | 54.32 | 3778.95 |
| | 7-May-2015 | | | | 54.40 | 3778.87 |
| | 6-Feb-2015 | | | | 54.26 | 3779.01 |
| | 6-Nov-2014 | | | | 54.44 | 3778.83 |
| | 12-Aug-2014 | | | | 54.26 | 3779.01 |
| | 13-May-2014 | | | | 54.20 | 3779.07 |
| | 13-Feb-2014 | | | | 53.54 | 3779.73 |
| | 7-Nov-2013 | | | | 53.70 | 3779.57 |
| | 7-Aug-2013 | | | | 53.43 | 3779.84 |
| | 8-May-2013 | | | | 52.88 | 3780.39 |
| | 8-Feb-2013 | | | | 52.29 | 3780.98 |
| | 7-Nov-2012 | | | | 52.18 | 3781.09 |
| | 29-Oct-2012 | | | | Obstruction in Well | |
| | 2-Aug-2012 | | | | Obstruction in Well | |
| | 25-Apr-2012 | | | | Obstruction in Well | |
| | 25-Jan-2012 | | | | 50.65 | 3782.62 |
| | 6-Dec-2011 | | | | 50.66 | 3782.61 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| DAD-21 | 7-Aug-2023 | 374013.39 | 1530983.98 | 3839.62 | 58.70 | 3780.92 |
| | 4-May-2023 | | | | 58.40 | 3781.22 |
| | 7-Feb-2023 | | | | 58.02 | 3781.60 |
| | 4-Nov-2022 | | | | 57.21 | 3782.41 |
| | 5-Aug-2022 | | | | 56.51 | 3783.11 |
| | 4-May-2022 | | | | 55.70 | 3783.92 |
| | 10-Feb-2022 | | | | 54.81 | 3784.81 |
| | 3-Nov-2021 | | | | 55.25 | 3784.37 |
| | 6-Aug-2021 | | | | 56.12 | 3783.50 |
| | 5-May-2021 | | | | 55.97 | 3783.65 |
| | 12-Feb-2021 | | | | 55.90 | 3783.72 |
| | 4-Nov-2020 | | | | 56.12 | 3783.50 |
| | 12-Aug-2020 | | | | 56.25 | 3783.37 |
| | 12-May-2020 | | | | 56.33 | 3783.29 |
| | 6-Feb-2020 | | | | 57.02 | 3782.60 |
| | 8-Nov-2019 | | | | 56.12 | 3783.50 |
| | 2-Aug-2019 | | | | 57.76 | 3781.86 |
| | 9-May-2019 | | | | 57.58 | 3782.04 |
| | 20-Feb-2019 | | | | 58.62 | 3781.00 |
| | 13-Nov-2018 | | | | 58.85 | 3780.77 |
| | 7-Aug-2018 | | | | 58.79 | 3780.83 |
| | 17-May-2018 | | | | 58.82 | 3780.80 |
| | 6-Feb-2018 | | | | 58.65 | 3780.97 |
| | 6-Nov-2017 | | | | 58.61 | 3781.01 |
| | 9-Aug-2017 | | | | 59.28 | 3780.34 |
| | 16-May-2017 | | | | 59.13 | 3780.49 |
| | 7-Feb-2017 | | | | 59.02 | 3780.60 |
| | 8-Nov-2016 | | | | 58.95 | 3780.67 |
| | 16-Aug-2016 | | | | 58.79 | 3780.83 |
| | 17-May-2016 | | | | 58.54 | 3781.08 |
| | 10-Feb-2016 | | | | 58.48 | 3781.14 |
| | 6-Nov-2015 | | | | 58.13 | 3781.49 |
| | 6-Aug-2015 | | | | 57.83 | 3781.79 |
| | 7-May-2015 | | | | 57.56 | 3782.06 |
| | 6-Feb-2015 | | | | 57.16 | 3782.46 |
| | 6-Nov-2014 | | | | 56.97 | 3782.65 |
| | 12-Aug-2014 | | | | 56.82 | 3782.80 |
| | 13-May-2014 | | | | 56.42 | 3783.20 |
| | 17-Feb-2014 | | | | 55.97 | 3783.65 |
| | 7-Nov-2013 | | | | 55.89 | 3783.73 |
| | 7-Aug-2013 | | | | 55.81 | 3783.81 |
| | 7-May-2013 | | | | 55.43 | 3784.19 |
| | 8-Feb-2013 | | | | 55.10 | 3784.52 |
| | 29-Oct-2012 | | | | 54.60 | 3785.02 |
| | 2-Aug-2012 | | | | 54.31 | 3785.31 |
| | 24-Apr-2012 | | | | 53.61 | 3786.01 |
| | 30-Jan-2012 | | | | 53.44 | 3786.18 |
| | 6-Dec-2011 | | | | 53.24 | 3786.38 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| DAD-22 | 7-Aug-2023 | 373029.62 | 1530352.69 | 3827.14 | 46.90 | 3780.24 |
| | 4-May-2023 | | | | 47.00 | 3780.14 |
| | 7-Feb-2023 | | | | 47.05 | 3780.09 |
| | 4-Nov-2022 | | | | 47.31 | 3779.83 |
| | 5-Aug-2022 | | | | 47.15 | 3779.99 |
| | 4-May-2022 | | | | 46.70 | 3780.44 |
| | 10-Feb-2022 | | | | 46.22 | 3780.92 |
| | 3-Nov-2021 | | | | 46.53 | 3780.61 |
| | 6-Aug-2021 | | | | 46.76 | 3780.38 |
| | 5-May-2021 | | | | 46.46 | 3780.68 |
| | 12-Feb-2021 | | | | 46.79 | 3780.35 |
| | 4-Nov-2020 | | | | 47.33 | 3779.81 |
| | 12-Aug-2020 | | | | 46.72 | 3780.42 |
| | 12-May-2020 | | | | 46.62 | 3780.52 |
| | 6-Feb-2020 | | | | 46.29 | 3780.85 |
| | 8-Nov-2019 | | | | 46.03 | 3781.11 |
| | 2-Aug-2019 | | | | 47.00 | 3780.14 |
| | 9-May-2019 | | | | 47.33 | 3779.81 |
| | 20-Feb-2019 | | | | 47.31 | 3779.83 |
| | 13-Nov-2018 | | | | 47.30 | 3779.84 |
| | 7-Aug-2018 | | | | 47.81 | 3779.33 |
| | 17-May-2018 | | | | 47.77 | 3779.37 |
| | 6-Feb-2018 | | | | 47.80 | 3779.34 |
| | 7-Nov-2017 | | | | 48.11 | 3779.03 |
| | 9-Aug-2017 | | | | 48.62 | 3778.52 |
| | 16-May-2017 | | | | 48.57 | 3778.57 |
| | 7-Feb-2017 | | | | 48.20 | 3778.94 |
| | 8-Nov-2016 | | | | 48.30 | 3778.84 |
| | 16-Aug-2016 | | | | 48.17 | 3778.97 |
| | 17-May-2016 | | | | 47.91 | 3779.23 |
| | 10-Feb-2016 | | | | 47.57 | 3779.57 |
| | 6-Nov-2015 | | | | 47.64 | 3779.50 |
| | 6-Aug-2015 | | | | 47.65 | 3779.49 |
| | 7-May-2015 | | | | 47.54 | 3779.60 |
| | 6-Feb-2015 | | | | 47.30 | 3779.84 |
| | 6-Nov-2014 | | | | 47.14 | 3780.00 |
| | 12-Aug-2014 | | | | 46.98 | 3780.16 |
| | 13-May-2014 | | | | 46.56 | 3780.58 |
| | 17-Feb-2014 | | | | 46.18 | 3780.96 |
| | 7-Nov-2013 | | | | 45.73 | 3781.41 |
| | 7-Aug-2013 | | | | 45.77 | 3781.37 |
| | 14-May-2013 | | | | 44.09 | 3783.05 |
| | 8-Feb-2013 | | | | 44.08 | 3783.06 |
| | 29-Oct-2012 | | | | 44.51 | 3782.63 |
| | 2-Aug-2012 | | | | 44.23 | 3782.91 |
| | 25-Apr-2012 | | | | 43.86 | 3783.28 |
| | 25-Jan-2012 | | | | 43.22 | 3783.92 |
| | 13-Dec-2011 | | | | 43.27 | 3783.87 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| DAD-23 | 3-Aug-2023 | 413958.29 | 1515697.17 | 3855.46 | 46.80 | 3808.66 |
| | 3-May-2023 | | | | 46.46 | 3809.00 |
| | 3-Feb-2023 | | | | 45.88 | 3809.58 |
| | 3-Nov-2022 | | | | 46.00 | 3809.46 |
| | 4-Aug-2022 | | | | 45.62 | 3809.84 |
| | 3-May-2022 | | | | 45.30 | 3810.16 |
| | 8-Feb-2022 | | | | 44.80 | 3810.66 |
| | 2-Nov-2021 | | | | 45.08 | 3810.38 |
| | 5-Aug-2021 | | | | 44.81 | 3810.65 |
| | 4-May-2021 | | | | 44.70 | 3810.76 |
| | 11-Feb-2021 | | | | 43.75 | 3811.71 |
| | 3-Nov-2020 | | | | 44.15 | 3811.31 |
| | 11-Aug-2020 | | | | 44.61 | 3810.85 |
| | 12-May-2020 | | | | 44.45 | 3811.01 |
| | 5-Feb-2020 | | | | 43.86 | 3811.60 |
| | 8-Nov-2019 | | | | 43.33 | 3812.13 |
| | 1-Aug-2019 | | | | 44.85 | 3810.61 |
| | 8-May-2019 | | | | 44.23 | 3811.23 |
| | 19-Feb-2019 | | | | 43.75 | 3811.71 |
| | 12-Nov-2018 | | | | 43.94 | 3811.52 |
| | 6-Aug-2018 | | | | 44.18 | 3811.28 |
| | 17-May-2018 | | | | 44.00 | 3811.46 |
| | 6-Feb-2018 | | | | 43.24 | 3812.22 |
| | 6-Nov-2017 | | | | 43.72 | 3811.74 |
| | 9-Aug-2017 | | | | 44.55 | 3810.91 |
| | 16-May-2017 | | | | 44.84 | 3810.62 |
| | 7-Feb-2017 | | | | 44.32 | 3811.14 |
| | 8-Nov-2016 | | | | 44.85 | 3810.61 |
| | 17-Aug-2016 | | | | 45.38 | 3810.08 |
| | 17-May-2016 | | | | 45.52 | 3809.94 |
| | 11-Feb-2016 | | | | 45.37 | 3810.09 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| DAD-24 Vertical Delineation | 4-Aug-2023 | 400183.23 | 1522052.57 | 3864.91 | 68.66 | 3796.25 |
| | 4-May-2023 | | | | 67.71 | 3797.20 |
| | 7-Feb-2023 | | | | 66.80 | 3798.11 |
| | 4-Nov-2022 | | | | 67.50 | 3797.41 |
| | 5-Aug-2022 | | | | 68.68 | 3796.23 |
| | 4-May-2022 | | | | 67.77 | 3797.14 |
| | 9-Feb-2022 | | | | 66.86 | 3798.05 |
| | 3-Nov-2021 | | | | 67.68 | 3797.23 |
| | 6-Aug-2021 | | | | 68.00 | 3796.91 |
| | 5-May-2021 | | | | 67.20 | 3797.71 |
| | 12-Feb-2021 | | | | 66.60 | 3798.31 |
| | 4-Nov-2020 | | | | 66.92 | 3797.99 |
| | 11-Aug-2020 | | | | 67.28 | 3797.63 |
| | 12-May-2020 | | | | 67.66 | 3797.25 |
| | 6-Feb-2020 | | | | 67.10 | 3797.81 |
| | 7-Nov-2019 | | | | 68.27 | 3796.64 |
| | 2-Aug-2019 | | | | 67.44 | 3797.47 |
| | 9-May-2019 | | | | 67.45 | 3797.46 |
| | 20-Feb-2019 | | | | 64.52 | 3800.39 |
| | 13-Nov-2018 | | | | 64.92 | 3799.99 |
| | 7-Aug-2018 | | | | 66.86 | 3798.05 |
| | 14-May-2018 | | | | 66.88 | 3798.03 |
| | 6-Feb-2018 | | | | 64.40 | 3800.51 |
| | 7-Nov-2017 | | | | 64.70 | 3800.21 |
| | 9-Aug-2017 | | | | 64.75 | 3800.16 |
| | 16-May-2017 | | | | 66.80 | 3798.11 |
| | 7-Feb-2017 | | | | 66.04 | 3798.87 |
| | 8-Nov-2016 | | | | 65.95 | 3798.96 |
| | 16-Aug-2016 | | | | 65.60 | 3799.31 |
| | 17-May-2016 | | | | 67.91 | 3797.00 |
| | 11-Feb-2016 | | | | 67.85 | 3797.06 |
| DAD-25 | 4-Aug-2023 | 394560.83 | 1524599.12 | 3870.63 | 67.70 | 3802.93 |
| | 4-May-2023 | | | | 67.52 | 3803.11 |
| | 7-Feb-2023 | | | | 67.32 | 3803.31 |
| | 4-Nov-2022 | | | | 67.09 | 3803.54 |
| | 5-Aug-2022 | | | | 66.97 | 3803.66 |
| | 4-May-2022 | | | | 66.73 | 3803.90 |
| | 9-Feb-2022 | | | | 67.55 | 3803.08 |
| | 3-Nov-2021 | | | | 68.01 | 3802.62 |
| | 6-Aug-2021 | | | | 68.70 | 3801.93 |
| | 5-May-2021 | | | | 69.09 | 3801.54 |
| | 12-Feb-2021 | | | | 68.38 | 3802.25 |
| | 4-Nov-2020 | | | | 68.29 | 3802.34 |
| | 12-Aug-2020 | | | | 67.66 | 3802.97 |
| | 12-May-2020 | | | | 68.17 | 3802.46 |
| | 6-Feb-2020 | | | | 67.03 | 3803.60 |
| | 8-Nov-2019 | | | | 66.11 | 3804.52 |
| | 2-Aug-2019 | | | | 67.81 | 3802.82 |
| | 9-May-2019 | | | | 67.73 | 3802.90 |
| | 20-Feb-2019 | | | | 67.65 | 3802.98 |
| | 13-Nov-2018 | | | | 67.49 | 3803.14 |
| | 7-Aug-2018 | | | | 67.20 | 3803.43 |
| | 14-May-2018 | | | | 66.90 | 3803.73 |
| | 6-Feb-2018 | | | | 66.49 | 3804.14 |
| | 7-Nov-2017 | | | | 64.82 | 3805.81 |
| | 9-Aug-2017 | | | | 65.00 | 3805.63 |
| | 16-May-2017 | | | | 66.21 | 3804.42 |
| | 7-Feb-2017 | | | | 65.72 | 3804.91 |
| | 8-Nov-2016 | | | | 65.31 | 3805.32 |
| | 16-Aug-2016 | | | | 64.84 | 3805.79 |
| | 17-May-2016 | | | | 64.55 | 3806.08 |
| | 11-Feb-2016 | | | | 64.11 | 3806.52 |

**TABLE 1. SUMMARY OF MONITORING WELL FLUID GAUGING DATA**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | Northing[a] | Easting[a] | Casing Elevation[b] | Depth to Water[c] | Ground Water Elevation[b] |
|---|---|---|---|---|---|---|
| DAD-26 | 7-Aug-2023 | 372513.58 | 1530789.76 | 3829.31 | 49.45 | 3779.86 |
| | 4-May-2023 | | | | 49.84 | 3779.47 |
| | 7-Feb-2023 | | | | 49.73 | 3779.58 |
| | 4-Nov-2022 | | | | 50.29 | 3779.02 |
| | 5-Aug-2022 | | | | 50.20 | 3779.11 |
| | 4-May-2022 | | | | 49.79 | 3779.52 |
| | 10-Feb-2022 | | | | 49.30 | 3780.01 |
| | 3-Nov-2021 | | | | 49.75 | 3779.56 |
| | 6-Aug-2021 | | | | 49.51 | 3779.80 |
| | 5-May-2021 | | | | 49.35 | 3779.96 |
| | 12-Feb-2021 | | | | 49.25 | 3780.06 |
| | 4-Nov-2020 | | | | 49.50 | 3779.81 |
| | 12-Aug-2020 | | | | 49.40 | 3779.91 |
| | 12-May-2020 | | | | 49.00 | 3780.31 |
| | 6-Feb-2020 | | | | 48.00 | 3781.31 |
| | 8-Nov-2019 | | | | 47.83 | 3781.48 |
| | 2-Aug-2019 | | | | 48.45 | 3780.86 |
| | 9-May-2019 | | | | 49.18 | 3780.13 |
| | 20-Feb-2019 | | | | 50.12 | 3779.19 |
| | 13-Nov-2018 | | | | 50.66 | 3778.65 |
| | 7-Aug-2018 | | | | 50.75 | 3778.56 |
| | 17-May-2018 | | | | 50.69 | 3778.62 |
| | 6-Feb-2018 | | | | 50.35 | 3778.96 |
| | 6-Nov-2017 | | | | 50.66 | 3778.65 |
| | 9-Aug-2017 | | | | 51.10 | 3778.21 |
| | 16-May-2017 | | | | 51.11 | 3778.20 |
| | 7-Feb-2017 | | | | 50.70 | 3778.61 |
| | 8-Nov-2016 | | | | 51.07 | 3778.24 |
| | 17-Aug-2016 | | | | 50.97 | 3778.34 |
| | 17-May-2016 | | | | 50.55 | 3778.76 |
| | 11-Feb-2016 | | | | 50.30 | 3779.01 |
| DAD-27 | 7-Aug-2023 | 371781.16 | 1528921.96 | 3804.23 | 26.98 | 3777.25 |
| | 4-May-2023 | | | | 27.70 | 3776.53 |
| | 8-Feb-2023 | | | | 27.10 | 3777.13 |

**Notes:**

[a] Horizontal control to NM State Plane Coordinates Central NAD83 Grid Coordinates (in feet)

[b] Vertical Control to NAVD88 Datum in feet above mean sea level

[c] Measured in feet below the top of casing at survey point on north side of well

[d] Measured in feet

Gauging data from current quarter.

Wells were gauged on a different date by Magee and Associates Inc.

Wells were gauged on a different date by EnviroCompliance Inc.

Groundwater elevation is anomalous.

Measured data were suspect and corrected to reflect appropriate trends in accordance with surrounding wells

**TABLE 2. SUMMARY OF MONITORING WELL GROUNDWATER FIELD PARAMETERS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | pH | SpC (uS/cm) | Temp (°C) | DO (mg/L) | ORP (mV) |
|---|---|---|---|---|---|---|
| **NORTHERN AREA** | | | | | | |
| **Northern Land Application Area** | | | | | | |
| 70-03 | 9-Aug-2023 | 7.18 | 6,984 | 22.7 | 2.05 | 145 |
| | 8-May-2023 | 7.20 | 7,133 | 20.7 | 1.08 | 156 |
| | 9-Feb-2023 | 7.23 | 6,941 | 20.0 | 2.88 | 176 |
| | 8-Nov-2022 | 7.26 | 7,208 | 21.7 | 2.08 | 163 |
| | 9-Aug-2022 | 7.30 | 7,265 | 22.4 | 2.69 | 168 |
| | 9-May-2022 | 7.19 | 6,729 | 22.1 | 2.35 | 149 |
| | 15-Feb-2022 | 7.20 | 6,560 | 20.6 | 2.91 | 159 |
| | 5-Nov-2021 | 7.24 | 6,943 | 21.3 | 2.70 | 269 |
| | 10-Aug-2021 | 7.61 | 7,280 | 21.9 | 2.38 | 54 |
| | 10-May-2021 | 7.18 | 7,423 | 21.4 | 2.09 | 191 |
| | 16-Feb-2021 | 7.36 | 7,008 | 19.5 | 1.81 | 126 |
| | 11-Nov-2020 | 7.38 | 7,493 | 20.8 | 2.38 | 100 |
| | 14-Aug-2020 | 7.43 | 8,430 | 22.6 | 2.20 | 145 |
| | 13-May-2020 | 7.42 | 9,512 | 22.6 | 2.33 | 104 |
| | 7-Feb-2020 | 7.66 | 8,733 | 20.4 | 8.37 | 64 |
| | 15-Nov-2019 | 6.52 | 9,236 | 20.7 | 2.08 | 131 |
| | 6-Aug-2019 | 6.86 | 10,460 | 21.7 | NM | 162 |
| | 16-May-2019 | 7.25 | 10,470 | 21.9 | 4.22 | 35 |
| | 26-Feb-2019 | 6.57 | 6,164 | 20.7 | 1.29 | 176 |
| | 15-Nov-2018 | 6.68 | 11,020 | 19.8 | 1.74 | 180 |
| | 15-Aug-2018 | 7.08 | 11,530 | 22.6 | 1.34 | 140 |
| | 21-May-2018 | 6.58 | 11,570 | 21.30 | NM | 110 |
| | 13-Feb-2018 | 7.11 | 11,890 | 20.30 | 2.12 | 147 |
| | 9-Nov-2017 | 6.71 | 11,700 | 18.90 | 3.07 | 135 |
| | 14-Aug-2017 | 7.09 | 12,340 | 21.70 | 4.50 | 37 |
| | 19-May-2017 | 6.91 | 11,880 | 20.76 | 2.61 | 226.7 |
| | 20-Feb-2017 | 7.54 | 10,832 | 20.68 | 3.78 | 181.6 |
| | 22-Nov-2016 | 7.12 | 11,539 | 20.12 | 3.93 | 95.5 |
| | 18-Aug-2016 | 6.92 | 11,818 | 21.34 | 2.26 | 29.4 |
| | 24-May-2016 | 6.95 | 10,486 | 20.41 | 2.90 | 46.2 |
| | 16-Feb-2016 | 6.50 | 9,366 | 19.76 | 3.00 | 253.4 |
| | 12-Nov-2015 | 7.16 | 9,359 | 20.21 | 1.32 | 206.1 |
| | 19-Aug-2015 | 6.96 | 11,433 | 25.28 | NM | 209.7 |

**TABLE 2. SUMMARY OF MONITORING WELL GROUNDWATER FIELD PARAMETERS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | pH | SpC (uS/cm) | Temp (°C) | DO (mg/L) | ORP (mV) |
|---|---|---|---|---|---|---|
| 70/86/340-01 | 8-Aug-2023 | 7.19 | 1,777 | 22.0 | 1.31 | 69 |
| | 5-May-2023 | 7.27 | 9,163 | 20.6 | 2.73 | 141 |
| | 8-Feb-2023 | 7.20 | 9,515 | 19.1 | 1.15 | 166 |
| | 7-Nov-2022 | 7.24 | 9,436 | 20.50 | 1.77 | 129 |
| | 8-Aug-2022 | 7.18 | 8,843 | 21.8 | 2.75 | 174 |
| | 5-May-2022 | 7.19 | 8,781 | 20.4 | 2.90 | 156 |
| | 14-Feb-2022 | 7.17 | 7,999 | 19.0 | 2.80 | 152 |
| | 4-Nov-2021 | 7.20 | 5,509 | 19.7 | 2.93 | 286 |
| | 9-Aug-2021 | 7.75 | 4,712 | 21.4 | 2.91 | 89 |
| | 6-May-2021 | 7.47 | 5,732 | 21.6 | 2.48 | 183 |
| | 15-Feb-2021 | 7.63 | 7,190 | 18.9 | 2.90 | 76 |
| | 11-Nov-2020 | 7.26 | 6,479 | 19.6 | 1.39 | 134 |
| | 13-Aug-2020 | 7.40 | 6,967 | 22.0 | 2.03 | 158 |
| | 18-May-2020 | 7.48 | 6,891 | 21.9 | 2.42 | 153 |
| | 7-Feb-2020 | 7.63 | 6,896 | 20.3 | 13.97 | 58 |
| | 15-Nov-2019 | 6.54 | 6,880 | 20.3 | 0.78 | 192 |
| | 7-Aug-2019 | 6.95 | 7,219 | 20.9 | NM | 145 |
| | 16-May-2019 | 7.73 | 7,135 | 21.4 | 2.81 | 72 |
| | 25-Feb-2019 | 7.17 | 5,654 | 20.3 | 2.07 | 143 |
| | 16-Nov-2018 | 6.97 | 6,977 | 19.7 | 2.94 | 165 |
| | 14-Aug-2018 | 7.16 | 7,121 | 22.2 | 3.17 | 125 |
| | 21-May-2018 | 6.66 | 7,060 | 21.40 | 3.51 | 109 |
| | 12-Feb-2018 | 7.21 | 7,190 | 18.80 | 4.19 | 129 |
| | 9-Nov-2017 | 6.93 | 6,928 | 18.50 | 3.12 | 121 |
| | 11-Aug-2017 | 7.25 | 7,974 | 25.00 | 3.57 | 143 |
| | 18-May-2017 | 6.94 | 7,521 | 20.20 | 2.12 | 183.5 |
| | 16-Feb-2017 | 7.27 | 6,420 | 20.36 | 6.36 | 226.7 |
| | 10-Nov-2016 | 7.17 | 7,573 | 20.99 | 3.88 | 133.6 |
| | 23-Aug-2016 | 6.90 | 7,584 | 20.69 | 1.24 | 34.1 |
| | 19-May-2016 | 7.09 | 6,422 | 20.36 | 2.88 | 78.0 |
| | 15-Feb-2016 | 6.07 | 6,451 | 18.64 | 3.83 | 223.4 |
| | 10-Nov-2015 | 7.21 | 6,827 | 18.52 | 1.91 | 174.5 |
| | 20-Aug-2015 | 6.90 | 6,824 | 21.36 | NM | 277.1 |
| 86/340-01 | 8-Aug-2023 | 7.29 | 3,288 | 21.2 | 2.61 | 91 |
| | 5-May-2023 | 7.28 | 3,221 | 20.1 | 2.46 | 125 |
| | 8-Feb-2023 | 7.24 | 3,260 | 18.9 | 2.46 | 162 |
| | 7-Nov-2022 | 7.27 | 3,174 | 20.70 | 2.39 | 142.0 |
| | 8-Aug-2022 | 7.19 | 3,135 | 20.9 | 2.36 | 168 |
| | 5-May-2022 | 7.17 | 3,065 | 19.7 | 2.31 | 139 |
| | 14-Feb-2022 | 7.55 | 3,157 | 18.8 | 2.37 | 142 |
| | 4-Nov-2021 | 7.24 | 3,214 | 19.1 | 2.55 | 264 |
| | 9-Aug-2021 | 7.70 | 3,112 | 21.9 | 2.31 | 170 |
| | 6-May-2021 | 7.21 | 3,065 | 21.9 | 2.29 | 155 |
| | 15-Feb-2021 | 7.19 | 2,982 | 17.4 | 2.31 | 95 |
| | 11-Nov-2020 | 7.13 | 2,958 | 19.3 | 2.38 | 217 |
| | 13-Aug-2020 | 7.60 | 2,955 | 21.6 | 1.95 | 166 |
| | 18-May-2020 | 7.46 | 2,987 | 21.4 | 2.27 | 265 |
| | 7-Feb-2020 | 7.75 | 2,732 | 18.6 | 7.27 | 42 |
| | 15-Nov-2019 | 6.87 | 2,788 | 18.9 | 1.54 | 318 |
| | 7-Aug-2019 | 7.41 | 3,016 | 20.7 | NM | 197 |
| | 16-May-2019 | 7.68 | 2,775 | 20.5 | 3.09 | 97 |
| | 25-Feb-2019 | 6.68 | 2,769 | 18.8 | 2.63 | 153 |
| | 16-Nov-2018 | 7.13 | 2,828 | 18.9 | 2.35 | 161 |
| | 14-Aug-2018 | 7.01 | 2,692 | 22.2 | 2.74 | 162 |
| | 21-May-2018 | 7.16 | 2,782 | 20.10 | 2.29 | 79 |
| | 12-Feb-2018 | 7.54 | 2,829 | 19.30 | 2.54 | 128 |
| | 9-Nov-2017 | 7.64 | 2,929 | 18.20 | 2.23 | 86 |
| | 11-Aug-2017 | 7.59 | 3,064 | 21.60 | 4.01 | 173 |
| | 18-May-2017 | 7.36 | 3,341 | 20.17 | 4.31 | 235.5 |
| | 16-Feb-2017 | 7.50 | 3,143 | 20.23 | 11.17 | 344.6 |
| | 10-Nov-2016 | 7.39 | 3,080 | 19.78 | 1.81 | 158.2 |
| | 22-Aug-2016 | 7.31 | 3,150 | 20.35 | 1.84 | 29.6 |
| | 19-May-2016 | 7.41 | 2,925 | 20.15 | 1.97 | 71.4 |
| | 15-Feb-2016 | 5.16 | 2,992 | 19.24 | 1.84 | 237.2 |
| | 10-Nov-2015 | 7.55 | 2,951 | 17.52 | 1.74 | 153.4 |
| | 20-Aug-2015 | 7.29 | 2,970 | 20.60 | NM | 267.0 |

**TABLE 2. SUMMARY OF MONITORING WELL GROUNDWATER FIELD PARAMETERS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | pH | SpC (uS/cm) | Temp (°C) | DO (mg/L) | ORP (mV) |
|---|---|---|---|---|---|---|
| **Organ Dairy (Formerly known as Del Norte Dairy and Daybreak Dairy)** | | | | | | |
| 126-04 | 27-Aug-2023 | Insufficient Water-Parameters Not Collected | | | | |
| | 24-May-2023 | | | | | |
| | 11-Jan-2023 | | | | | |
| | 8-Nov-2022 | | | | | |
| | 17-Aug-2022 | | | | | |
| | 5-May-2022 | 7.16 | 5,230 | 22.6 | 3.4 | 190 |
| | 24-Feb-2022 | 7.35 | 4,680 | 18.9 | 2.7 | 207 |
| | 9-Nov-2021 | 7.32 | 4,700 | 18.9 | 2.6 | 185 |
| | 11-Aug-2021 | 7.22 | 2,930 | 23.9 | 3.5 | 252 |
| | 4-May-2021 | 7.25 | 4,240 | 20.1 | 3.4 | 304 |
| | 9-Feb-2021 | 7.30 | 4,180 | 20.4 | 3.7 | 222 |
| | 10-Nov-2020 | 7.13 | 4,580 | 20.3 | NM | NM |
| | 12-Aug-2020 | 6.99 | 4,530 | 21.4 | NM | NM |
| | 13-May-2020 | 7.60 | 3,968 | 23.5 | 1.99 | 121 |
| | 10-Feb-2020 | 7.26 | 3,860 | 20.2 | 10.17 | 75 |
| | 12-Nov-2019 | 6.89 | 3,731 | 20.5 | 3.04 | 138 |
| | 5-Aug-2019 | 7.09 | 3,799 | 22.7 | NM | 195 |
| | 14-May-2019 | 6.84 | 3,648 | 21.8 | 1.39 | 144 |
| | 22-Feb-2019 | 7.19 | 3,631 | 21.6 | 1.79 | 154 |
| | 14-Nov-2018 | 6.80 | 3,841 | 20.6 | 2.61 | 136 |
| | 15-Aug-2018 | 7.44 | 3,602 | 22.1 | 2.35 | 78 |
| | 18-May-2018 | 6.91 | 3,685 | 21.10 | 2.88 | 68 |
| | 9-Feb-2018 | 7.56 | 3,808 | 21.60 | 3.11 | 136 |
| | 8-Nov-2017 | 7.29 | 3,959 | 21.30 | 3.54 | 214 |
| | 10-Aug-2017 | 7.20 | 3,730 | 24.20 | 5.93 | 179 |
| | 17-May-2017 | 7.08 | 3,613 | 21.33 | 3.82 | 147.9 |
| | 17-Feb-2017 | 7.18 | 3,864 | 20.85 | 4.48 | 203.1 |
| | 9-Nov-2016 | 7.46 | 3,697 | 21.17 | 5.25 | 60.9 |
| | 17-Aug-2016 | 7.42 | 3,893 | 24.18 | 5.51 | 25.0 |
| | 18-May-2016 | 7.04 | 3,371 | 21.24 | 3.27 | 76.2 |
| | 15-Feb-2016 | 5.37 | 3,470 | 21.39 | 3.54 | 201.4 |
| | 9-Nov-2015 | 7.11 | 3,558 | 21.29 | 2.40 | 38.5 |
| | 17-Aug-2015 | 6.84 | 3,626 | 22.52 | NM | 277.8 |

**TABLE 2. SUMMARY OF MONITORING WELL GROUNDWATER FIELD PARAMETERS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | pH | SpC (uS/cm) | Temp (°C) | DO (mg/L) | ORP (mV) |
|---|---|---|---|---|---|---|
| 126-05 | 27-Aug-2023 | Insufficient Water-Parameters Not Collected | | | | |
| | 24-May-2023 | | | | | |
| | 11-Jan-2023 | | | | | |
| | 8-Nov-2022 | | | | | |
| | 17-Aug-2022 | | | | | |
| | 5-May-2022 | | | | | |
| | 24-Feb-2022 | 7.60 | 5,020 | 17.6 | 3.4 | 130 |
| | 9-Nov-2021 | 7.65 | 4,990 | 21.3 | 3.0 | 220 |
| | 11-Aug-2021 | Insufficient Water-Parameters Not Collected | | | | |
| | 4-May-2021 | 7.49 | 5,060 | 21.3 | 3.5 | 262 |
| | 9-Feb-2021 | 7.44 | 5,320 | 20.3 | 3.2 | 260 |
| | 10-Nov-2020 | 7.41 | 5,880 | 20.0 | NM | NM |
| | 12-Aug-2020 | Insufficient Water-Parameters Not Collected | | | | |
| | 13-May-2020 | 7.67 | 5,430 | 23.7 | 2.19 | 99 |
| | 10-Feb-2020 | 7.40 | 5,362 | 20.3 | 4.99 | 83 |
| | 12-Nov-2019 | 6.84 | 5,678 | 19.2 | 2.88 | 119 |
| | 5-Aug-2019 | 7.12 | 5,341 | 23.2 | NM | 185 |
| | 14-May-2019 | 7.66 | 5,250 | 21.2 | 1.70 | 79 |
| | 22-Feb-2019 | 7.41 | 5,677 | 20.5 | 1.51 | 150 |
| | 14-Nov-2018 | 7.05 | 5,925 | 19.9 | 1.29 | 140 |
| | 15-Aug-2018 | 7.78 | 5,495 | 22.3 | 1.44 | 108 |
| | 18-May-2018 | 7.04 | 5,785 | 21.20 | 1.17 | 107 |
| | 9-Feb-2018 | 7.38 | 5,767 | 21.70 | 1.12 | 60.0 |
| | 8-Nov-2017 | 7.69 | 5,571 | 21.00 | 1.27 | 154.0 |
| | 10-Aug-2017 | 7.36 | 5,397 | 25.50 | 3.91 | 156.0 |
| | 17-May-2017 | 7.43 | 5,384 | 22.69 | 3.03 | 162.5 |
| | 17-Feb-2017 | 7.42 | 5,274 | 19.48 | 5.78 | 218.3 |
| | 9-Nov-2016 | 7.66 | 4,974 | 21.23 | 2.52 | 40.0 |
| | 17-Aug-2016 | 7.56 | 4,761 | 23.55 | 2.86 | -78.3 |
| | 18-May-2016 | 7.23 | 4,409 | 20.60 | 3.35 | 73.7 |
| | 15-Feb-2016 | 6.41 | 4,654 | 21.64 | 4.57 | 165.0 |
| | 9-Nov-2015 | 7.39 | 4,174 | 19.96 | 2.15 | 186.6 |
| | 17-Aug-2015 | Insufficient Water-Parameters Not Collected | | | | |
| 126-07 | 27-Aug-2023 | Insufficient Water-Parameters Not Collected | | | | |
| | 24-May-2023 | | | | | |
| | 11-Jan-2023 | | | | | |
| | 8-Nov-2022 | | | | | |
| | 17-Aug-2022 | | | | | |
| | 5-May-2022 | 7.02 | 5,820 | 23.0 | 3.1 | 230 |
| | 24-Feb-2022 | 7.29 | 5,200 | 17.5 | 3.1 | 158 |
| | 9-Nov-2021 | 7.22 | 5,080 | 23.5 | 2.3 | 229 |
| | 11-Aug-2021 | 7.33 | 4,780 | 21.7 | 3.1 | 233 |
| | 4-May-2021 | 7.02 | 4,840 | 20.6 | 3.0 | 296 |
| | 9-Feb-2021 | 6.95 | 4,830 | 21.1 | 3.3 | 287 |
| | 10-Nov-2020 | 7.00 | 4,920 | 20.4 | NM | NM |
| | 12-Aug-2020 | 6.77 | 5,000 | 23.1 | NM | NM |
| | 13-May-2020 | 7.39 | 4,896 | 23.5 | 1.96 | 133 |
| | 7-Feb-2020 | 6.67 | 4,455 | 21.2 | 7.68 | 91 |
| | 12-Nov-2019 | 6.35 | 4,522 | 20.0 | 4.83 | 132 |
| | 5-Aug-2019 | 6.80 | 4,715 | 23.5 | NM | 205 |
| | 14-May-2019 | 7.16 | 4,588 | 22.8 | 1.28 | 86 |
| | 22-Feb-2019 | 7.00 | 4,271 | 21.1 | 1.54 | 161 |
| | 14-Nov-2018 | 6.66 | 4,422 | 21.0 | 2.24 | 140 |
| | 15-Aug-2018 | 7.01 | 4,333 | 21.2 | 1.94 | 136 |
| | 18-May-2018 | 7.68 | 4,250 | 21.90 | 2.19 | 121 |
| | 9-Feb-2018 | 6.80 | 4,114 | 22.50 | 2.37 | 177 |
| | 8-Nov-2017 | 6.78 | 4,094 | 21.70 | 2.21 | 194 |
| | 10-Aug-2017 | 6.93 | 4,018 | 24.40 | 3.92 | 173 |
| | 17-May-2017 | 6.85 | 3,862 | 22.43 | 2.35 | 167.8 |
| | 17-Feb-2017 | 6.96 | 3,918 | 22.40 | 1.49 | 157.1 |
| | 9-Nov-2016 | 7.23 | 3,603 | 21.93 | 3.89 | 57.7 |
| | 17-Aug-2016 | 7.03 | 3,798 | 23.70 | 2.42 | 41.1 |
| | 18-May-2016 | 6.71 | 3,439 | 22.08 | 1.75 | 94.3 |
| | 15-Feb-2016 | 4.87 | 3,440 | 21.28 | 1.41 | 208.1 |
| | 9-Nov-2015 | 6.84 | 3,338 | 21.02 | 1.84 | 185.7 |
| | 17-Aug-2015 | 6.80 | 3,658 | 24.41 | NM | 234.8 |

**TABLE 2. SUMMARY OF MONITORING WELL GROUNDWATER FIELD PARAMETERS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | pH | SpC (uS/cm) | Temp (°C) | DO (mg/L) | ORP (mV) |
|---|---|---|---|---|---|---|
| 126-09 | 27-Aug-2023 | Insufficient Water-Parameters Not Collected | | | | |
| | 24-May-2023 | | | | | |
| | 11-Jan-2023 | | | | | |
| | 8-Nov-2022 | | | | | |
| | 17-Aug-2022 | | | | | |
| | 5-May-2022 | | | | | |
| | 24-Feb-2022 | 7.76 | 1,618 | 15.6 | 6.2 | 189 |
| | 9-Nov-2021 | Insufficient Water-Parameters Not Collected | | | | |
| | 11-Aug-2021 | | | | | |
| | 4-May-2021 | | | | | |
| | 9-Feb-2021 | | | | | |
| | 9-Sep-2020 | | | | | |
| | 10-Nov-2020 | | | | | |
| | 12-Aug-2020 | | | | | |
| | 14-May-2020 | 7.88 | 2,288 | 22.9 | 1.59 | 108 |
| | 7-Feb-2020 | 7.56 | 1,219 | 22.3 | 7.46 | 16 |
| | 12-Nov-2019 | 7.53 | 1,238 | 19.3 | 5.21 | 28 |
| | 5-Aug-2019 | 6.91 | 1,397 | NM | NM | 255 |
| | 14-May-2019 | 7.83 | 1,293 | 23.2 | 1.99 | 66 |
| | 22-Feb-2019 | 6.73 | 1,429 | 20.6 | 2.29 | 170 |
| | 14-Nov-2018 | 6.75 | 1,259 | 21.0 | 2.16 | 122 |
| | 15-Aug-2018 | 7.73 | 1,054 | 24.7 | 2.51 | 125 |
| | 18-May-2018 | 7.83 | 1,154 | 21.70 | 2.23 | 131 |
| | 9-Feb-2018 | 7.69 | 1,086 | 20.20 | 2.64 | 150 |
| | 8-Nov-2017 | 7.42 | 942.1 | 21.10 | 5.04 | 250 |
| | 10-Aug-2017 | 7.37 | 892.7 | 27.00 | 4.64 | 60 |
| | 17-May-2017 | 7.87 | 793 | 22.46 | 3.48 | 132.6 |
| | 20-Feb-2017 | 7.85 | 919 | 18.64 | 8.37 | 190.8 |
| | 9-Nov-2016 | 7.42 | 3,774 | 21.09 | 5.63 | 55.3 |
| | 17-Aug-2016 | 7.74 | 4,045 | 23.20 | 5.85 | 3.9 |
| | 18-May-2016 | 7.07 | 3,845 | 23.15 | 4.13 | 66.5 |
| | 15-Feb-2016 | 6.34 | 3,926 | 22.52 | 3.30 | 184.2 |
| | 9-Nov-2015 | 6.79 | 3,888 | 22.27 | 4.75 | 193.2 |
| | 17-Aug-2015 | Insufficient Water-Parameters Not Collected | | | | |
| 126-12 | 27-Aug-2023 | 7.10 | 3,430 | 23.9 | NM | NM |
| | 24-May-2023 | 7.12 | 3,340 | 24.3 | NM | NM |
| | 11-Jan-2023 | 7.68 | 3,290 | 20.1 | 1.6 | 240 |
| | 8-Nov-2022 | 7.07 | 3,100 | 21.6 | 1.8 | 194 |
| | 17-Aug-2022 | 7.18 | 2,910 | 19.8 | NM | NM |
| | 5-May-2022 | 7.33 | 3,620 | 21.7 | 1.6 | 185 |
| | 24-Feb-2022 | 7.61 | 3,380 | 17.0 | 3.0 | 208 |
| | 9-Nov-2021 | 7.66 | 3,210 | 20.0 | 1.9 | 208 |
| | 11-Aug-2021 | 7.33 | 3,340 | 20.9 | 1.6 | 223 |
| | 4-May-2021 | 7.46 | 3,320 | 20.6 | 2.2 | 243 |
| | 9-Feb-2021 | 7.40 | 3,220 | 20.5 | 1.8 | 205 |
| | 10-Nov-2020 | 7.29 | 3,590 | 18.9 | NM | NM |
| | 12-Aug-2020 | 7.19 | 3,570 | 23.1 | NM | NM |
| | 14-May-2020 | 7.66 | 3,400 | 20.7 | 1.89 | 90 |
| | 10-Feb-2020 | 7.46 | 3,070 | 19.5 | 4.80 | 20 |
| | 12-Nov-2019 | 6.76 | 3,181 | 18.5 | 1.14 | 106 |
| | 5-Aug-2019 | 7.10 | 3,415 | 21.7 | NM | 158 |
| | 14-May-2019 | 7.41 | 3,259 | 19.3 | 1.44 | 123 |
| | 22-Feb-2019 | 7.33 | 3,316 | 19.6 | 1.17 | 115 |
| | 14-Nov-2018 | 7.01 | 3,512 | 19.5 | 1.33 | 125 |
| | 15-Aug-2018 | 7.18 | 3,732 | 20.8 | 1.06 | 140 |
| | 7-Jun-2018 | 6.89 | 3,624 | 20.8 | 1.21 | 102 |
| | 9-Feb-2018 | 7.69 | 3,716 | 20.6 | 1.09 | 89 |
| | 8-Nov-2017 | 7.59 | 3,920 | 20.3 | -88 | -170 |
| | 10-Aug-2017 | 7.20 | 4,125 | 22.4 | 2.96 | 141 |
| | 17-May-2017 | 6.94 | 3,377 | 19.54 | 2.71 | 167.8 |
| | 20-Feb-2017 | 7.40 | 3,494 | 20.01 | 5.76 | 206.0 |
| | 9-Nov-2016 | 7.43 | 3,321 | 19.66 | 4.18 | 67.2 |
| | 17-Aug-2016 | 7.29 | 3,696 | 22.16 | 2.40 | 22.8 |
| | 18-May-2016 | 7.12 | 3,103 | 19.36 | 2.26 | 77.4 |
| | 15-Feb-2016 | 6.30 | 3,291 | 21.09 | 1.88 | 175.2 |
| | 9-Nov-2015 | 7.24 | 3,276 | 19.76 | 2.37 | -145.5 |
| | 17-Aug-2015 | 7.21 | 1,843 | 20.97 | NM | -177.9 |

**TABLE 2. SUMMARY OF MONITORING WELL GROUNDWATER FIELD PARAMETERS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | pH | SpC (uS/cm) | Temp (°C) | DO (mg/L) | ORP (mV) |
|---|---|---|---|---|---|---|
| 126-13 | 27-Aug-2023 | 7.04 | 4,740 | 25.3 | NM | NM |
| | 24-May-2023 | 6.88 | 4,960 | 23.8 | NM | NM |
| | 11-Jan-2023 | 7.46 | 4,770 | NM | 1.1 | 173 |
| | 8-Nov-2022 | 6.45 | 4,970 | 21.9 | 2.8 | 158 |
| | 17-Aug-2022 | 7.00 | 5,000 | 22.2 | NM | NM |
| | 5-May-2022 | 7.13 | 5,570 | 21.9 | 1.9 | 171 |
| | 24-Feb-2022 | 7.36 | 5,020 | 18.7 | 2.6 | 214 |
| | 9-Nov-2021 | 7.42 | 4,830 | 20.4 | 2.1 | 123 |
| | 11-Aug-2021 | 7.32 | 4,750 | 22.0 | 2.3 | 47 |
| | 4-May-2021 | 7.32 | 4,910 | 20.1 | 3.5 | 127 |
| | 9-Feb-2021 | 7.28 | 4,990 | 18.9 | 2.4 | 148 |
| | 10-Nov-2020 | 7.21 | 4,970 | 19.6 | NM | NM |
| | 12-Aug-2020 | 6.98 | 5,180 | 23.1 | NM | NM |
| | 13-May-2020 | 7.47 | 5,320 | 23.2 | 1.33 | 56 |
| | 7-Feb-2020 | 7.21 | 5,039 | 20.6 | 9.59 | 103 |
| | 12-Nov-2019 | 6.61 | 5,106 | 20.1 | 4.62 | 37 |
| | 5-Aug-2019 | 6.79 | 5,480 | 22.8 | NM | 220 |
| | 14-May-2019 | 6.89 | 5,297 | 22.0 | 1.37 | 101 |
| | 22-Feb-2019 | 6.62 | 4,711 | 20.7 | 1.29 | 173 |
| | 14-Nov-2018 | 6.58 | 5,374 | 20.8 | 1.40 | 146 |
| | 15-Aug-2018 | 7.06 | 5,136 | 22.9 | 1.17 | 135 |
| | 18-May-2018 | 7.40 | 5,144 | 21.20 | 1.49 | 60 |
| | 9-Feb-2018 | 7.00 | 4,810 | 21.20 | 1.78 | 136 |
| | 8-Nov-2017 | 6.96 | 4,568 | 21.00 | 1.13 | 148 |
| | 10-Aug-2017 | 6.97 | 4,505 | 23.30 | 4.90 | 128 |
| | 17-May-2017 | 6.99 | 4,253 | 21.21 | 1.87 | 185.8 |
| | 17-Feb-2017 | 7.06 | 4,611 | 20.98 | 4.72 | 128.5 |
| | 9-Nov-2016 | 7.31 | 4,361 | 21.40 | 3.84 | 41.8 |
| | 17-Aug-2016 | 7.24 | 4,447 | 21.89 | 2.13 | 34.0 |
| | 18-May-2016 | 6.86 | 4,132 | 20.69 | 3.01 | 73.5 |
| | 15-Feb-2016 | 6.38 | 4,392 | 21.01 | 2.18 | 220.8 |
| | 9-Nov-2015 | 6.96 | 4,208 | 21.49 | 4.32 | 114.8 |
| | 17-Aug-2015 | 6.81 | 4,521 | 22.40 | NM | 167.3 |
| **Mountain View Dairy** | | | | | | |
| 70-01 | 9-Aug-2023 | 7.20 | 4,682 | 24.0 | 1.36 | 122 |
| | 8-May-2023 | 7.23 | 4,640 | 22.8 | 2.91 | 136 |
| | 9-Feb-2023 | 7.22 | 4,718 | 21.6 | 2.09 | 154 |
| | 8-Nov-2022 | 7.28 | 4,825 | 22.6 | 2.00 | 37 |
| | 9-Aug-2022 | 7.31 | 4,892 | 23.8 | 2.53 | 156 |
| | 9-May-2022 | 7.29 | 4,923 | 22.9 | 2.81 | 147 |
| | 15-Feb-2022 | 7.41 | 4,550 | 21.4 | 2.46 | 117 |
| | 5-Nov-2021 | 7.61 | 4,817 | 23.3 | 2.91 | 87 |
| | 10-Aug-2021 | 7.78 | 4,480 | 23.0 | 2.92 | 74 |
| | 10-May-2021 | 7.34 | 4,639 | 22.6 | 1.33 | 141 |
| | 16-Feb-2021 | 7.40 | 4,570 | 19.3 | 2.00 | 99 |
| | 12-Nov-2020 | 7.39 | 4,401 | 21.4 | 2.63 | 59 |
| | 14-Aug-2020 | 7.57 | 5,021 | 26.3 | 1.38 | 143 |
| | 13-May-2020 | 7.39 | 4,522 | 24.6 | 2.03 | 96 |
| | 10-Feb-2020 | 7.26 | 4,429 | 21.4 | 1.06 | 69 |
| | 15-Nov-2019 | 6.75 | 4,766 | 22.0 | 2.62 | 136 |
| | 7-Aug-2019 | 7.01 | 5,108 | 22.7 | NM | 192 |
| | 16-May-2019 | 6.49 | 4,229 | 23.6 | 3.47 | 88 |
| | 26-Feb-2019 | 7.11 | 4,577 | 21.5 | 2.13 | 145 |
| | 15-Nov-2018 | 7.01 | 4,448 | 20.9 | 2.61 | 151 |
| | 15-Aug-2018 | 7.28 | 5,081 | 23.7 | 2.29 | 186 |
| | 21-May-2018 | 6.77 | 5,065 | 22.6 | 2.52 | 108 |
| | 13-Feb-2018 | 7.09 | 4,570 | 22.7 | 1.48 | 181 |
| | 9-Nov-2017 | 6.79 | 4,166 | 20.8 | 2.76 | 133 |
| | 14-Aug-2017 | 7.08 | 4,321 | 23.0 | 3.10 | 145 |
| | 19-May-2017 | 6.96 | 3,831 | 23.21 | 1.90 | 173.4 |
| | 20-Feb-2017 | 7.53 | 3,953 | 21.11 | 4.94 | 116.9 |
| | 22-Nov-2016 | 7.16 | 4,160 | 21.91 | 1.96 | 32.6 |
| | 19-Aug-2016 | 7.35 | 3,982 | 21.67 | 1.30 | 61.9 |
| | 24-May-2016 | 7.14 | 3,734 | 21.64 | 2.85 | 37.7 |
| | 16-Feb-2016 | 6.66 | 3,771 | 21.03 | 2.20 | 191.9 |
| | 12-Nov-2015 | 7.15 | 3,774 | 20.91 | 1.70 | 171.1 |
| | 19-Aug-2015 | 7.08 | 3,830 | 22.50 | NM | 187.0 |

**TABLE 2. SUMMARY OF MONITORING WELL GROUNDWATER FIELD PARAMETERS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | pH | SpC (uS/cm) | Temp (°C) | DO (mg/L) | ORP (mV) |
|---|---|---|---|---|---|---|
| 70-02 | 9-Aug-2023 | 7.23 | 4,574 | 23.1 | 2.15 | 101 |
| | 8-May-2023 | 7.33 | 4,508 | 29.3 | 2.54 | 88 |
| | 9-Feb-2023 | 7.28 | 4,587 | 22.0 | 2.33 | 136 |
| | 8-Nov-2022 | 7.36 | 4,668 | 22.8 | 2.06 | 175 |
| | 9-Aug-2022 | 7.32 | 4,744 | 25.7 | 2.07 | 157 |
| | 9-May-2022 | 7.51 | 4,738 | 23.4 | 2.01 | 102 |
| | 15-Feb-2022 | 7.70 | 4,663 | 22.4 | 2.60 | 107 |
| | 5-Nov-2021 | 7.72 | 4,637 | 23.0 | 2.53 | 146 |
| | 10-Aug-2021 | 7.88 | 4,722 | 24.0 | 2.77 | 71 |
| | 10-May-2021 | 7.64 | 4,743 | 23.0 | 2.66 | 117 |
| | 16-Feb-2021 | 7.61 | 4,525 | 20.1 | 2.29 | 102 |
| | 12-Nov-2020 | 7.43 | 4,518 | 22.6 | 2.88 | 94 |
| | 14-Aug-2020 | 7.69 | 4,801 | 23.8 | 2.63 | 1.47 |
| | 13-May-2020 | 7.60 | 4,813 | 24.1 | 1.70 | 86 |
| | 10-Feb-2020 | 7.52 | 4,540 | 21.9 | 0.83 | 112 |
| | 12-Nov-2019 | 7.16 | 4,522 | 21.1 | 1.33 | 157 |
| | 6-Aug-2019 | 7.17 | 4,872 | 24.7 | NM | 212 |
| | 16-May-2019 | 7.84 | 4,765 | 23.6 | 5.72 | 80 |
| | 26-Feb-2019 | 7.29 | 4,665 | 22.2 | 1.86 | 147 |
| | 14-Nov-2018 | 7.11 | 4,789 | 21.3 | 4.15 | 137 |
| | 15-Aug-2018 | 7.53 | 4,744 | 24.4 | 3.84 | 175 |
| | 21-May-2018 | 7.10 | 4,802 | 23.4 | 4.80 | 111 |
| | 13-Feb-2018 | 7.54 | 4,790 | 22.3 | 1.92 | 150 |
| | 9-Nov-2017 | 7.11 | 4,818 | 21.7 | 5.60 | 128 |
| | 14-Aug-2017 | 7.77 | 4,890 | 25.3 | 3.23 | 149 |
| | 19-May-2017 | 7.23 | 4,716 | 22.71 | 3.27 | 157.8 |
| | 20-Feb-2017 | 7.81 | 4,939 | 22.23 | 5.27 | 201.6 |
| | 22-Nov-2016 | 7.79 | 4,906 | 22.01 | 4.21 | 65.7 |
| | 18-Aug-2016 | Insufficient Water-Parameters Not Collected | | | | |
| | 23-May-2016 | 7.49 | 4,846 | 24.22 | 2.01 | 40.2 |
| | 16-Feb-2016 | 6.90 | 4,816 | 22.31 | 2.57 | 192.5 |
| | 12-Nov-2015 | 7.64 | 4,737 | 21.94 | NM | 174.1 |
| | 19-Aug-2015 | 7.43 | 4,816 | 25.90 | NM | 179.5 |
| 70-04 | 9-Aug-2023 | 7.24 | 4,701 | 23.4 | 2.43 | 106 |
| | 8-May-2023 | 7.34 | 4,477 | 23.6 | 1.93 | 20 |
| | 9-Feb-2023 | 7.28 | 4,610 | 22.5 | 2.64 | 102 |
| | 8-Nov-2022 | 7.29 | 4,582 | 22.60 | 1.59 | 146 |
| | 9-Aug-2022 | 7.54 | 4,441 | 23.5 | 2.85 | 127 |
| | 9-May-2022 | 7.58 | 4,428 | 23.4 | 2.33 | 100 |
| | 15-Feb-2022 | 7.83 | 4,460 | 22.2 | 2.66 | 83 |
| | 5-Nov-2021 | 7.60 | 4,408 | 22.3 | 2.62 | 158 |
| | 10-Aug-2021 | 7.54 | 4,402 | 23.2 | 2.38 | 54 |
| | 10-May-2021 | 7.50 | 4,463 | 23.7 | 3.35 | 91 |
| | 16-Feb-2021 | 7.66 | 4,326 | 20.9 | 2.40 | 97 |
| | 12-Nov-2020 | 7.29 | 4,344 | 22.8 | 2.03 | 87 |
| | 14-Aug-2020 | 7.24 | 4,391 | 27.6 | 2.05 | 144 |
| | 13-May-2020 | 7.68 | 4,406 | 23.7 | 1.93 | 113 |
| | 10-Feb-2020 | 7.25 | 4,400 | 22.3 | 1.19 | 97 |
| | 12-Nov-2019 | 6.61 | 4,309 | 21.4 | 1.18 | 113 |
| | 6-Aug-2019 | 6.74 | 4,564 | 23.7 | NM | 236 |
| | 16-May-2019 | 6.27 | 4,521 | 22.9 | 3.84 | 97 |
| | 26-Feb-2019 | 7.09 | 4,513 | 22.4 | 2.34 | 145 |
| | 14-Nov-2018 | 6.75 | 4,532 | 21.8 | 2.58 | 133 |
| | 15-Aug-2018 | 7.17 | 4,401 | 24.2 | 2.28 | 135 |
| | 21-May-2018 | 7.38 | 4,612 | 23.0 | 2.11 | 95 |
| | 13-Feb-2018 | 7.27 | 4,433 | 22.6 | 1.06 | 138 |
| | 9-Nov-2017 | 6.68 | 4,292 | 21.9 | 2.47 | 129 |
| | 14-Aug-2017 | 7.14 | 4,229 | 23.2 | 5.66 | 131 |
| | 19-May-2017 | 6.97 | 4,077 | 22.33 | 3.11 | 197.8 |
| | 20-Feb-2017 | 7.42 | 4,232 | 22.17 | 1.24 | 85.2 |
| | 22-Nov-2016 | 7.20 | 4,028 | 20.35 | 3.28 | 87.0 |
| | 18-Aug-2016 | 7.06 | 4,147 | 23.11 | 1.81 | 29.1 |
| | 23-May-2016 | 6.99 | 3,916 | 22.93 | 1.77 | 66.5 |
| | 16-Feb-2016 | 6.63 | 3,930 | 21.57 | 1.36 | 205.3 |
| | 12-Nov-2015 | 7.08 | 3,939 | 21.76 | 1.17 | 195.5 |
| | 19-Aug-2015 | 7.01 | 4,047 | 22.49 | NM | 183.3 |

**TABLE 2. SUMMARY OF MONITORING WELL GROUNDWATER FIELD PARAMETERS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | pH | SpC (uS/cm) | Temp (°C) | DO (mg/L) | ORP (mV) |
|---|---|---|---|---|---|---|
| **Buena Vista Diary I** | | | | | | |
| 86-01 | Jan-2011 | Not Sampled Since January 2011 | | | | |
| 86-02 | Jan-2011 | Not Sampled Since January 2011 | | | | |
| **Bright Star Dairy** | | | | | | |
| 340-01 | 8-Aug-2023 | 7.22 | 4,482 | 23.4 | 2.43 | 122 |
| | 5-May-2023 | 7.29 | 4,514 | 22.2 | 2.60 | 119 |
| | 8-Feb-2023 | 7.26 | 4,484 | 20.3 | 2.23 | 173 |
| | 8-Nov-2022 | 7.19 | 4,552 | 21.3 | 2.35 | 200 |
| | 27-Oct-2022 | 7.19 | 4,507 | 21.0 | 2.55 | 207 |
| | 5-May-2022 | 7.40 | 4,496 | 22.0 | 2.84 | 157 |
| | 14-Feb-2022 | 7.52 | 4,411 | 21.8 | 2.34 | 92 |
| | 4-Nov-2021 | 7.30 | 4,389 | 21.5 | 2.64 | 180 |
| | 9-Aug-2021 | 7.57 | 4,447 | 24.7 | 2.95 | 83 |
| | 6-May-2021 | 7.43 | 4,433 | 23.0 | 2.93 | 199 |
| | 15-Feb-2021 | 7.49 | 4,283 | 19.6 | 2.83 | 50 |
| | 11-Nov-2020 | 7.22 | 4,254 | 22.0 | 2.81 | 161 |
| | 13-Aug-2020 | 7.59 | 4,420 | 23.7 | 1.93 | 164 |
| | 14-May-2020 | 7.49 | 4,430 | 22.9 | 2.91 | 118 |
| | 7-Feb-2020 | 7.45 | 4,201 | 21.2 | 10.22 | 64 |
| | 12-Nov-2019 | 6.86 | 4,254 | 20.7 | 1.27 | 142 |
| | 6-Aug-2019 | 7.02 | 4,458 | 23.5 | NM | 158 |
| | 14-May-2019 | 7.12 | 4,360 | 22.5 | 2.23 | 87 |
| | 25-Feb-2019 | 7.13 | 4,345 | 21.1 | 2.45 | 129 |
| | 15-Nov-2018 | 7.17 | 4,455 | 21.3 | 2.70 | 147 |
| | 14-Aug-2018 | 7.19 | 4,321 | 23.6 | 1.60 | 128 |
| | 21-May-2018 | 6.68 | 4,484 | 23.4 | 1.03 | 105 |
| | 12-Feb-2018 | 7.32 | 4,409 | 21.2 | 1.09 | 124 |
| | 8-Nov-2017 | 7.56 | 4,342 | 21.1 | 2.47 | 113 |
| | 11-Aug-2017 | 7.29 | 4,350 | 23.0 | 1.93 | 157.2 |
| | 18-May-2017 | 7.08 | 4,140 | 21.83 | 2.61 | 181.2 |
| | 16-Feb-2017 | 7.27 | 4,299 | 20.79 | 3.68 | 173.1 |
| | 10-Nov-2016 | 7.45 | 4,244 | 20.80 | 2.67 | 106.8 |
| | 23-Aug-2016 | 7.07 | 4,391 | 21.95 | 1.27 | 30.4 |
| | 18-May-2016 | 7.09 | 4,122 | 22.25 | 1.76 | 61.3 |
| | 11-Feb-2016 | 7.36 | 4,093 | 21.35 | 3.07 | 207.3 |
| | 9-Nov-2015 | 7.25 | 4,052 | 21.27 | 1.34 | 115.1 |
| | 20-Aug-2015 | 7.26 | 3,382 | 22.21 | NM | 259.1 |

**TABLE 2. SUMMARY OF MONITORING WELL GROUNDWATER FIELD PARAMETERS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | pH | SpC (uS/cm) | Temp (°C) | DO (mg/L) | ORP (mV) |
|---|---|---|---|---|---|---|
| 340-02 | 8-Aug-2023 | Dry | | | | |
| | 5-May-2023 | Dry | | | | |
| | 5-May-2023 | Dry | | | | |
| | 8-Feb-2023 | Insufficient Water-Parameters Not Collected | | | | |
| | 8-Nov-2022 | Insufficient Water-Parameters Not Collected | | | | |
| | 9-Aug-2022 | 7.13 | 4,855 | 23.7 | 2.88 | 209 |
| | 5-May-2022 | 7.47 | 4,860 | 27.8 | 2.73 | 100 |
| | 14-Feb-2022 | 7.44 | 4,781 | 22.8 | 2.73 | 74 |
| | 4-Nov-2021 | 7.66 | 4,869 | 22.5 | 2.77 | 144 |
| | 9-Aug-2021 | 7.79 | 4,828 | 23.4 | 2.77 | 72 |
| | 6-May-2021 | 7.52 | 4,947 | 24.0 | 2.33 | 189 |
| | 15-Feb-2021 | 7.55 | 4,946 | 19.5 | 2.57 | 88 |
| | 11-Nov-2020 | 7.20 | 4,923 | 23.3 | 2.90 | 121 |
| | 14-Aug-2020 | 7.35 | 4,910 | 24.6 | 2.11 | 128 |
| | 14-May-2020 | 7.70 | 4,888 | 23.9 | 2.73 | 80 |
| | 7-Feb-2020 | 7.21 | 4,706 | 22.1 | 3.96 | 66 |
| | 12-Nov-2019 | 6.97 | 4,783 | 20.7 | 3.41 | 174 |
| | 6-Aug-2019 | 6.98 | 4,770 | 25.6 | NM | 189 |
| | 14-May-2019 | 7.37 | 4,700 | 24.5 | 1.59 | 66 |
| | 25-Feb-2019 | 7.08 | 4,714 | 22.1 | 1.20 | 124 |
| | 15-Nov-2018 | 6.93 | 4,863 | 21.9 | 1.41 | 161 |
| | 14-Aug-2018 | 7.22 | 4,827 | 24.4 | 2.94 | 131 |
| | 21-May-2018 | 6.86 | 4,883 | 23.1 | 3.01 | 121 |
| | 12-Feb-2018 | 7.34 | 4,899 | 22.2 | 3.90 | 123 |
| | 8-Nov-2017 | 6.19 | 5,022 | 22.4 | 3.80 | 36 |
| | 11-Aug-2017 | 7.75 | 4,950 | 26.6 | 5.91 | 189 |
| | 18-May-2017 | 7.28 | 4,948 | 23.0 | 2.97 | 187.6 |
| | 16-Feb-2017 | 7.35 | 5,096 | 21.65 | 8.01 | 200.5 |
| | 10-Nov-2016 | 7.55 | 4,904 | 20.96 | 7.16 | 113.8 |
| | 23-Aug-2016 | Insufficient Water-Parameters Not Collected | | | | |
| | 18-May-2016 | Insufficient Water-Parameters Not Collected | | | | |
| | 11-Feb-2016 | 7.30 | 4,890 | 22.59 | 5.44 | 217.5 |
| | 9-Nov-2015 | 7.10 | 4,755 | 22.34 | 4.09 | 148.9 |
| | 20-Aug-2015 | Insufficient Water-Parameters Not Collected | | | | |

**TABLE 2. SUMMARY OF MONITORING WELL GROUNDWATER FIELD PARAMETERS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | pH | SpC (uS/cm) | Temp (°C) | DO (mg/L) | ORP (mV) |
|---|---|---|---|---|---|---|
| **Dominguez 2 (Former D&J Dairy)** | | | | | | |
| 42-02* | 14-Aug-2023 | 7.23 | 3,801 | 20.3 | 2.86 | 241 |
| | 10-May-2023 | 7.28 | 3,961 | 20.1 | 2.07 | 152 |
| | 13-Feb-2023 | 7.21 | 4,119 | 19.5 | 2.23 | 162 |
| | 10-Nov-2022 | 7.21 | 3,910 | 19.1 | 2.93 | 187 |
| | 11-Aug-2022 | 7.24 | 3,840 | 20.6 | 2.92 | 176 |
| | 11-May-2022 | 7.31 | 3,990 | 21.1 | 2.69 | 185 |
| | 16-Feb-2022 | 7.61 | 4,144 | 19.9 | 2.12 | 131 |
| | 9-Nov-2021 | 7.11 | 3,982 | 19.6 | 2.37 | 206 |
| | 11-Aug-2021 | 7.70 | 3,866 | 21.5 | 2.95 | 112 |
| | 11-May-2021 | 7.36 | 3,951 | 20.4 | 2.90 | 204 |
| | 18-Feb-2021 | 7.65 | 4,047 | 18.4 | 1.79 | 249 |
| | 16-Nov-2020 | 7.43 | 3,915 | 19.9 | 2.37 | 260 |
| | 18-Aug-2020 | 7.63 | 3,591 | 20.9 | 2.55 | 235 |
| | 22-May-2020 | 7.32 | 3,781 | 20.2 | 2.91 | 116 |
| | 11-Feb-2020 | 7.60 | 3,705 | 18.0 | 2.08 | 71 |
| | 22-Nov-2019 | 6.80 | 3,672 | 19.8 | 6.50 | 177 |
| | 16-Aug-2019 | 6.94 | 3,606 | 20.4 | 6.35 | 44 |
| | 29-May-2019 | 6.96 | 3,866 | 20.8 | 4.23 | 256 |
| | 6-Mar-2019 | 6.86 | 3,731 | 19.1 | 4.67 | 167 |
| | 4-Dec-2018 | 6.88 | 3,558 | 17.8 | 4.77 | 173 |
| | 22-Aug-2018 | 7.01 | 3,749 | 21.0 | 4.38 | 165 |
| | 29-May-2018 | 6.84 | 4,326 | 20.1 | 5.45 | 142 |
| | 21-Feb-2018 | 7.12 | 4,248 | 18.8 | 7.30 | 167 |
| | 1-Dec-2017 | 7.06 | 4,086 | 19.4 | 8.58 | 189 |
| | 22-Aug-2017 | 7.20 | 3,877 | 20.8 | 6.28 | 73 |
| | 2-Jun-2017 | 7.02 | 3,769 | 20.18 | 4.25 | 135.5 |
| | 6-Mar-2017 | 7.28 | 3,729 | 19.44 | 4.76 | 221.2 |
| | 28-Nov-2016 | 7.08 | 3,698 | 19.07 | 3.76 | 110.2 |
| | 31-Aug-2016 | 7.09 | 3,787 | 21.70 | 4.38 | 70.7 |
| | 1-Jun-2016 | 7.07 | 3,399 | 20.65 | 7.02 | 48.4 |
| | 23-Feb-2016 | 6.71 | 3,376 | 19.57 | 5.18 | 208.7 |
| | 1-Dec-2015 | 7.32 | 3,424 | 19.70 | 7.41 | 262.0 |
| | 26-Aug-2015 | 7.03 | 3,432 | 21.70 | NM | 238.8 |
| 42-03* | 11-Aug-2023 | 7.19 | 5,031 | 26.1 | 2.72 | 87 |
| | 9-May-2023 | 7.26 | 5,034 | 25.4 | 2.83 | 157 |
| | 10-Feb-2023 | 7.19 | 5,037 | 24.5 | 2.45 | 181 |
| | 9-Nov-2022 | 7.20 | 5,050 | 24.6 | 2.62 | 190 |
| | 10-Aug-2022 | 7.22 | 5,141 | 26.5 | 1.29 | 176 |
| | 10-May-2022 | 7.28 | 5,123 | 25.9 | 2.46 | 178 |
| | 16-Feb-2022 | 7.20 | 5,009 | 24.1 | 1.99 | 186 |
| | 8-Nov-2021 | 7.20 | 5,108 | 26.1 | 2.90 | 234 |
| | 10-Aug-2021 | 7.63 | 5,103 | 26.9 | 2.78 | 64 |
| | 11-May-2021 | 7.22 | 5,103 | 26.0 | 2.96 | 142 |
| | 17-Feb-2021 | 7.73 | 4,953 | 23.7 | 2.93 | 131 |
| | 16-Nov-2020 | 7.19 | 5,048 | 25.5 | 2.04 | 152 |
| | 18-Aug-2020 | 7.37 | 5,263 | 26.0 | 2.83 | 197 |
| | 20-May-2020 | 7.22 | 5,220 | 26.0 | 2.08 | 152 |
| | 11-Feb-2020 | 7.75 | 5,015 | 22.9 | 1.58 | 99 |
| | 22-Nov-2019 | 6.38 | 5,054 | 24.6 | 2.75 | 88 |
| | 16-Aug-2019 | 6.83 | 5,376 | 27.0 | 2.36 | 72 |
| | 30-May-2019 | 6.53 | 5,218 | 24.9 | 5.28 | 208 |
| | 6-Mar-2019 | 7.22 | 4,511 | 24.9 | 5.54 | 151 |
| | 4-Dec-2018 | 6.90 | 5,211 | 23.3 | 5.39 | 180 |
| | 22-Aug-2018 | 7.01 | 5,352 | 27.1 | 5.81 | 88 |
| | 29-May-2018 | 6.64 | 5,528 | 25.7 | 6.21 | 120 |
| | 21-Feb-2018 | 7.12 | 5,486 | 22.6 | 6.37 | 147 |
| | 1-Dec-2017 | 7.11 | 5,502 | 24.6 | 7.28 | 147 |
| | 23-Aug-2017 | 7.14 | 5,500 | 26.0 | 4.27 | 127 |
| | 2-Jun-2017 | 7.01 | 5,809 | 25.36 | 5.21 | 118.7 |
| | 6-Mar-2017 | 7.25 | 5,975 | 24.20 | 3.73 | 202.6 |
| | 28-Nov-2016 | 6.59 | 5,902 | 24.49 | 7.23 | 116.1 |
| | 31-Aug-2016 | 6.98 | 5,556 | 26.70 | 6.74 | 55.4 |
| | 1-Jun-2016 | 6.92 | 5,322 | 24.17 | 4.78 | 65.8 |
| | 23-Feb-2016 | 6.73 | 5,403 | 22.87 | 4.17 | 204.4 |
| | 1-Dec-2015 | 7.21 | 4,736 | 20.46 | 5.68 | 149.8 |
| | 26-Aug-2015 | 6.97 | 5,861 | 25.81 | NM | 236.5 |

**TABLE 2. SUMMARY OF MONITORING WELL GROUNDWATER FIELD PARAMETERS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | pH | SpC (uS/cm) | Temp (°C) | DO (mg/L) | ORP (mV) |
|---|---|---|---|---|---|---|
| 42-06* | 11-Aug-2023 | 7.24 | 3,301 | 21.1 | 2.53 | 118 |
| | 9-May-2023 | 7.30 | 3,658 | 21.7 | 2.84 | 137 |
| | 10-Feb-2023 | 7.31 | 3,669 | 18.9 | 2.86 | 114 |
| | 9-Nov-2022 | 7.43 | 3,605 | 21.20 | 2.86 | 226.0 |
| | 10-Aug-2022 | 7.36 | 3,666 | 22.6 | 2.88 | 191 |
| | 10-May-2022 | 7.43 | 4,799 | 22.2 | 2.11 | 138 |
| | 17-Feb-2022 | 7.40 | 4,982 | 20.1 | 2.39 | 191 |
| | 8-Nov-2021 | 7.48 | 5,003 | 21.6 | 2.86 | 139 |
| | 11-Aug-2021 | 7.80 | 4,934 | 22.6 | 2.77 | 105 |
| | 11-May-2021 | 7.72 | 5,282 | 21.8 | 2.97 | -41 |
| | 18-Feb-2021 | 7.85 | 5,265 | 21.0 | 2.49 | 118 |
| | 16-Nov-2020 | 7.77 | 4,600 | 21.5 | 2.85 | 246 |
| | 22-May-2020 | 7.40 | 4,422 | 21.6 | 2.90 | 103 |
| | 12-Feb-2020 | 7.87 | 4,036 | 20.1 | 2.13 | 104 |
| | 22-Nov-2019 | 7.18 | 3,830 | 20.2 | 5.70 | 112 |
| | 16-Aug-2019 | 7.31 | 4,144 | 21.4 | 3.45 | 45 |
| | 30-May-2019 | 7.17 | 3,631 | 21.3 | 4.11 | 206 |
| | 6-Mar-2019 | 7.32 | 4,071 | 21.4 | 4.30 | 146 |
| | 4-Dec-2018 | 7.11 | 4,010 | 19.3 | 4.50 | 182 |
| | 22-Aug-2018 | 7.04 | 4,029 | 21.5 | 4.11 | 189 |
| | 29-May-2018 | 7.14 | 4,490 | 21.0 | 3.76 | 132 |
| | 21-Feb-2018 | 7.66 | 4,349 | 20.1 | 4.28 | 160 |
| | 1-Dec-2017 | 7.31 | 4,034 | 21.1 | 7.12 | 152 |
| | 22-Aug-2017 | 7.70 | 4,448 | 22.1 | 5.06 | 74 |
| | 2-Jun-2017 | 7.11 | 3,441 | 21.47 | 123.4 | 94.8 |
| | 6-Mar-2017 | 7.71 | 3,171 | 21.41 | 5.29 | 208.9 |
| | 28-Nov-2016 | 7.12 | 2,947 | 20.63 | 8.32 | 200.7 |
| | 31-Aug-2016 | 7.42 | 2,932 | 22.70 | 6.96 | 33.5 |
| | 1-Jun-2016 | 7.41 | 2,996 | 21.17 | 6.10 | 44.5 |
| | 23-Feb-2016 | 7.52 | 3,092 | 18.97 | 2.45 | 95.4 |
| | 1-Dec-2015 | 7.68 | 3,042 | 18.65 | 6.21 | 188.1 |
| | 26-Aug-2015 | 7.39 | 3,551 | 23.21 | NM | 232.7 |
| 42-07* | 10-Nov-2020 | Plugged and Abandoned | | | | |
| | 19-Aug-2020 | Dry | | | | |
| | 22-May-2020 | Dry | | | | |
| | 11-Feb-2020 | Dry | | | | |
| | 16-Aug-2019 | Dry | | | | |
| | 16-Aug-2019 | Dry | | | | |
| | 29-May-2019 | Dry | | | | |
| | 6-Mar-2019 | Dry | | | | |
| | 4-Dec-2018 | Dry | | | | |
| | 22-Aug-2018 | Dry | | | | |
| | 29-May-2018 | Dry | | | | |
| | 21-Feb-2018 | Dry | | | | |
| | 1-Dec-2017 | Dry | | | | |
| | 22-Aug-2017 | Dry | | | | |
| | 2-Jun-2017 | Dry | | | | |
| | 6-Mar-2017 | Dry | | | | |
| | 28-Nov-2016 | Dry | | | | |
| | 31-Aug-2016 | Dry | | | | |
| | 1-Jun-2016 | Dry | | | | |
| | 23-Feb-2016 | Dry | | | | |
| | 1-Dec-2015 | Dry | | | | |
| | 26-Aug-2015 | Dry | | | | |

**TABLE 2. SUMMARY OF MONITORING WELL GROUNDWATER FIELD PARAMETERS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | pH | SpC (uS/cm) | Temp (°C) | DO (mg/L) | ORP (mV) |
|---|---|---|---|---|---|---|
| 42-08* | 14-Aug-2023 | 7.20 | 3,002 | 23.6 | 2.16 | 123 |
| | 10-May-2023 | 7.25 | 3,015 | 24.2 | 2.16 | 256 |
| | 13-Feb-2023 | 7.33 | 2,792 | 15.3 | 2.16 | 273 |
| | 9-Nov-2022 | 7.32 | 3,305 | 22.0 | 2.57 | 219.0 |
| | 10-Aug-2022 | 7.65 | 3,326 | 26.7 | 2.50 | 152 |
| | 11-May-2022 | 7.31 | 2,823 | 21.3 | 2.00 | 181 |
| | 17-Feb-2022 | 7.30 | 2,869 | 20.7 | 2.06 | 181 |
| | 9-Nov-2021 | 7.25 | 3,141 | 23.9 | 2.23 | 208 |
| | 11-Aug-2021 | 7.81 | 3,191 | 22.1 | 2.16 | 117 |
| | 11-May-2021 | 7.75 | 3,077 | 21.6 | 1.68 | 238 |
| | 18-Feb-2021 | 7.81 | 2,630 | 19.6 | 2.02 | 148 |
| | 16-Nov-2020 | 7.65 | 2,775 | 21.9 | 2.55 | 282 |
| | 18-Aug-2020 | 7.82 | 3,477 | 23.3 | 2.40 | -225 |
| | 22-May-2020 | 7.57 | 2,681 | 23.5 | 2.14 | 140 |
| | 12-Feb-2020 | 8.03 | 2,586 | 16.3 | 4.93 | 79 |
| | 22-Nov-2019 | 7.27 | 2,751 | 21.7 | 6.39 | 135 |
| | 16-Aug-2019 | 7.39 | 2,675 | 21.2 | 2.11 | 39 |
| | 29-May-2019 | 7.58 | 2,106 | 21.1 | 4.09 | 192 |
| | 6-Mar-2019 | 7.54 | 1,944 | 20.5 | 3.81 | 147 |
| | 4-Dec-2018 | 7.36 | 1,881 | 19.9 | 4.08 | 155 |
| | 22-Aug-2018 | 7.65 | 2,490 | 21.5 | 3.94 | 198 |
| | 29-May-2018 | 7.32 | 1,857 | 21.3 | 3.70 | 131 |
| | 21-Feb-2018 | 7.90 | 1,962 | 20.3 | 3.91 | 150 |
| | 1-Dec-2017 | 7.98 | 2,082 | 21.0 | 3.83 | 162 |
| | 22-Aug-2017 | 7.61 | 2,410 | 21.6 | 3.91 | 89 |
| | 2-Jun-2017 | 7.55 | 1,691 | 21.45 | 4.36 | 93.6 |
| | 6-Mar-2017 | 7.85 | 1,626 | 20.48 | 2.72 | 195.1 |
| | 28-Nov-2016 | 7.94 | 1,684 | 18.10 | 6.11 | 47.50 |
| | 31-Aug-2016 | Dry | | | | |
| | 1-Jun-2016 | Dry | | | | |
| | 23-Feb-2016 | Dry | | | | |
| | 1-Dec-2015 | Dry | | | | |
| | 26-Aug-2015 | 7.74 | 2,245 | 22.68 | NM | 206.6 |

**TABLE 2. SUMMARY OF MONITORING WELL GROUNDWATER FIELD PARAMETERS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | pH | SpC (uS/cm) | Temp (°C) | DO (mg/L) | ORP (mV) |
|---|---|---|---|---|---|---|
| 42-09* | 10-Nov-2020 | Plugged and Abandoned | | | | |
| | 1-Dec-2015 | Destroyed | | | | |
| | 26-Aug-2015 | 7.12 | 4,773 | 24.28 | NM | 245.8 |
| 42-10* | 16-Aug-2023 | 7.29 | 2,511 | 30.2 | 1.84 | 132 |
| | 11-May-2023 | 7.30 | 2,633 | 29.6 | 2.00 | 110 |
| | 14-Feb-2023 | 7.30 | 2,684 | 26.5 | 1.88 | 132 |
| | 10-Nov-2022 | 7.27 | 2,636 | 27.4 | 1.99 | 213 |
| | 11-Aug-2022 | 7.28 | 2,477 | 27.5 | 1.61 | 146 |
| | 11-May-2022 | 7.43 | 2,607 | 27.8 | 1.91 | 148 |
| | 17-Feb-2022 | 7.20 | 2,496 | 23.8 | 1.75 | 155 |
| | 9-Nov-2021 | 7.19 | 2,508 | 27.7 | 1.85 | 149 |
| | 12-Aug-2021 | 7.53 | 2,451 | 28.4 | 1.78 | 83 |
| | 12-May-2021 | 7.52 | 2,446 | 26.9 | 1.79 | 164 |
| | 17-Feb-2021 | 7.68 | 2,355 | 25.9 | 1.75 | 119 |
| | 13-Nov-2020 | 7.44 | 2,324 | 27.4 | 1.73 | 217 |
| | 19-Aug-2020 | 7.14 | 2,431 | 28.2 | 1.78 | 165 |
| | 22-May-2020 | 7.50 | 2,455 | 28.2 | 1.75 | 156 |
| | 12-Feb-2020 | 7.31 | 2,389 | 25.8 | 4.85 | 118 |
| | 25-Nov-2019 | 6.66 | 2,433 | 26.9 | 6.21 | 199 |
| | 19-Aug-2019 | 6.83 | 2,488 | 27.5 | 6.25 | 138 |
| | 30-May-2019 | 6.71 | 2,390 | 27.1 | 4.64 | 131 |
| | 6-Mar-2019 | 7.14 | 2,391 | 26.9 | 5.28 | 131 |
| | 4-Dec-2018 | 6.82 | 2,304 | 22.9 | 5.63 | 190 |
| | 22-Aug-2018 | 7.29 | 2,294 | 27.9 | 6.23 | 151 |
| | 30-May-2018 | 6.65 | 2,308 | 27.0 | 7.30 | 157 |
| | 19-Feb-2018 | 7.29 | 2,291 | 24.9 | 7.71 | 136 |
| | 4-Dec-2017 | 7.52 | 2,250 | 24.7 | 7.84 | 171 |
| | 23-Aug-2017 | 7.33 | 2,256 | 26.1 | 5.61 | 132 |
| | 2-Jun-2017 | 7.18 | 2,381 | 27.3 | 5.36 | 119.4 |
| | 6-Mar-2017 | 7.26 | 2,450 | 25.77 | 6.32 | 195.8 |
| | 29-Nov-2016 | 6.96 | 2,473 | 24.61 | 11.24 | 113.6 |
| | 1-Sep-2016 | 6.96 | 2,300 | 27.70 | 6.63 | NM |
| | 1-Jun-2016 | 7.10 | 2,300 | 26.84 | 5.27 | 72.3 |
| | 23-Feb-2016 | 7.38 | 2,072 | 18.76 | 3.27 | 201.8 |
| | 1-Dec-2015 | 7.46 | 2,222 | 22.17 | 7.39 | 167.4 |
| | 25-Aug-2015 | 7.20 | 2,565 | 27.01 | NM | 220.5 |

**TABLE 2. SUMMARY OF MONITORING WELL GROUNDWATER FIELD PARAMETERS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | pH | SpC (uS/cm) | Temp (°C) | DO (mg/L) | ORP (mV) |
|---|---|---|---|---|---|---|
| 42-11* | 14-Aug-2023 | 7.27 | 2,274 | 30.3 | 1.55 | 104 |
| | 10-May-2023 | 7.43 | 2,286 | 25.6 | 1.72 | 110 |
| | 14-Feb-2023 | 7.25 | 2,309 | 28.7 | 1.68 | 197 |
| | 10-Nov-2022 | 7.35 | 2,296 | 25.0 | 1.78 | 212 |
| | 11-Aug-2022 | 7.36 | 2,305 | 28.9 | 1.73 | 166 |
| | 11-May-2022 | 7.36 | 2,340 | 31.2 | 1.66 | 251 |
| | 17-Feb-2022 | 7.63 | 2,315 | 26.9 | 1.62 | 168 |
| | 9-Nov-2021 | 7.38 | 2,281 | 30.2 | 1.62 | 8 |
| | 12-Aug-2021 | 7.24 | 2,260 | 29.2 | 1.65 | 109 |
| | 12-May-2021 | 7.19 | 2,246 | 29.7 | 1.54 | 146 |
| | 17-Feb-2021 | 7.19 | 2,178 | 28.5 | 1.48 | 194 |
| | 13-Nov-2020 | 7.33 | 2,079 | 28.0 | 1.48 | 256 |
| | 19-Aug-2020 | 7.33 | 2,071 | 29.0 | 1.39 | 225 |
| | 22-May-2020 | 7.31 | 2,028 | 28.5 | 1.48 | 152 |
| | 12-Feb-2020 | 7.62 | 1,903 | 26.0 | 1.88 | 143 |
| | 25-Nov-2019 | 6.63 | 1,890 | 28.5 | 7.49 | 265 |
| | 19-Aug-2019 | 7.18 | 1,933 | 25.8 | 4.00 | 134 |
| | 30-May-2019 | 7.13 | 1,857 | 24.9 | 5.56 | 247 |
| | 6-Mar-2019 | 7.30 | 1,949 | 25.8 | 5.94 | 130 |
| | 4-Dec-2018 | 7.56 | 1,918 | 23.8 | 6.18 | 156 |
| | 22-Aug-2018 | 7.78 | 1,915 | 27.1 | 7.15 | 67 |
| | 30-May-2018 | 6.89 | 1,921 | 27.7 | 6.91 | 173 |
| | 19-Feb-2018 | 7.31 | 1,997 | 26.9 | 7.60 | 135 |
| | 4-Dec-2017 | 7.26 | 1,864 | 25.4 | 7.49 | 170 |
| | 23-Aug-2017 | 7.23 | 1,888 | 23.2 | 6.11 | 70 |
| | 2-Jun-2017 | 7.20 | 1,974 | 27.4 | 5.74 | 112.3 |
| | 3-Mar-2017 | 7.20 | 2,118 | 26.55 | 3.61 | 251.2 |
| | 29-Nov-2016 | 7.16 | 1,926 | 22.94 | 8.17 | 182.8 |
| | 1-Sep-2016 | 7.22 | 1,940 | 25.70 | 7.01 | NM |
| | 1-Jun-2016 | 7.29 | 1,868 | 24.19 | 6.63 | 46.6 |
| | 23-Feb-2016 | 7.37 | 1,732 | 17.26 | 6.38 | 182.1 |
| | 1-Dec-2015 | 7.49 | 1,892 | 24.59 | 5.89 | 140.5 |
| | 25-Aug-2015 | 7.37 | 2,112 | 28.24 | NM | 172.7 |
| 42-12* | 16-Aug-2023 | 7.27 | 1,757 | 30.2 | 1.34 | 115 |
| | 11-May-2023 | 7.28 | 1,762 | 26.4 | 1.30 | 150 |
| | 14-Feb-2023 | 7.29 | 1,805 | 28.6 | 1.31 | 34 |
| | 1-Nov-2022 | 7.41 | 1,812 | 26.10 | 1.31 | -166 |
| | 11-Aug-2022 | 7.54 | 1,808 | 29.5 | 1.30 | 145 |
| | 11-May-2022 | 7.56 | 1,822 | 31.0 | 1.31 | 154 |
| | 17-Feb-2022 | 7.51 | 1,820 | 28.6 | 1.31 | 144 |
| | 9-Nov-2021 | 7.41 | 1,826 | 30.2 | 1.31 | 217 |
| | 12-Aug-2021 | 7.38 | 1,826 | 31.4 | 1.28 | 97 |
| | 12-May-2021 | 7.43 | 1,837 | 29.2 | 1.32 | 144 |
| | 17-Feb-2021 | 7.39 | 1,819 | 28.6 | 1.29 | 72 |
| | 13-Nov-2020 | 7.55 | 1,830 | 26.8 | 1.34 | 259 |
| | 19-Aug-2020 | 7.58 | 1,910 | 30.7 | 1.35 | 191 |
| | 22-May-2020 | 7.39 | 1,918 | 30.5 | 1.38 | 173 |
| | 12-Feb-2020 | 7.65 | 1,850 | 27.7 | 5.06 | 138 |
| | 25-Nov-2019 | 7.21 | 1,866 | 28.4 | 7.58 | 184 |
| | 19-Aug-2019 | 7.47 | 1,940 | 25.1 | 5.14 | 136 |
| | 30-May-2019 | 7.38 | 1,940 | 25.7 | 6.10 | 270 |
| | 6-Mar-2019 | 7.23 | 1,988 | 28.7 | 6.57 | 127 |
| | 4-Dec-2018 | 7.25 | 1,972 | 22.8 | 6.61 | 183 |
| | 22-Aug-2018 | 7.50 | 1,945 | 26.9 | 6.39 | 182 |
| | 30-May-2018 | 7.23 | 2,034 | 28.5 | 6.75 | 163 |
| | 19-Feb-2018 | 7.31 | 2,046 | 25.8 | 7.02 | 149 |
| | 4-Dec-2017 | 8.25 | 1,900 | 27.1 | 7.24 | 159 |
| | 23-Aug-2017 | 7.50 | 1,888 | 26.4 | 5.48 | 111 |
| | 2-Jun-2017 | 7.31 | 2,164 | 29.07 | 6.05 | 115.4 |
| | 6-Mar-2017 | 7.45 | 2,239 | 27.71 | 4.58 | 240.2 |
| | 29-Nov-2016 | 7.19 | 2,148 | 24.24 | 11.03 | 226.7 |
| | 1-Sep-2016 | 7.15 | 2,060 | 25.70 | 6.83 | NM |
| | 1-Jun-2016 | 7.24 | 2,039 | 27.54 | 5.66 | 78.6 |
| | 23-Feb-2016 | 7.13 | 1,980 | 23.55 | 7.13 | 212.0 |
| | 1-Dec-2015 | 7.73 | 1,893 | 22.11 | 7.43 | 149.0 |
| | 25-Aug-2015 | 7.33 | 2,204 | 28.36 | NM | 201.8 |

**TABLE 2. SUMMARY OF MONITORING WELL GROUNDWATER FIELD PARAMETERS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | pH | SpC (uS/cm) | Temp (°C) | DO (mg/L) | ORP (mV) |
|---|---|---|---|---|---|---|
| 42-13* | 11-Aug-2023 | 7.20 | 5,072 | 28.1 | 2.91 | 110 |
| | 9-May-2023 | 7.29 | 4,524 | 24.1 | 2.62 | 112 |
| | 10-Feb-2023 | 7.21 | 5,134 | 25.2 | 2.05 | 111 |
| | 9-Nov-2022 | 7.25 | 5,108 | 24.60 | 2.09 | 281.0 |
| | 10-Aug-2022 | 7.25 | 5,113 | 26.3 | 2.19 | 316 |
| | 10-May-2022 | 7.22 | 5,340 | 27.0 | 2.78 | 150 |
| | 16-Feb-2022 | 7.29 | 5,211 | 23.1 | 1.25 | 161 |
| | 8-Nov-2021 | 7.41 | 5,080 | 23.1 | 2.35 | 232 |
| | 11-Aug-2021 | 7.14 | 5,186 | 23.5 | 2.32 | 115 |
| | 11-May-2021 | 7.51 | 5,254 | 23.0 | 2.11 | 125 |
| | 17-Feb-2021 | 7.63 | 5,399 | 21.6 | 2.33 | 107 |
| | 16-Nov-2020 | 7.38 | 5,398 | 22.9 | 1.44 | 89 |
| | 18-Aug-2020 | 7.15 | 5,591 | 22.9 | 1.19 | 185 |
| | 22-May-2020 | 7.61 | 5,551 | 21.8 | 1.88 | 193 |
| | 11-Feb-2020 | 7.63 | 5,220 | 21.2 | 1.65 | 172 |
| | 22-Nov-2019 | 6.47 | 5,257 | 22.4 | 3.59 | 224 |
| | 16-Aug-2019 | Dry/Water Level Below Pump | | | | |
| | 29-May-2019 | Dry/Water Level Below Pump | | | | |
| | 6-Mar-2019 | 7.32 | 4,217 | 20.0 | 4.43 | 156 |
| | 4-Dec-2018 | Dry/Water Level Below Pump | | | | |
| | 22-Aug-2018 | 7.27 | 5,419 | 25.2 | 5.38 | 10.0 |
| | 29-May-2018 | 7.12 | 5,395 | 22.2 | 5.29 | 151 |
| | 21-Feb-2018 | 7.47 | 5,452 | 21.1 | 5.65 | 156 |
| | 1-Dec-2017 | 7.14 | 5,320 | 21.1 | 2.65 | 176 |
| | 23-Aug-2017 | Pump Not Operational | | | | |
| | 2-Jun-2017 | Pump Not Operational | | | | |
| | 6-Mar-2017 | 7.71 | 5,085 | 20.57 | 5.42 | 286.3 |
| | 28-Nov-2016 | 7.11 | 4,947 | 19.98 | NM | 163.7 |
| | 31-Aug-2016 | Pump Not Operational | | | | |
| | 1-Jun-2016 | Pump Not Operational | | | | |
| | 23-Feb-2016 | Dry/Water Level Below Pump | | | | |
| | 1-Dec-2015 | Dry/Water Level Below Pump | | | | |
| | 26-Aug-2015 | 7.09 | 5,190 | 25.31 | NM | 221.7 |

**TABLE 2. SUMMARY OF MONITORING WELL GROUNDWATER FIELD PARAMETERS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | pH | SpC (uS/cm) | Temp (°C) | DO (mg/L) | ORP (mV) |
|---|---|---|---|---|---|---|
| **Dominguez Dairy** | | | | | | |
| 624-01 | 17-Aug-2023 | 7.20 | 4,308 | 22.0 | 2.70 | 141 |
| | 12-May-2023 | 7.23 | 4,321 | 21.2 | 1.31 | 157 |
| | 16-Feb-2023 | 7.26 | 4,350 | 19.3 | 2.25 | 183 |
| | 11-Nov-2022 | 7.25 | 4,482 | 20.2 | 2.38 | 193 |
| | 12-Aug-2022 | 7.21 | 4,375 | 21.2 | 2.32 | 188 |
| | 12-May-2022 | 7.41 | 4,117 | 21.2 | 1.35 | 217 |
| | 18-Feb-2022 | 7.54 | 3,690 | 22.0 | 2.65 | 170 |
| | 10-Nov-2021 | 7.71 | 3,540 | 22.2 | 2.60 | 153 |
| | 13-Aug-2021 | 7.80 | 4,030 | 22.1 | 2.89 | 116 |
| | 14-May-2021 | 7.58 | 3,184 | 22.0 | 2.39 | 161 |
| | 18-Feb-2021 | 7.70 | 3,015 | 21.8 | 2.31 | 141 |
| | 13-Nov-2020 | 7.19 | 3,126 | 20.6 | 2.39 | 212 |
| | 17-Aug-2020 | 7.43 | 3,129 | 22.6 | 2.36 | 197 |
| | 15-May-2020 | 7.03 | 3,468 | 22.2 | NM | 162 |
| | 12-Feb-2020 | 7.35 | 3,009 | 19.3 | 2.20 | 101 |
| | 15-Nov-2019 | 6.68 | 3,415 | 21.1 | 2.44 | 149 |
| | 13-Aug-2019 | 7.00 | 3,849 | 22.1 | 2.84 | 83 |
| | 20-May-2019 | 6.48 | 4,521 | 21.1 | 3.48 | 162 |
| | 28-Feb-2019 | 7.09 | 4,459 | 20.7 | 2.40 | 167 |
| | 20-Nov-2018 | 7.20 | 3,459 | 21.3 | 2.74 | 116 |
| | 29-Aug-2018 | 6.96 | 4,521 | 21.4 | 1.60 | 191 |
| | 22-May-2018 | 6.68 | 5,126 | 20.2 | 2.11 | 132 |
| | 14-Feb-2018 | 7.15 | 4,830 | 20.8 | 4.37 | 161 |
| | 14-Nov-2017 | 6.90 | 4,923 | 19.9 | 5.64 | 59 |
| | 15-Aug-2017 | 7.13 | 5,031 | 22.4 | 5.61 | 162 |
| | 23-May-2017 | 6.78 | 4,965 | 21.07 | 2.76 | 169 |
| | 22-Feb-2017 | 7.11 | 4,816 | 21.23 | 6.17 | 224.3 |
| | 14-Nov-2016 | 7.27 | 4,854 | 20.71 | 4.96 | 158.3 |
| | 19-Aug-2016 | 7.15 | 4,500 | 20.81 | 4.57 | 34.7 |
| | 19-May-2016 | 6.92 | 4,002 | 21.11 | 5.50 | 86.6 |
| | 16-Feb-2016 | 6.64 | 3,664 | 21.47 | 5.88 | 184.6 |
| | 10-Nov-2015 | 7.20 | 4,741 | 20.20 | 3.83 | 181.7 |
| | 7-Aug-2015 | 6.96 | 4,585 | 21.49 | 2.59 | 3.8 |

**TABLE 2. SUMMARY OF MONITORING WELL GROUNDWATER FIELD PARAMETERS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | pH | SpC (uS/cm) | Temp (°C) | DO (mg/L) | ORP (mV) |
|---|---|---|---|---|---|---|
| 624-02 | 17-Aug-2023 | 7.23 | 4,680 | 23.5 | 2.19 | 167 |
| | 12-May-2023 | 7.39 | 4,222 | 20.7 | 2.82 | 107 |
| | 16-Feb-2023 | 7.39 | 4,208 | 20.1 | 2.18 | 190 |
| | 11-Nov-2022 | 7.22 | 4,278 | 20.10 | 2.70 | 207.0 |
| | 12-Aug-2022 | 7.29 | 4,885 | 23.0 | 2.73 | 160 |
| | 12-May-2022 | 7.40 | 5,113 | 20.3 | 2.40 | 202 |
| | 18-Feb-2022 | 7.48 | 4,811 | 19.5 | 2.73 | 162 |
| | 11-Nov-2021 | 7.76 | 3,640 | 20.3 | 2.69 | 168 |
| | 13-Aug-2021 | 7.77 | 3,655 | 21.2 | 2.63 | 116 |
| | 14-May-2021 | 7.90 | 3,605 | 20.9 | 2.74 | 199 |
| | 19-Feb-2021 | 7.50 | 3,668 | 19.5 | 2.82 | 130 |
| | 12-Nov-2020 | 7.67 | 3,335 | 21.8 | 2.76 | 129 |
| | 17-Aug-2020 | 7.45 | 3,620 | 22.3 | 2.09 | 155 |
| | 15-May-2020 | 7.37 | 3,500 | 20.9 | 2.08 | 161 |
| | 12-Feb-2020 | 7.36 | 3,206 | 19.8 | 3.12 | 126 |
| | 15-Nov-2019 | 6.52 | 3,629 | 20.0 | 1.70 | 134 |
| | 13-Aug-2019 | 6.81 | 4,463 | 20.6 | 1.33 | 118 |
| | 20-May-2019 | 6.35 | 4,262 | 20.2 | 4.11 | 153 |
| | 28-Feb-2019 | 6.90 | 4,017 | 19.8 | 2.58 | 172 |
| | 20-Nov-2018 | 7.04 | 4,619 | 19.3 | 2.66 | 131 |
| | 28-Aug-2018 | 6.99 | 4,248 | 21.8 | 1.34 | 178 |
| | 22-May-2018 | 6.76 | 4,955 | 20.0 | 1.67 | 105 |
| | 14-Feb-2018 | 7.06 | 4,335 | 20.8 | 2.31 | 149 |
| | 14-Nov-2017 | 6.74 | 4,248 | 19.9 | 2.80 | 102 |
| | 15-Aug-2017 | 7.08 | 4,563 | 20.4 | 2.95 | 138 |
| | 23-May-2017 | 6.61 | 4,368 | 20.39 | 2.41 | 149.1 |
| | 22-Feb-2017 | 7.03 | 4,238 | 19.96 | 4.31 | 223.1 |
| | 14-Nov-2016 | 7.28 | 4,135 | 20.04 | 1.86 | 89.4 |
| | 19-Aug-2016 | 7.15 | 3,695 | 19.11 | 1.37 | 32.5 |
| | 19-May-2016 | 6.81 | 4,410 | 19.92 | 2.07 | 73.1 |
| | 16-Feb-2016 | 6.34 | 3,845 | 20.28 | 1.52 | 189.2 |
| | 10-Nov-2015 | 7.20 | 3,548 | 18.15 | 1.69 | 90.4 |
| | 7-Aug-2015 | 7.07 | 4,158 | 22.03 | 1.94 | 74.8 |
| 624-04 | 28-Jan-2020 | Plugged and Abandoned | | | | |
| | 15-Nov-2019 | Dry | | | | |
| | 13-Aug-2019 | Dry | | | | |
| | 20-May-2019 | Dry | | | | |
| | 28-Feb-2019 | Dry | | | | |
| | 20-Nov-2018 | Dry | | | | |
| | 29-Aug-2018 | Dry | | | | |
| | 22-May-2018 | Dry | | | | |
| | 14-Feb-2018 | Dry | | | | |
| | 14-Nov-2017 | Dry | | | | |
| | 15-Aug-2017 | Dry | | | | |
| | 23-May-2017 | Dry | | | | |
| | 22-Feb-2017 | Dry | | | | |
| | 14-Nov-2016 | Dry | | | | |
| | 19-Aug-2016 | Dry | | | | |
| | 19-May-2016 | Dry | | | | |
| | 16-Feb-2016 | Dry | | | | |
| | 10-Nov-2015 | Dry | | | | |
| | 7-Aug-2015 | Dry | | | | |

**TABLE 2. SUMMARY OF MONITORING WELL GROUNDWATER FIELD PARAMETERS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | pH | SpC (uS/cm) | Temp (°C) | DO (mg/L) | ORP (mV) |
|---|---|---|---|---|---|---|
| 624-05 | 28-Jan-2020 | Plugged and Abandoned | | | | |
| | 15-Nov-2019 | 6.85 | 2,962 | 21.2 | 3.12 | 137 |
| | 13-Aug-2019 | 7.45 | 3,044 | 24.4 | 2.96 | 97 |
| | 16-May-2019 | 7.66 | 2,901 | 21.5 | 3.07 | 83 |
| | 28-Feb-2019 | 7.80 | 2,931 | 18.5 | 3.45 | 158 |
| | 20-Nov-2018 | Dry | | | | |
| | 29-Aug-2018 | Dry | | | | |
| | 22-May-2018 | Dry | | | | |
| | 14-Feb-2018 | Dry | | | | |
| | 14-Nov-2017 | Dry | | | | |
| | 15-Aug-2017 | Dry | | | | |
| | 23-May-2017 | Dry | | | | |
| | 22-Feb-2017 | Dry | | | | |
| | 14-Nov-2016 | Dry | | | | |
| | 19-Aug-2016 | Dry | | | | |
| | 19-May-2016 | Dry | | | | |
| | 16-Feb-2016 | Dry | | | | |
| | 10-Nov-2015 | Dry | | | | |
| | 7-Aug-2015 | Dry | | | | |
| 624-06 | 28-Jan-2020 | Plugged and Abandoned | | | | |
| | 15-Nov-2019 | Dry | | | | |
| | 13-Aug-2019 | Dry | | | | |
| | 20-May-2019 | Dry | | | | |
| | 28-Feb-2019 | Dry | | | | |
| | 20-Nov-2018 | Dry | | | | |
| | 29-Aug-2018 | Dry | | | | |
| | 22-May-2018 | Dry | | | | |
| | 14-Feb-2018 | Dry | | | | |
| | 14-Nov-2017 | Dry | | | | |
| | 15-Aug-2017 | Dry | | | | |
| | 23-May-2017 | Dry | | | | |
| | 22-Feb-2017 | Dry | | | | |
| | 14-Nov-2016 | Dry | | | | |
| | 19-Aug-2016 | Dry | | | | |
| | 19-May-2016 | Dry | | | | |
| | 16-Feb-2016 | Dry | | | | |
| | 10-Nov-2015 | Dry | | | | |
| | 7-Aug-2015 | Dry | | | | |
| 624-07 | 28-Jan-2020 | Plugged and Abandoned | | | | |
| | 15-Nov-2019 | Dry | | | | |
| | 13-Aug-2019 | Dry | | | | |
| | 20-May-2019 | Dry | | | | |
| | 28-Feb-2019 | Dry | | | | |
| | 20-Nov-2018 | Dry | | | | |
| | 29-Aug-2018 | Dry | | | | |
| | 22-May-2018 | Dry | | | | |
| | 14-Feb-2018 | Dry | | | | |
| | 14-Nov-2017 | Dry | | | | |
| | 15-Aug-2017 | Insufficient Water-Parameters Not Collected | | | | |
| | 23-May-2017 | Insufficient Water-Parameters Not Collected | | | | |
| | 22-Feb-2017 | Insufficient Water-Parameters Not Collected | | | | |
| | 14-Nov-2016 | Insufficient Water-Parameters Not Collected | | | | |
| | 19-Aug-2016 | Insufficient Water-Parameters Not Collected | | | | |
| | 19-May-2016 | Insufficient Water-Parameters Not Collected | | | | |
| | 16-Feb-2016 | Dry | | | | |
| | 10-Nov-2015 | Insufficient Water-Parameters Not Collected | | | | |
| | 7-Aug-2015 | Insufficient Water-Parameters Not Collected | | | | |

**TABLE 2. SUMMARY OF MONITORING WELL GROUNDWATER FIELD PARAMETERS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | pH | SpC (uS/cm) | Temp (°C) | DO (mg/L) | ORP (mV) |
|---|---|---|---|---|---|---|
| 624-08 | 28-Jan-2020 | Plugged and Abandoned | | | | |
| | 15-Nov-2019 | Dry | | | | |
| | 13-Aug-2019 | Dry | | | | |
| | 16-May-2019 | Dry | | | | |
| | 28-Feb-2019 | Dry | | | | |
| | 20-Nov-2018 | Dry | | | | |
| | 29-Aug-2018 | Dry | | | | |
| | 22-May-2018 | Dry | | | | |
| | 14-Feb-2018 | Dry | | | | |
| | 14-Nov-2017 | Dry | | | | |
| | 15-Aug-2017 | Dry | | | | |
| | 23-May-2017 | Dry | | | | |
| | 22-Feb-2017 | Dry | | | | |
| | 14-Nov-2016 | Dry | | | | |
| | 19-Aug-2016 | Dry | | | | |
| | 19-May-2016 | Dry | | | | |
| | 16-Feb-2016 | Dry | | | | |
| | 10-Nov-2015 | Dry | | | | |
| | 7-Aug-2015 | Dry | | | | |
| 624-09 | 16-Aug-2023 | 7.38 | 2,226 | 22.9 | 1.75 | 103 |
| | 11-May-2023 | 7.27 | 2,273 | 21.0 | 1.70 | 56 |
| | 16-Feb-2023 | 7.22 | 1,807 | 19.2 | 1.37 | 152 |
| | 14-Nov-2022 | 7.26 | 1,593 | 20.1 | 1.17 | 167 |
| | 15-Aug-2022 | 7.19 | 1,791 | 21.4 | 1.36 | 126 |
| | 13-May-2022 | 7.25 | 2,744 | 20.5 | 2.22 | 197 |
| | 18-Feb-2022 | 7.79 | 2,804 | 19.9 | 2.16 | 116 |
| | 10-Nov-2021 | 7.18 | 3,050 | 20.1 | 2.44 | 253 |
| | 12-Aug-2021 | 7.75 | 3,110 | 22.9 | 2.27 | 115 |
| | 12-May-2021 | 7.67 | 3,562 | 20.8 | 2.89 | 138 |
| | 19-Feb-2021 | 7.82 | 4,212 | 20.1 | 2.54 | 128 |
| | 13-Nov-2020 | 7.41 | 2,315 | 21.2 | 1.66 | 169 |
| | 17-Aug-2020 | 7.66 | 2,935 | 23.9 | 2.15 | 155 |
| | 14-May-2020 | 7.63 | 2,829 | 21.9 | 2.91 | 103 |
| | 13-Feb-2020 | 7.70 | 3,180 | 19.3 | 2.93 | 183 |
| 624-10 | 16-Aug-2023 | 7.28 | 4,310 | 19.7 | 2.11 | 236 |
| | 11-May-2023 | 7.33 | 4,581 | 19.4 | 1.43 | 77 |
| | 16-Feb-2023 | 7.25 | 4,138 | 18.1 | 2.71 | 128 |
| | 14-Nov-2022 | 7.25 | 4,086 | 18.8 | 1.42 | 174 |
| | 12-Aug-2022 | 7.33 | 3,866 | 21.0 | 2.94 | 168 |
| | 12-May-2022 | 7.69 | 3,577 | 19.6 | 2.70 | 152 |
| | 18-Feb-2022 | 7.61 | 3,296 | 19.7 | 2.51 | 142 |
| | 10-Nov-2021 | 7.62 | 3,398 | 18.9 | 2.56 | 197 |
| | 12-Aug-2021 | 7.83 | 3,111 | 21.3 | 2.14 | 106 |
| | 12-May-2021 | 7.47 | 3,300 | 19.9 | 2.44 | 162 |
| | 19-Feb-2021 | 7.64 | 4,022 | 18.9 | 2.92 | 128 |
| | 13-Nov-2020 | 7.20 | 3,573 | 19.5 | 2.56 | 179 |
| | 17-Aug-2020 | 7.64 | 3,500 | 23.5 | 2.40 | 138 |
| | 14-May-2020 | 7.89 | 3,883 | 21.3 | 2.85 | 93 |
| | 13-Feb-2020 | 8.03 | 3,913 | 18.4 | 2.66 | 102 |
| 624-11 | 17-Aug-2023 | 7.26 | 6,504 | 23.3 | 1.71 | 138 |
| | 12-May-2023 | 7.19 | 5,738 | 21.7 | 2.55 | 154 |
| | 17-Feb-2023 | 7.23 | 5,619 | 20.0 | 1.19 | 196 |
| | 11-Nov-2022 | 7.18 | 5,667 | 20.9 | 2.52 | 198 |
| | 12-Aug-2022 | 7.23 | 5,276 | 22.1 | 1.34 | 202 |
| | 12-May-2022 | 7.19 | 5,246 | 21.1 | 1.74 | 193 |
| | 18-Feb-2022 | 7.18 | 5,195 | 20.6 | 1.54 | 202 |
| | 11-Nov-2021 | 7.66 | 5,245 | 21.3 | 2.10 | 238 |
| | 13-Aug-2021 | 7.73 | 5,233 | 22.3 | 1.79 | 87 |
| | 14-May-2021 | 7.42 | 5,386 | 22.3 | 2.31 | 203 |
| | 19-Feb-2021 | 7.27 | 5,296 | 19.7 | 2.50 | 200 |
| | 12-Nov-2020 | 7.52 | 5,160 | 21.5 | 1.94 | 119 |
| | 17-Aug-2020 | 7.72 | 5,404 | 22.9 | 2.21 | 205 |
| | 15-May-2020 | 7.59 | 5,467 | 22.2 | 2.12 | 195 |
| | 13-Feb-2020 | 7.49 | 4,506 | 20.3 | 1.69 | 102 |

**TABLE 2. SUMMARY OF MONITORING WELL GROUNDWATER FIELD PARAMETERS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | pH | SpC (uS/cm) | Temp (°C) | DO (mg/L) | ORP (mV) |
|---|---|---|---|---|---|---|
| **Gonzalez Dairy** | | | | | | |
| 177-01 | 13-Feb-2020 | 7.43 | 6,345 | 19.5 | 1.81 | 121 |
| | 19-Nov-2019 | 6.68 | 6,420 | 19.7 | 1.25 | 140 |
| | 7-Aug-2019 | 7.00 | 6,771 | 20.4 | NM | 212 |
| | 20-May-2019 | 6.38 | 6,638 | 19.1 | 2.36 | 154 |
| | 27-Feb-2019 | 7.09 | 6,752 | 19.7 | 2.52 | 154 |
| | 15-Nov-2018 | 7.02 | 6,711 | 20.9 | 2.29 | 168 |
| | 21-Aug-2018 | 7.28 | 6,633 | 21.7 | 2.11 | 158 |
| | 22-May-2018 | 6.83 | 6,675 | 19.4 | 1.87 | 124 |
| | 14-Feb-2018 | 7.33 | 6,700 | 20.7 | 2.19 | 146 |
| | 10-Nov-2017 | 6.88 | 6,663 | 21.1 | 1.23 | 108 |
| | 14-Aug-2017 | 7.21 | 6,694 | 21.3 | 4.55 | 91 |
| | 22-May-2017 | 6.73 | 5,875 | 19.44 | 1.96 | 180.2 |
| | 22-Feb-2017 | 7.26 | 6,219 | 20.08 | 3.20 | 127.7 |
| | 10-Nov-2016 | 7.40 | 6,333 | 20.48 | 1.88 | 137.7 |
| | 23-Aug-2016 | 7.08 | 6,380 | 20.41 | 0.91 | 34.7 |
| | 20-May-2016 | 7.15 | 5,537 | 19.13 | 2.48 | 69.6 |
| | 11-Feb-2016 | 7.33 | 5,715 | 19.50 | 2.90 | 264.0 |
| | 11-Nov-2015 | 7.32 | 5,790 | 20.81 | 1.56 | 188.9 |
| | 21-Aug-2015 | 7.05 | 6,118 | 20.90 | NM | 242.7 |
| 177-02 | 13-Feb-2020 | 7.87 | 3,271 | 19.7 | 2.20 | 100 |
| | 19-Nov-2019 | 7.05 | 3,204 | 19.8 | 0.79 | 104 |
| | 7-Aug-2019 | 7.55 | 2,142 | 20.7 | NM | 212 |
| | 20-May-2019 | 6.90 | 2,317 | 18.3 | 1.89 | 103 |
| | 27-Feb-2019 | 7.63 | 2,151 | 19.6 | 2.22 | 125 |
| | 15-Nov-2018 | 7.22 | 2,221 | 21.2 | 1.93 | 144 |
| | 21-Aug-2018 | 7.56 | 2,966 | 22.6 | 2.29 | 150 |
| | 22-May-2018 | 7.29 | 2,271 | 21.8 | 2.66 | 115 |
| | 14-Feb-2018 | 7.58 | 2,460 | 20.6 | 3.14 | 146 |
| | 10-Nov-2017 | 7.49 | 2,502 | 21.6 | 5.05 | 80 |
| | 14-Aug-2017 | 7.34 | 4,958 | 22.3 | 5.82 | 135 |
| | 22-May-2017 | 6.94 | 4,402 | 19.77 | 3.23 | 153.1 |
| | 22-Feb-2017 | 7.35 | 4,425 | 20.32 | 6.18 | 220.9 |
| | 10-Nov-2016 | 7.50 | 4,378 | 21.41 | 2.38 | 122.6 |
| | 23-Aug-2016 | 7.16 | 4,406 | 21.91 | 3.99 | 33.8 |
| | 20-May-2016 | 7.21 | 3,605 | 19.22 | 6.30 | 86.5 |
| | 11-Feb-2016 | 7.40 | 4,032 | 19.78 | 5.57 | 227.6 |
| | 11-Nov-2015 | 7.36 | 3,964 | 21.15 | 3.82 | 109.3 |
| | 21-Aug-2015 | 7.11 | 4,229 | 21.80 | NM | 254.6 |
| 177-03A | 13-Feb-2020 | 7.34 | 3,645 | 21.7 | 2.45 | 109 |
| | 19-Nov-2019 | 6.40 | 3,577 | 21.7 | 0.76 | 178 |
| | 13-Aug-2019 | 7.00 | 4,324 | 22.3 | 1.80 | 192 |
| | 20-May-2019 | 6.45 | 3,895 | 21.6 | 1.45 | 114 |
| | 27-Feb-2019 | 6.86 | 3,989 | 21.9 | 2.13 | 153 |
| | 20-Nov-2018 | 6.91 | 4,114 | 22.5 | 2.75 | 130 |
| | 21-Aug-2018 | 7.60 | 2,728 | 26.0 | 1.64 | 186 |
| | 22-May-2018 | 6.66 | 3,879 | 23.6 | 1.74 | 105 |
| | 15-Feb-2018 | 7.17 | 2,854 | 23.5 | 1.91 | 148 |
| | 10-Nov-2017 | 7.07 | 2,853 | 21.3 | 3.35 | 91 |
| | 15-Aug-2017 | 7.32 | 3,534 | 22.7 | 4.16 | 106 |
| | 22-May-2017 | 6.86 | 3,511 | 21.94 | 2.90 | 151.3 |
| | 23-Feb-2017 | 7.27 | 3,927 | 21.19 | 5.41 | 172.5 |
| | 11-Nov-2016 | 7.39 | 3,899 | 21.50 | 4.63 | 125.1 |
| | 24-Aug-2016 | 6.95 | 5,686 | 21.47 | 1.31 | 26.0 |
| | 20-May-2016 | 7.21 | 3,127 | 21.65 | 3.55 | 74.0 |
| | 11-Feb-2016 | 7.14 | 6,048 | 21.69 | 3.47 | 277.7 |
| | 11-Nov-2015 | 7.27 | 3,964 | 20.69 | 1.89 | 218.1 |
| | 21-Aug-2015 | 7.08 | 3,100 | 22.50 | NM | 227.6 |

**TABLE 2. SUMMARY OF MONITORING WELL GROUNDWATER FIELD PARAMETERS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | pH | SpC (uS/cm) | Temp (°C) | DO (mg/L) | ORP (mV) |
|---|---|---|---|---|---|---|
| 177-04 | 13-Feb-2020 | 7.62 | 4,610 | 21.3 | 1.52 | 122 |
| | 19-Nov-2019 | 6.74 | 4,632 | 21.4 | 2.86 | 180 |
| | 13-Aug-2019 | 7.01 | 4,987 | 22.0 | 1.50 | 159 |
| | 20-May-2019 | 6.61 | 4,952 | 21.6 | 4.11 | 232 |
| | 27-Feb-2019 | 6.98 | 5,164 | 22.2 | 2.61 | 154 |
| | 20-Nov-2018 | 6.99 | 5,291 | 19.9 | 2.09 | 130 |
| | 21-Aug-2018 | 7.58 | 5,135 | 23.8 | 1.88 | 166 |
| | 22-May-2018 | 7.01 | 5,439 | 23.0 | 1.48 | 127 |
| | 15-Feb-2018 | 7.35 | 5,528 | 21.3 | 1.65 | 150 |
| | 10-Nov-2017 | 7.10 | 5,622 | 21.2 | 2.19 | 69 |
| | 16-Aug-2017 | 7.11 | 5,919 | 21.6 | 4.68 | 162 |
| | 22-May-2017 | 6.69 | 5,762 | 21.69 | 2.82 | 162.5 |
| | 23-Feb-2017 | 7.24 | 5,668 | 20.82 | 2.29 | 183.4 |
| | 10-Nov-2016 | 7.40 | 6,333 | 20.48 | 1.88 | 137.7 |
| | 24-Aug-2016 | 7.02 | 6,238 | 21.68 | 1.02 | 31.1 |
| | 23-May-2016 | 7.21 | 5,536 | 21.48 | 4.08 | 62.3 |
| | 11-Feb-2016 | 7.13 | 6,020 | 21.01 | 3.80 | 210.9 |
| | 11-Nov-2015 | 7.39 | 5,889 | 26.93 | 1.61 | 227.1 |
| | 21-Aug-2015 | 6.96 | 6,091 | 21.70 | NM | 226.8 |
| 177-05 | 13-Feb-2020 | 7.35 | 5,688 | 20.9 | 1.73 | 131 |
| | 19-Nov-2019 | 6.71 | 5,904 | 22.2 | 6.32 | 246 |
| | 13-Aug-2019 | 7.01 | 6,519 | 22.3 | 1.12 | 67 |
| | 20-May-2019 | 6.76 | 6,249 | 22.0 | 4.25 | 247 |
| | 27-Feb-2019 | 7.07 | 6,088 | 21.6 | 2.09 | 164 |
| | 20-Nov-2018 | 6.96 | 6,217 | 21.4 | 2.50 | 133 |
| | 21-Aug-2018 | 7.51 | 6,361 | 24.2 | 2.17 | 157 |
| | 22-May-2018 | 7.01 | 6,496 | 22.0 | 1.88 | 116 |
| | 15-Feb-2018 | 7.23 | 6,687 | 21.5 | 3.17 | 139 |
| | 10-Nov-2017 | 6.89 | 6,601 | 21.5 | 3.01 | 110 |
| | 15-Aug-2017 | 7.12 | 6,859 | 21.9 | 5.42 | 143 |
| | 22-May-2017 | 6.70 | 6,302 | 21.06 | 2.27 | 161.5 |
| | 23-Feb-2017 | 7.44 | 5,640 | 21.14 | 4.19 | 208.8 |
| | 11-Nov-2016 | 7.24 | 5,833 | 21.20 | 3.99 | 109.0 |
| | 24-Aug-2016 | 7.02 | 5,759 | 20.89 | 2.90 | 35.1 |
| | 20-May-2016 | 7.09 | 5,411 | 20.88 | 3.46 | 98.7 |
| | 11-Feb-2016 | 7.27 | 4,910 | 20.54 | 3.48 | 202.9 |
| | 11-Nov-2015 | 7.45 | 5,241 | 18.92 | 3.84 | 151.4 |
| | 21-Aug-2015 | 7.17 | 5,662 | 21.50 | NM | 219.1 |
| 177-06 | 13-Feb-2020 | Dry Since Febuary 2020 | | | | |
| | 19-Nov-2019 | Dry | | | | |
| | 13-Aug-2019 | Dry | | | | |
| | 20-May-2019 | Dry | | | | |
| | 27-Feb-2019 | Dry | | | | |
| | 20-Nov-2018 | Dry | | | | |
| | 21-Aug-2018 | Dry | | | | |
| | 22-May-2018 | Dry | | | | |
| | 15-Feb-2018 | Dry | | | | |
| | 10-Nov-2017 | Dry | | | | |
| | 14-Aug-2017 | Dry | | | | |
| | 22-May-2017 | Dry | | | | |
| | 23-Feb-2017 | Dry | | | | |
| | 11-Nov-2016 | Dry | | | | |
| | 24-Aug-2016 | Dry | | | | |
| | 23-May-2016 | Dry | | | | |
| | 11-Feb-2016 | Dry | | | | |
| | 11-Nov-2015 | Dry | | | | |
| | 21-Aug-2015 | Dry | | | | |

**TABLE 2. SUMMARY OF MONITORING WELL GROUNDWATER FIELD PARAMETERS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | pH | SpC (uS/cm) | Temp (°C) | DO (mg/L) | ORP (mV) |
|---|---|---|---|---|---|---|
| 177-07R | 13-Feb-2020 | 7.58 | 4,327 | 21.0 | 1.22 | 107 |
| | 19-Nov-2019 | 6.73 | 4,360 | 21.4 | 1.47 | 193 |
| | 7-Aug-2019 | 7.11 | 4,709 | 22.8 | NM | 234 |
| | 20-May-2019 | 6.66 | 4,663 | 22.0 | 3.19 | 314 |
| | 27-Feb-2019 | 7.24 | 4,760 | 21.6 | 1.66 | 150 |
| | 20-Nov-2018 | 7.03 | 4,938 | 20.5 | 1.86 | 128 |
| | 21-Aug-2018 | 7.39 | 5,116 | 23.2 | 1.34 | 152 |
| | 22-May-2018 | 6.64 | 5,311 | 21.7 | 1.54 | 125 |
| | 14-Feb-2018 | 7.19 | 5,452 | 22.3 | 1.86 | 153 |
| | 10-Nov-2017 | 6.87 | 5,582 | 21.6 | 2.94 | 125 |
| | 14-Aug-2017 | 7.33 | 5,720 | 22.5 | 4.20 | 180 |
| | 22-May-2017 | 6.95 | 5,436 | 21.25 | 3.76 | 153.4 |
| | 23-Feb-2017 | 7.59 | 5,310 | 20.16 | 5.08 | 209.2 |
| | 11-Nov-2016 | 7.58 | 5,319 | 20.93 | 6.56 | 157.2 |
| | 23-Aug-2016 | 7.24 | 5,416 | 21.69 | 2.41 | 33.9 |
| | 23-May-2016 | 7.21 | 5,036 | 21.90 | 2.41 | 62.8 |
| | 11-Feb-2016 | 7.34 | 5,032 | 20.87 | 3.30 | 236.8 |
| | 11-Nov-2015 | 7.32 | 5,017 | 20.61 | 3.47 | 201.4 |
| | 21-Aug-2015 | 7.07 | 5,710 | 23.11 | NM | 250.2 |
| **CENTRAL AREA** | | | | | | |
| **Buena Vista Diary II** | | | | | | |
| 74-01 | 18-Aug-2023 | 7.25 | 4,405 | 23.7 | 2.07 | 92 |
| | 15-May-2023 | 7.24 | 4,671 | 22.7 | 1.73 | 133 |
| | 17-Feb-2023 | 7.38 | 4,630 | 20.8 | 2.02 | 141 |
| | 15-Nov-2022 | 7.26 | 4,687 | 20.0 | 2.86 | 164 |
| | 16-Aug-2022 | 7.24 | 4,661 | 22.7 | 2.66 | 154 |
| | 13-May-2022 | 7.43 | 4,548 | 22.7 | 2.80 | 156 |
| | 22-Feb-2022 | 7.60 | 4,515 | 23.5 | 2.84 | 132 |
| | 12-Nov-2021 | 7.20 | 4,776 | 22.4 | 2.04 | 62 |
| | 19-Aug-2021 | 7.39 | 5,141 | 26.2 | 2.38 | 103 |
| | 17-May-2021 | 7.29 | 5,475 | 23.1 | 2.90 | -181 |
| | 22-Feb-2021 | 7.52 | 6,000 | 22.1 | 2.69 | -214 |
| | 17-Nov-2020 | 7.29 | 9,629 | 22.3 | 1.15 | 98 |
| | 21-Aug-2020 | 7.28 | 4,543 | 23.2 | 1.43 | 206 |
| | 18-May-2020 | 7.34 | 5,599 | 23.8 | 2.35 | 114 |
| | 14-Feb-2020 | 7.85 | 5,729 | 19.8 | 2.13 | 127 |
| | 19-Nov-2019 | 6.71 | 6,110 | 22.9 | 5.08 | 192 |
| | 14-Aug-2019 | 7.34 | 4,632 | 22.4 | 1.10 | 171 |
| | 21-May-2019 | 6.60 | 4,802 | 22.0 | 2.08 | 304 |
| | 28-Feb-2019 | 7.36 | 4,943 | 22.2 | 1.34 | 162 |
| | 16-Nov-2018 | 7.15 | 6,129 | 21.4 | 1.11 | 172 |
| | 29-Aug-2018 | 7.21 | 5,860 | 22.3 | 1.49 | 197 |
| | 23-May-2018 | 6.97 | 4,912 | 22.9 | 1.66 | 138 |
| | 19-Feb-2018 | 7.59 | 5,408 | 21.4 | 2.10 | 154 |
| | 14-Nov-2017 | 7.05 | 5,148 | 21.9 | 2.31 | 135 |
| | 16-Aug-2017 | 7.46 | 5,622 | 22.6 | 2.91 | 182 |
| | 26-May-2017 | 6.76 | 4,253 | 21.77 | 2.40 | 144.9 |
| | 24-Feb-2017 | 7.46 | 4,517 | 20.58 | 1.94 | 187.8 |
| | 14-Nov-2016 | 7.48 | 5,369 | 21.87 | 1.43 | 141.5 |
| | 24-Aug-2016 | 7.22 | 5,633 | 21.78 | 1.92 | 30.9 |
| | 25-May-2016 | 7.20 | 4,355 | 21.89 | 2.02 | 106.5 |
| | 18-Feb-2016 | 7.28 | 4,147 | 21.21 | 1.64 | 365.1 |
| | 12-Nov-2015 | 7.26 | 3,836 | 20.15 | 1.06 | 210.6 |
| | 24-Aug-2015 | 7.37 | 4,959 | 22.17 | NM | 243.2 |

**TABLE 2. SUMMARY OF MONITORING WELL GROUNDWATER FIELD PARAMETERS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | pH | SpC (uS/cm) | Temp (°C) | DO (mg/L) | ORP (mV) |
|---|---|---|---|---|---|---|
| 74-02 | 18-Aug-2023 | 7.19 | 4,080 | 24.0 | 2.88 | 52 |
| | 12-May-2023 | 7.27 | 3,911 | 23.7 | 2.92 | 84 |
| | 17-Feb-2023 | 7.35 | 3,886 | 20.2 | 2.90 | 145 |
| | 14-Nov-2022 | 7.29 | 3,874 | 21.20 | 2.37 | -35.0 |
| | 15-Aug-2022 | 7.24 | 3,905 | 23.9 | 2.87 | 3 |
| | 13-May-2022 | 7.38 | 3,766 | 21.5 | 2.92 | 132 |
| | 22-Feb-2022 | 7.22 | 3,814 | 20.1 | 2.95 | 125 |
| | 11-Nov-2021 | 7.56 | 3,871 | 22.1 | 2.95 | -116 |
| | 19-Aug-2021 | 7.68 | 4,036 | 24.4 | 2.08 | -16 |
| | 14-May-2021 | 7.33 | 5,162 | 23.0 | 2.70 | 148 |
| | 22-Feb-2021 | 7.22 | 8,153 | 20.7 | 2.18 | -253 |
| | 17-Nov-2020 | 7.20 | 1,364 | 22.8 | 0.96 | 175 |
| | 21-Aug-2020 | 7.48 | 3,876 | 23.2 | 2.09 | 255 |
| | 15-May-2020 | 7.43 | 3,795 | 24.0 | NM | 137 |
| | 14-Feb-2020 | 7.43 | 3,780 | 20.0 | 3.14 | 126 |
| | 19-Nov-2019 | 6.82 | 4,182 | 22.5 | 8.73 | 223 |
| | 14-Aug-2019 | 7.10 | 3,666 | 22.2 | 1.36 | 271 |
| | 21-May-2019 | 6.90 | 3,723 | 20.2 | 2.19 | 313 |
| | 28-Feb-2019 | 7.36 | 3,730 | 20.9 | 1.81 | 158 |
| | 15-Nov-2018 | 7.19 | 3,611 | 22.5 | 2.13 | 167 |
| | 23-Aug-2018 | 7.80 | 3,478 | 22.9 | 1.98 | 118 |
| | 23-May-2018 | 6.97 | 3,709 | 21.2 | 3.17 | 129 |
| | 15-Feb-2018 | 7.66 | 3,569 | 20.6 | 3.62 | 136 |
| | 14-Nov-2017 | 6.97 | 3,517 | 22.4 | 2.27 | 132 |
| | 15-Aug-2017 | 7.32 | 3,427 | 22.3 | 5.21 | 122 |
| | 25-May-2017 | 6.85 | 3,630 | 21.72 | 3.06 | 133.3 |
| | 24-Feb-2017 | 7.43 | 3,688 | 20.88 | 6.47 | 216.4 |
| | 14-Nov-2016 | 7.54 | 3,788 | 22.07 | 3.76 | 92.6 |
| | 24-Aug-2016 | 7.10 | 3,884 | 21.90 | 1.83 | 30.9 |
| | 25-May-2016 | 7.20 | 3,408 | 20.47 | 2.39 | 92.2 |
| | 18-Feb-2016 | 7.60 | 3,995 | 21.01 | 3.82 | 398.5 |
| | 11-Nov-2015 | 7.32 | 3,315 | 21.76 | 0.90 | 194.9 |
| | 24-Aug-2015 | 7.22 | 3,377 | 21.48 | NM | 252.2 |
| 74-03 | 18-Aug-2023 | 7.22 | 2,066 | 23.1 | 1.60 | 125 |
| | 12-May-2023 | 7.32 | 2,493 | 22.0 | 1.88 | 91 |
| | 17-Feb-2023 | 7.30 | 2,660 | 20.2 | 2.10 | 163 |
| | 14-Nov-2022 | 7.42 | 2,296 | 22.40 | 1.76 | 167.0 |
| | 15-Aug-2022 | 7.22 | 2,087 | 24.8 | 1.56 | 274 |
| | 13-May-2022 | 7.33 | 2,064 | 21.2 | 1.53 | 196 |
| | 22-Feb-2022 | 7.20 | 2,187 | 21.3 | 1.59 | 174 |
| | 11-Nov-2021 | 7.84 | 2,271 | 23.0 | 1.69 | 109 |
| | 13-Aug-2021 | 7.70 | 2,265 | 23.9 | 1.67 | 97 |
| | 14-May-2021 | 7.80 | 2,299 | 22.4 | 1.77 | 81 |
| | 22-Feb-2021 | 7.90 | 2,323 | 21.3 | 1.76 | 149 |
| | 19-Aug-2020 | 7.72 | 2,451 | 26.4 | 1.77 | 91 |
| | 15-May-2020 | 7.51 | 2,429 | 23.9 | 1.77 | 139 |
| | 14-Feb-2020 | 7.71 | 2,221 | 19.3 | 3.89 | 138 |
| | 19-Nov-2019 | 7.02 | 2,260 | 23.5 | 10.10 | 232 |
| | 14-Aug-2019 | 7.45 | 2,331 | 22.4 | 1.18 | 192 |
| | 21-May-2019 | 7.08 | 2,335 | 20.4 | 2.50 | 288 |
| | 28-Feb-2019 | 7.54 | 2,309 | 21.4 | 2.31 | 148 |
| | 15-Nov-2018 | 7.40 | 2,636 | 23.2 | 2.66 | 150 |
| | 23-Aug-2018 | 7.35 | 2,883 | 23.4 | 3.11 | 129 |
| | 23-May-2018 | 7.61 | 3,186 | 21.4 | 3.84 | 136 |
| | 15-Feb-2018 | 7.61 | 3,316 | 20.9 | 4.13 | 141 |
| | 14-Nov-2017 | 7.48 | 3,464 | 23.5 | 3.76 | 139 |
| | 15-Aug-2017 | 7.54 | 3,447 | 23.5 | 3.91 | 148 |
| | 25-May-2017 | 6.84 | 3,826 | 21.27 | 1.92 | 142.5 |
| | 24-Feb-2017 | 7.59 | 3,770 | 20.67 | 4.64 | 134.8 |
| | 14-Nov-2016 | 7.60 | 3,886 | 23.01 | 2.64 | 96.4 |
| | 24-Aug-2016 | 7.19 | 4,189 | 22.91 | 1.02 | 27.2 |
| | 25-May-2016 | 7.21 | 3,828 | 20.39 | 3.47 | 100.9 |
| | 18-Feb-2016 | 7.38 | 4,067 | 20.10 | 2.79 | 597.0 |
| | 12-Nov-2015 | 7.36 | 4,868 | 20.28 | 1.11 | 233.4 |
| | 24-Aug-2015 | 7.24 | 5,541 | 22.39 | NM | 263.7 |

**TABLE 2. SUMMARY OF MONITORING WELL GROUNDWATER FIELD PARAMETERS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | pH | SpC (uS/cm) | Temp (°C) | DO (mg/L) | ORP (mV) |
|---|---|---|---|---|---|---|
| 74-04 | 21-Aug-2023 | 7.20 | 3,543 | 22.5 | 2.67 | 126 |
| | 15-May-2023 | 7.33 | 2,915 | 22.0 | 2.13 | 79 |
| | 21-Feb-2023 | 7.23 | 3,570 | 21.8 | 2.77 | 154 |
| | 14-Nov-2022 | 7.25 | 3,581 | 20.90 | 2.74 | 276.0 |
| | 16-Aug-2022 | 7.30 | 3,365 | 23.4 | 2.31 | 240 |
| | 16-May-2022 | 7.18 | 3,433 | 21.9 | 2.29 | 221 |
| | 23-Feb-2022 | 7.28 | 3,637 | 20.4 | 2.88 | 186 |
| | 12-Nov-2021 | 7.68 | 3,587 | 22.9 | 2.77 | 109 |
| | 19-Aug-2021 | 7.42 | 4,083 | 23.3 | 2.36 | 99 |
| | 17-May-2021 | 7.82 | 3,530 | 23.2 | 2.68 | -175 |
| | 22-Feb-2021 | 7.84 | 3,387 | 21.8 | 2.66 | -16 |
| | 17-Nov-2020 | 7.33 | 4,207 | 23.2 | 2.36 | 8 |
| | 21-Aug-2020 | 7.48 | 3,513 | 23.1 | 2.61 | 160 |
| | 18-May-2020 | 7.32 | 3,202 | 23.3 | 2.32 | 96 |
| | 14-Feb-2020 | 7.46 | 3,235 | 21.6 | 2.12 | 118 |
| | 20-Nov-2019 | 6.84 | 3,375 | 21.2 | 6.28 | 207 |
| | 14-Aug-2019 | 7.01 | 3,600 | 22.8 | 1.30 | 163 |
| | 21-May-2019 | 6.61 | 2,882 | 21.3 | 2.30 | 276 |
| | 1-Mar-2019 | 6.84 | 3,426 | 20.7 | 1.51 | 166 |
| | 16-Nov-2018 | 7.02 | 3,437 | 21.8 | 1.55 | 146 |
| | 31-Aug-2018 | 7.11 | 3,329 | 22.5 | 1.83 | 265 |
| | 23-May-2018 | 6.84 | 3,068 | 22.8 | 2.27 | 125 |
| | 19-Feb-2018 | 7.53 | 3,139 | 20.4 | 2.05 | 129 |
| | 14-Nov-2017 | 7.37 | 3,128 | 22.1 | 3.54 | 142 |
| | 16-Aug-2017 | 7.32 | 3,229 | 23.5 | 4.24 | 130 |
| | 26-May-2017 | 6.96 | 2,980 | 22.2 | 2.76 | 144.7 |
| | 24-Feb-2017 | 7.46 | 2,973 | 19.48 | 2.60 | 224.5 |
| | 15-Nov-2016 | 7.62 | 3,099 | 21.20 | 3.28 | 85.0 |
| | 24-Aug-2016 | 6.82 | 3,243 | 21.16 | 2.50 | 103.4 |
| | 25-May-2016 | 7.09 | 3,131 | 22.67 | 2.22 | 114.3 |
| | 18-Feb-2016 | 7.35 | 2,978 | 21.11 | 2.85 | 328.1 |
| | 12-Nov-2015 | 7.32 | 2,868 | 17.58 | 3.06 | 197.2 |
| | 24-Aug-2015 | 7.41 | 3,134 | 22.42 | NM | 182.8 |
| 74-05 | 21-Aug-2023 | 7.18 | 3,575 | 23.3 | 2.69 | 199 |
| | 15-May-2023 | 7.27 | 3,550 | 23.3 | 2.68 | 307 |
| | 21-Feb-2023 | 7.28 | 3,537 | 21.8 | 2.71 | 177 |
| | 15-Nov-2022 | 7.24 | 3,531 | 22.50 | 2.70 | 316.0 |
| | 16-Aug-2022 | 7.27 | 3,499 | 24.4 | 2.65 | 277 |
| | 16-May-2022 | 7.58 | 3,491 | 23.9 | 2.64 | 249 |
| | 23-Feb-2022 | 7.66 | 3,458 | 22.4 | 2.62 | 164 |
| | 15-Nov-2021 | 7.20 | 3,464 | 23.1 | 2.64 | 185 |
| | 31-Aug-2021 | 7.65 | 3,522 | 25.3 | 2.61 | 161 |
| | 17-May-2021 | 7.79 | 3,582 | 24.6 | 2.68 | 18 |
| | 23-Feb-2021 | 7.83 | 3,496 | 22.6 | 2.66 | -4 |
| | 17-Nov-2020 | 7.65 | 4,343 | 22.5 | 2.78 | -25 |
| | 21-Aug-2020 | 7.70 | 3,493 | 22.9 | 2.57 | 135 |
| | 18-May-2020 | 7.33 | 3,440 | 23.1 | 2.54 | 188 |
| | 14-Feb-2020 | 7.20 | 3,231 | 21.5 | 4.91 | 81 |
| | 20-Nov-2019 | 6.80 | 3,216 | 21.4 | 6.01 | 67 |
| | 13-Aug-2019 | 7.03 | 3,353 | 22.7 | 0.71 | -16 |
| | 21-May-2019 | 6.46 | 3,256 | 21.2 | 2.24 | 272 |
| | 1-Mar-2019 | 6.97 | 3,331 | 21.5 | 1.79 | 154 |
| | 16-Nov-2018 | 7.06 | 3,373 | 22.0 | 2.28 | 144 |
| | 29-Aug-2018 | 6.96 | 3,353 | 22.8 | 2.91 | 184 |
| | 23-May-2018 | 6.83 | 3,380 | 22.2 | 2.54 | 129 |
| | 19-Feb-2018 | 7.25 | 3,337 | 21.3 | 1.46 | 137 |
| | 14-Nov-2017 | 7.09 | 3,151 | 21.9 | 0.94 | 111 |
| | 16-Aug-2017 | 7.34 | 3,211 | 22.6 | 3.36 | 146 |
| | 26-May-2017 | 7.02 | 3,214 | 22.09 | 3.70 | 154.2 |
| | 24-Feb-2017 | 7.39 | 3,122 | 19.58 | 3.26 | 155.2 |
| | 15-Nov-2016 | 7.30 | 3,141 | 21.77 | 1.07 | 97.4 |
| | 25-Aug-2016 | 6.82 | 3,197 | 21.52 | 1.76 | 48.2 |
| | 25-May-2016 | 7.12 | 2,946 | 22.09 | 2.01 | 97.3 |
| | 18-Feb-2016 | 7.18 | 2,933 | 20.38 | 2.33 | 302.7 |
| | 12-Nov-2015 | 7.20 | 2,923 | 20.12 | 1.23 | 214.2 |
| | 24-Aug-2015 | 7.11 | 3,179 | 24.11 | NM | 240.7 |

**TABLE 2. SUMMARY OF MONITORING WELL GROUNDWATER FIELD PARAMETERS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | pH | SpC (uS/cm) | Temp (°C) | DO (mg/L) | ORP (mV) |
|---|---|---|---|---|---|---|
| **River Valley Dairy** | | | | | | |
| 167-01A | 15-Nov-2017 | 7.71 | 2,966 | 20.20 | 2.16 | 48.0 |
| | 16-Aug-2017 | 7.47 | 3,611 | 20.70 | 4.62 | 195.0 |
| | 23-May-2017 | 6.80 | 3,601 | 19.30 | 1.84 | 111.9 |
| | 27-Feb-2017 | 7.37 | 3,610 | 19.07 | 5.06 | 154.2 |
| | 15-Nov-2016 | 7.89 | 3,725 | 20.38 | 2.78 | 85.7 |
| | 30-Aug-2016 | 7.35 | 3,621 | 20.60 | 2.61 | 59.1 |
| | 24-May-2016 | 7.36 | 3,576 | 18.60 | 3.24 | 43.4 |
| | 17-Feb-2016 | 6.92 | 3,973 | 18.55 | 1.96 | 79.6 |
| | 16-Nov-2015 | 7.34 | 4,001 | 19.50 | 1.41 | 221.2 |
| | 24-Aug-2015 | 7.47 | 4,361 | 27.51 | NM | 77.5 |
| 167-02 | 15-Nov-2017 | 7.20 | 3,960 | 20.30 | 3.40 | 79.0 |
| | 16-Aug-2017 | 7.11 | 3,807 | 20.50 | 3.96 | 191.0 |
| | 23-May-2017 | 6.76 | 3,244 | 20.77 | 2.10 | 135.8 |
| | 27-Feb-2017 | 7.15 | 3,244 | 19.39 | 7.10 | 219.2 |
| | 15-Nov-2016 | 7.59 | 2,934 | 20.29 | 3.92 | 99.6 |
| | 30-Aug-2016 | 7.39 | 2,497 | 21.40 | 2.71 | 72.2 |
| | 24-May-2016 | 7.17 | 2,452 | 20.20 | 4.11 | 56.6 |
| | 17-Feb-2016 | 6.92 | 2,312 | 20.00 | 6.49 | 155.5 |
| | 16-Nov-2015 | Dry | | | | |
| | 24-Aug-2015 | Insufficient Water-Parameters Not Collected | | | | |
| 167-03 | 15-Nov-2017 | 7.34 | 2,960 | 21.80 | 1.90 | 81.0 |
| | 17-Aug-2017 | 7.33 | 2,947 | 22.50 | 3.31 | 155.0 |
| | 25-May-2017 | 6.96 | 2,851 | 22.55 | 2.56 | 172.5 |
| | 27-Feb-2017 | 7.26 | 2,839 | 21.87 | 3.18 | 218.6 |
| | 15-Nov-2016 | 7.77 | 2,911 | 22.56 | 1.07 | -108.6 |
| | 31-Aug-2016 | 7.44 | 2,964 | 23.20 | 1.96 | 36.7 |
| | 25-May-2016 | 7.06 | 2,836 | 21.69 | 2.41 | 117.5 |
| | 17-Feb-2016 | 6.93 | 2,803 | 21.72 | 2.94 | 196.6 |
| | 16-Nov-2015 | 7.34 | 2,998 | 21.43 | 1.46 | 246.1 |
| | 25-Aug-2015 | 7.29 | 3,054 | 21.90 | NM | 198.2 |
| 167-04 | 15-Nov-2017 | 7.52 | 5,469 | 21.30 | 2.64 | 42.0 |
| | 17-Aug-2017 | 7.53 | 5,446 | 21.50 | 6.11 | 52.0 |
| | 25-May-2017 | 7.05 | 5,234 | 21.16 | 2.13 | 180.0 |
| | 27-Feb-2017 | 7.42 | 5,216 | 20.62 | 3.46 | 203.8 |
| | 15-Nov-2016 | 7.72 | 5,388 | 20.93 | 3.48 | 83.8 |
| | 30-Aug-2016 | 7.31 | 5,342 | 21.80 | 4.21 | 34.1 |
| | 24-May-2016 | 7.43 | 5,088 | 21.54 | 1.76 | 39.8 |
| | 17-Feb-2016 | 6.74 | 4,856 | 20.05 | 3.37 | 209.0 |
| | 16-Nov-2015 | 7.50 | 4,234 | 20.07 | NM | 223.0 |
| | 25-Aug-2015 | 7.35 | 4,944 | 21.43 | NM | 171.1 |
| 167-05 | 15-Nov-2017 | 7.00 | 4,945 | 20.80 | 2.45 | 163.0 |
| | 17-Aug-2017 | 7.21 | 4,818 | 20.20 | 4.84 | 198.0 |
| | 25-May-2017 | 6.47 | 4,277 | 19.64 | 2.47 | 148.5 |
| | 28-Feb-2017 | 7.29 | 4,459 | 19.03 | 1.78 | 216.8 |
| | 16-Nov-2016 | 7.65 | 4,456 | 19.72 | 3.17 | 67.8 |
| | 30-Aug-2016 | 7.17 | 4,229 | 21.50 | 2.19 | 70.9 |
| | 26-May-2016 | 7.27 | 3,995 | 18.67 | 3.11 | 57.4 |
| | 17-Feb-2016 | 6.80 | 4,183 | 20.42 | 2.16 | 147.7 |
| | 13-Nov-2015 | 7.25 | 4,146 | 19.81 | 1.11 | 142.6 |
| | 25-Aug-2015 | 7.20 | 4,308 | 20.69 | NM | 223.5 |
| 167-06 | 15-Nov-2017 | 7.31 | 3,611 | 21.80 | 2.76 | 160 |
| | 17-Aug-2017 | 7.25 | 3,591 | 22.00 | 4.88 | 18.0 |
| | 25-May-2017 | 6.91 | 3,600 | 22.49 | 2.12 | 136.6 |
| | 27-Feb-2017 | 7.16 | 3,590 | 21.93 | 2.51 | 188.3 |
| | 15-Nov-2016 | 7.68 | 3,588 | 21.80 | 1.86 | 76.7 |
| | 30-Aug-2016 | 7.17 | 3,557 | 22.70 | 2.76 | 57.3 |
| | 24-May-2016 | 7.22 | 3,450 | 21.69 | 2.71 | 35.7 |
| | 17-Feb-2016 | 6.45 | 3,497 | 21.21 | 2.01 | 276.0 |
| | 13-Nov-2015 | 7.26 | 3,612 | 20.60 | 1.02 | 171.1 |
| | 24-Aug-2015 | 7.13 | 3,782 | 22.71 | NM | 252.5 |

**TABLE 2. SUMMARY OF MONITORING WELL GROUNDWATER FIELD PARAMETERS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | pH | SpC (uS/cm) | Temp (°C) | DO (mg/L) | ORP (mV) |
|---|---|---|---|---|---|---|
| 167-07 | 15-Nov-2017 | 8.02 | 1,733 | 20.40 | 1.86 | 62.0 |
| | 17-Aug-2017 | 7.62 | 1,866 | 20.10 | 5.34 | 46.0 |
| | 23-May-2017 | 7.98 | 1,685 | 19.46 | 2.40 | 138.3 |
| | 27-Feb-2017 | 7.68 | 1,460 | 19.29 | 1.59 | 197.6 |
| | 15-Nov-2016 | 8.12 | 1,415 | 20.13 | 1.78 | 20.2 |
| | 30-Aug-2016 | 7.54 | 1,771 | 20.70 | 1.70 | 16.2 |
| | 24-May-2016 | 7.65 | 1,330 | 19.47 | 0.75 | -17.1 |
| | 17-Feb-2016 | 6.91 | 1,648 | 19.77 | 1.31 | -76.3 |
| | 13-Nov-2015 | 7.64 | 1,825 | 18.72 | 1.12 | -114.1 |
| | 24-Aug-2015 | 7.29 | 4,621 | 20.89 | NM | 72.4 |
| 167-08 | 15-Nov-2017 | 7.19 | 5,859 | 18.90 | 2.52 | 62.0 |
| | 17-Aug-2017 | 7.17 | 5,651 | 20.40 | 4.11 | 149.0 |
| | 25-May-2017 | 6.89 | 5,064 | 19.19 | 2.83 | 152.8 |
| | 28-Feb-2017 | 7.22 | 5,174 | 18.33 | 1.08 | 198.6 |
| | 16-Nov-2016 | 7.90 | 5,083 | 18.99 | 1.67 | 82.8 |
| | 31-Aug-2016 | 7.06 | 4,725 | 19.80 | 2.17 | 54.1 |
| | 25-May-2016 | 7.14 | 3,874 | 18.39 | 1.76 | 92.8 |
| | 17-Feb-2016 | 6.90 | 4,601 | 20.11 | 2.26 | 75.6 |
| | 23-Nov-2015 | 7.38 | 3,463 | 17.09 | 1.27 | 32.8 |
| | 25-Aug-2015 | Bailer Stuck in Well-Parameters Not Collected | | | | |
| 167-09 | 15-Nov-2017 | 7.00 | 4,927 | 20.00 | 3.33 | 146.0 |
| | 17-Aug-2017 | 7.16 | 4,573 | 20.00 | 4.22 | 102.0 |
| | 25-May-2017 | 6.70 | 3,718 | 19.06 | 2.56 | 137.2 |
| | 27-Feb-2017 | 7.18 | 3,604 | 18.71 | 4.08 | 225.4 |
| | 15-Nov-2016 | 7.63 | 3,662 | 19.61 | 2.21 | 179.6 |
| | 30-Aug-2016 | 7.14 | 3,500 | 20.60 | 1.67 | 64.3 |
| | 24-May-2016 | 7.27 | 3,366 | 18.23 | 2.54 | 40.3 |
| | 17-Feb-2016 | 7.00 | 3,328 | 17.96 | 1.78 | 109.9 |
| | 13-Nov-2015 | 7.25 | 3,381 | 18.69 | 1.06 | 0.5 |
| | 25-Aug-2015 | 7.21 | 3,352 | 19.37 | NM | 226.5 |

**TABLE 2. SUMMARY OF MONITORING WELL GROUNDWATER FIELD PARAMETERS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | pH | SpC (uS/cm) | Temp (°C) | DO (mg/L) | ORP (mV) |
|---|---|---|---|---|---|---|
| **Big Sky Dairy** | | | | | | |
| 833-01 | 5-Aug-2017 | Plugged and Abandoned | | | | |
| | 31-May-2017 | Dry | | | | |
| | 1-Mar-2017 | Dry | | | | |
| | 17-Nov-2016 | Dry | | | | |
| | 29-Aug-2016 | Dry | | | | |
| | 27-May-2016 | Dry | | | | |
| | 22-Feb-2016 | Dry | | | | |
| | 18-Nov-2015 | Dry | | | | |
| | 27-Aug-2015 | Dry | | | | |
| 833-02 | 22-Aug-2023 | 7.26 | 6,276 | 20.9 | 2.43 | 133 |
| | 16-May-2023 | 7.22 | 5,959 | 20.7 | 1.74 | 211 |
| | 22-Feb-2023 | 7.24 | 5,841 | 18.2 | 2.66 | 186 |
| | 17-Nov-2022 | 7.24 | 5,531 | 19 | 2.59 | 197 |
| | 17-Aug-2022 | 7.27 | 4,715 | 20.2 | 2.66 | 152 |
| | 18-May-2022 | 7.24 | 6,273 | 19.5 | 2.08 | 186 |
| | 24-Feb-2022 | 7.67 | 5,532 | 16.8 | 2.59 | 201 |
| | 16-Nov-2021 | 7.19 | 6,064 | 19.5 | 2.83 | 205 |
| | 17-Aug-2021 | 7.73 | 5,666 | 20.6 | 2.88 | 97 |
| | 18-May-2021 | 7.77 | 6,551 | 20.5 | 2.15 | 136 |
| | 24-Feb-2021 | 7.73 | 5,908 | 18.9 | 2.59 | 110 |
| | 18-Nov-2020 | 7.64 | 5,770 | 19.6 | 1.11 | 108 |
| | 24-Aug-2020 | 7.72 | 5,044 | 22.2 | 2.11 | 167 |
| | 20-May-2020 | 7.43 | 4,981 | 21.2 | 2.75 | 244 |
| | 17-Feb-2020 | 7.97 | 5,542 | 20.1 | 2.37 | 95 |
| | 21-Nov-2019 | 7.72 | 4,903 | 19.6 | 3.14 | 212 |
| | 14-Aug-2019 | 7.23 | 6,553 | 22.2 | 1.82 | 117 |
| | 22-May-2019 | 6.98 | 6,354 | 20.9 | 1.88 | 281 |
| | 4-Mar-2019 | 7.11 | 4,796 | 18.7 | 2.11 | 154 |
| | 26-Nov-2018 | 7.23 | 6,466 | 19.8 | 2.36 | 143 |
| | 31-Aug-2018 | 7.34 | 6,321 | 20.4 | 2.61 | 178 |
| | 29-May-2018 | 6.98 | 6,471 | 19.7 | 2.11 | 144 |
| | 21-Feb-2018 | 7.66 | 6,511 | 20.9 | 3.36 | 164 |
| | 16-Nov-2017 | 7.30 | 6,625 | 20.4 | 3.63 | 155 |
| | 1-Sep-2017 | 7.71 | 5,105 | 19.5 | 4.67 | 190 |
| | 30-May-2017 | 7.09 | 6,119 | 19.8 | 2.53 | 178.4 |
| | 28-Feb-2017 | 7.24 | 6,231 | 20.29 | 2.08 | 178.6 |
| | 18-Nov-2016 | 7.48 | 6,309 | 20.07 | 4.65 | 62.0 |
| | 29-Aug-2016 | 7.12 | 6,158 | 23.70 | 2.06 | 73.6 |
| | 31-May-2016 | 7.37 | 6,169 | 20.14 | 5.43 | 39.3 |
| | 22-Feb-2016 | 7.18 | 3,622 | 19.53 | 3.76 | 232.3 |
| | 18-Nov-2015 | 7.58 | 5,996 | 19.69 | 2.45 | 210.1 |
| | 27-Aug-2015 | 8.17 | 3,718 | 24.36 | NM | 176.1 |
| 833-03 | 5-Aug-2017 | Plugged and Abandoned | | | | |
| | 1-Sep-2017 | Dry | | | | |
| | 30-May-2017 | Dry | | | | |
| | 1-Mar-2017 | Dry | | | | |
| | 17-Nov-2016 | Dry | | | | |
| | 29-Aug-2016 | Dry | | | | |
| | 27-May-2016 | Dry | | | | |
| | 18-Feb-2016 | Dry | | | | |
| | 18-Nov-2015 | Dry | | | | |
| | 27-Aug-2015 | Dry | | | | |

**TABLE 2. SUMMARY OF MONITORING WELL GROUNDWATER FIELD PARAMETERS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | pH | SpC (uS/cm) | Temp (°C) | DO (mg/L) | ORP (mV) |
|---|---|---|---|---|---|---|
| 833-04 | 22-Aug-2023 | 7.15 | 4,648 | 22.1 | 1.81 | 142 |
| | 16-May-2023 | 7.23 | 4,283 | 21.5 | 2.33 | 164 |
| | 21-Feb-2023 | 7.30 | 4,697 | 20.9 | 2.05 | 225 |
| | 17-Nov-2022 | 7.21 | 4,400 | 20.5 | 1.86 | 199 |
| | 17-Aug-2022 | 7.21 | 3,889 | 21.6 | 2.72 | 164 |
| | 16-May-2022 | 7.52 | 4,587 | 23.0 | 2.68 | 164 |
| | 24-Feb-2022 | 7.20 | 4,236 | 18.2 | 2.46 | 203 |
| | 15-Nov-2021 | 7.69 | 4,420 | 22.1 | 2.91 | 116 |
| | 17-Aug-2021 | 7.31 | 4,365 | 22.2 | 2.39 | 115 |
| | 17-May-2021 | 7.64 | 3,505 | 21.6 | 2.45 | 137 |
| | 23-Feb-2021 | 7.78 | 3,720 | 21.3 | 2.62 | 82 |
| | 18-Nov-2020 | 7.44 | 3,882 | 19.9 | 2.47 | 112 |
| | 24-Aug-2020 | 7.45 | 3,577 | 22.7 | 2.60 | 140 |
| | 20-May-2020 | 7.75 | 3,571 | 22.3 | 2.92 | 225 |
| | 17-Feb-2020 | 7.71 | 3,778 | 20.8 | 2.30 | 89 |
| | 20-Nov-2019 | 7.00 | 4,257 | 21.0 | 10.93 | 278 |
| | 15-Aug-2019 | 7.04 | 5,007 | 21.3 | 0.97 | 114 |
| | 23-May-2019 | 6.44 | 4,367 | 21.3 | 1.64 | 292 |
| | 4-Mar-2019 | 7.31 | 3,873 | 20.7 | 1.34 | 137 |
| | 26-Nov-2018 | 7.40 | 5,024 | 20.7 | 1.74 | 134 |
| | 4-Sep-2018 | 7.22 | 4,860 | 21.5 | 1.75 | 104 |
| | 24-May-2018 | 7.05 | 4,739 | 21.1 | 1.96 | 112 |
| | 20-Feb-2018 | 7.71 | 3,795 | 20.5 | 3.84 | 152 |
| | 20-Nov-2017 | 7.41 | 4,752 | 20.6 | 3.08 | 125 |
| | 8-Sep-2017 | 7.30 | 4,281 | 22.0 | 4.18 | 158 |
| | 31-Aug-2017 | 7.27 | 4,487 | 20.8 | 2.40 | 209 |
| | 30-May-2017 | 7.09 | 4,351 | 20.84 | 3.24 | 236.1 |
| | 1-Mar-2017 | 7.46 | 4,517 | 20.52 | 1.41 | 244.1 |
| | 17-Nov-2016 | 7.33 | 4,861 | 21.10 | 5.71 | 137.9 |
| | 29-Aug-2016 | 7.20 | 4,658 | 23.70 | 1.21 | 50.5 |
| | 27-May-2016 | 7.38 | 3,299 | 20.54 | 4.18 | 60.3 |
| | 22-Feb-2016 | 7.27 | 3,279 | 19.95 | 3.49 | 256.5 |
| | 19-Nov-2015 | 7.69 | 3,169 | 19.07 | 4.15 | 218.6 |
| | 27-Aug-2015 | 7.52 | 3,656 | 22.15 | NM | 190.9 |
| 833-05 | 23-Aug-2023 | 7.18 | 4,606 | 23.7 | 2.52 | 147 |
| | 3-Jul-2023 | 7.22 | 4,618 | 23.1 | 1.35 | 152 |
| | 23-Feb-2023 | 7.20 | 5,371 | 21.9 | 1.25 | 190 |
| | 21-Nov-2022 | 7.27 | 5,083 | 22.3 | 2.7 | 208 |
| | 18-Aug-2022 | 7.27 | 5,466 | 24.5 | 2.48 | 183 |
| | 18-May-2022 | 7.44 | 5,415 | 24.0 | 2.84 | 188 |
| | 10-Mar-2022 | 7.30 | 5,440 | 22.0 | 2.73 | 189 |
| | 16-Nov-2021 | 7.49 | 5,523 | 23.2 | 2.30 | 188 |
| | 17-Aug-2021 | 7.64 | 5,289 | 24.6 | 2.41 | 91 |
| | 19-May-2021 | 7.51 | 5,335 | 23.0 | 2.64 | 98 |
| | 25-Feb-2021 | 7.50 | 5,363 | 22.2 | 2.84 | 148 |
| | 19-Nov-2020 | 7.27 | 5,270 | 24.1 | 2.08 | 128 |
| | 25-Aug-2020 | 7.57 | 5,548 | 24.0 | 1.35 | 198 |
| | 19-May-2020 | 7.13 | 5,225 | 23.5 | 1.89 | 148 |
| | 17-Feb-2020 | 7.23 | 5,277 | 22.5 | 1.65 | 171 |
| | 20-Nov-2019 | 6.56 | 5,309 | 23.0 | 6.96 | 259 |
| | 15-Aug-2019 | 6.75 | 5,580 | 23.4 | 1.58 | 125 |
| | 22-May-2019 | 6.52 | 5,324 | 23.4 | 2.31 | 290 |
| | 5-Mar-2019 | 6.54 | 3,394 | 22.2 | NM | 159 |
| | 26-Nov-2018 | 6.85 | 5,411 | 22.8 | 1.88 | 128 |
| | 31-Aug-2018 | 6.79 | 5,389 | 23.6 | 2.68 | 144 |
| | 24-May-2018 | 6.54 | 5,271 | 23.0 | 2.34 | 138 |
| | 22-Feb-2018 | 7.39 | 5,475 | 22.1 | 2.81 | 155 |
| | 17-Nov-2017 | 6.73 | 5,481 | 22.1 | 3.01 | 97 |
| | 31-Aug-2017 | 6.70 | 5,659 | 22.9 | 2.56 | 220 |
| | 31-May-2017 | 6.92 | 5,273 | 22.69 | 2.94 | 199.6 |
| | 1-Mar-2017 | 7.30 | 5,302 | 21.26 | 1.64 | 249.9 |
| | 17-Nov-2016 | 7.03 | 5,663 | 23.59 | 3.85 | 128.7 |
| | 29-Aug-2016 | 6.78 | 5,179 | 25.10 | 1.34 | 4.86 |
| | 26-May-2016 | 6.96 | 4,643 | 23.52 | 3.41 | 58.9 |
| | 19-Feb-2016 | 7.41 | 4,745 | 22.59 | 3.27 | 208.8 |
| | 18-Nov-2015 | 6.98 | 4,260 | 23.40 | 3.44 | 190.2 |
| | 27-Aug-2015 | 6.93 | 3,979 | 23.52 | NM | 232.1 |

**TABLE 2. SUMMARY OF MONITORING WELL GROUNDWATER FIELD PARAMETERS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | pH | SpC (uS/cm) | Temp (°C) | DO (mg/L) | ORP (mV) |
|---|---|---|---|---|---|---|
| 833-06 | 21-Aug-2023 | 7.29 | 4,038 | 22.4 | 2.98 | 167 |
| | 15-May-2023 | 7.30 | 4,261 | 21.4 | 2.90 | 103 |
| | 21-Feb-2023 | 7.34 | 4,231 | 20.3 | 2.61 | 256 |
| | 17-Nov-2022 | 7.28 | 4,198 | 19.9 | 2.38 | 196 |
| | 17-Aug-2022 | 7.21 | 4,522 | 20.9 | 1.39 | 167 |
| | 16-May-2022 | 7.36 | 4,350 | 23.0 | 2.94 | 232 |
| | 23-Feb-2022 | 7.62 | 4,013 | 21.2 | 2.91 | 118 |
| | 15-Nov-2021 | 7.55 | 4,410 | 21.8 | 2.90 | 118 |
| | 17-Aug-2021 | 7.19 | 4,234 | 21.0 | 2.07 | 137 |
| | 18-May-2021 | 7.83 | 4,348 | 20.3 | 2.38 | 118 |
| | 23-Feb-2021 | 7.63 | 4,029 | 20.6 | 1.23 | 39 |
| | 18-Nov-2020 | 7.55 | 4,241 | 21.2 | 2.30 | 140 |
| | 24-Aug-2020 | 7.46 | 4,603 | 22.9 | 1.38 | 190 |
| | 19-May-2020 | 7.49 | 4,365 | 21.9 | 2.90 | 247 |
| | 17-Feb-2020 | 7.30 | 4,057 | 20.3 | 2.76 | 93 |
| | 20-Nov-2019 | 7.90 | 4,032 | 20.5 | 1.62 | 257 |
| | 15-Aug-2019 | 6.97 | 4,289 | 22.0 | 3.45 | 120 |
| | 23-May-2019 | 6.29 | 4,151 | 21.2 | 1.59 | 297 |
| | 5-Mar-2019 | 7.17 | 2,935 | 20.3 | NM | 142 |
| | 27-Nov-2018 | 6.86 | 4,141 | 20.0 | 2.39 | 164 |
| | 4-Sep-2018 | 7.08 | 3,542 | 22.0 | 1.24 | 137 |
| | 29-May-2018 | 6.81 | 3,582 | 22.2 | 2.59 | 102 |
| | 22-Feb-2018 | 7.11 | 3,935 | 20.8 | 3.51 | 164 |
| | 16-Nov-2017 | 6.82 | 4,046 | 22.0 | 4.39 | 147 |
| | 1-Sep-2017 | 6.85 | 4,170 | 21.0 | 3.54 | 160 |
| | 31-May-2017 | 6.84 | 3,880 | 21.9 | 2.31 | 152.3 |
| | 1-Mar-2017 | 7.38 | 4,105 | 21.31 | 1.36 | 242.1 |
| | 17-Nov-2016 | 7.29 | 4,150 | 21.72 | 6.35 | 142.4 |
| | 26-Aug-2016 | 6.65 | 3,851 | 21.95 | 1.87 | 36.3 |
| | 27-May-2016 | 7.07 | 3,388 | 20.75 | 5.74 | 66.4 |
| | 22-Feb-2016 | 7.75 | 3,246 | 20.21 | 5.36 | 263.2 |
| | 19-Nov-2015 | 7.32 | 3,564 | 19.59 | 5.36 | 221.7 |
| | 27-Aug-2015 | 7.26 | 3,677 | 23.01 | NM | 199.7 |
| 833-07 | 23-Aug-2023 | 7.25 | 6,750 | 22.5 | 1.55 | 161 |
| | 16-May-2023 | 7.20 | 6,590 | 22.5 | 2.64 | 133 |
| | 22-Feb-2023 | 7.25 | 5,794 | 19.4 | 2.26 | 219 |
| | 18-Nov-2022 | 7.23 | 5,932 | 20.8 | 1.77 | 209 |
| | 18-Aug-2022 | 7.20 | 6,409 | 22.7 | 2.55 | 171 |
| | 18-May-2022 | 7.51 | 6,171 | 22.5 | 2.90 | 179 |
| | 10-Mar-2022 | 7.38 | 5,522 | 21.5 | 2.44 | 156 |
| | 16-Nov-2021 | 7.58 | 5,817 | 22.1 | 2.47 | 182 |
| | 18-Aug-2021 | 7.66 | 5,538 | 22.4 | 2.14 | 100 |
| | 18-May-2021 | 7.49 | 5,500 | 22.8 | 2.92 | 169 |
| | 24-Feb-2021 | 7.72 | 5,320 | 21.5 | 2.24 | 87 |
| | 19-Nov-2020 | 7.15 | 5,379 | 22.2 | 2.94 | 215 |
| | 25-Aug-2020 | 7.26 | 5,661 | 23.5 | 2.00 | 185 |
| | 19-May-2020 | 7.38 | 5,758 | 22.7 | 2.78 | 180 |
| | 17-Feb-2020 | 7.27 | 5,366 | 21.5 | 2.23 | 124 |
| | 20-Nov-2019 | 6.78 | 5,340 | 21.2 | 7.61 | 254 |
| | 15-Aug-2019 | 6.91 | 5,534 | 22.1 | 1.23 | 105 |
| | 22-May-2019 | 6.71 | 5,492 | 22.3 | 1.75 | 304 |
| | 4-Mar-2019 | 7.04 | 4,127 | 20.8 | 2.09 | 139 |
| | 26-Nov-2018 | 7.22 | 5,491 | 20.5 | 2.09 | 133 |
| | 31-Aug-2018 | 7.01 | 5,586 | 22.3 | 1.94 | 174 |
| | 24-May-2018 | 6.71 | 5,580 | 21.7 | 2.21 | 140 |
| | 22-Feb-2018 | 7.12 | 5,608 | 21.8 | 2.71 | 160 |
| | 17-Nov-2017 | 6.88 | 5,652 | 21.5 | 2.17 | 111 |
| | 31-Aug-2017 | 7.02 | 5,894 | 22.3 | 1.81 | 240 |
| | 30-May-2017 | 6.86 | 5,704 | 21.79 | 2.25 | 146.8 |
| | 1-Mar-2017 | 7.44 | 5,908 | 21.42 | 1.69 | 255.8 |
| | 17-Nov-2016 | 7.21 | 6,202 | 22.30 | 3.52 | 168.1 |
| | 29-Aug-2016 | 7.02 | 6,312 | 25.10 | 1.87 | 62.2 |
| | 27-May-2016 | 7.03 | 6,250 | 22.08 | 2.19 | 57.1 |
| | 18-Feb-2016 | 6.68 | 6,525 | 24.07 | 2.30 | 266.4 |
| | 18-Nov-2015 | 7.01 | 5,810 | 21.86 | 2.02 | 222.2 |
| | 27-Aug-2015 | 7.07 | 6,630 | 22.51 | NM | 232.2 |

**TABLE 2. SUMMARY OF MONITORING WELL GROUNDWATER FIELD PARAMETERS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | pH | SpC (uS/cm) | Temp (°C) | DO (mg/L) | ORP (mV) |
|---|---|---|---|---|---|---|
| 833-08 | 22-Aug-2023 | 7.26 | 5,040 | 23.7 | 1.90 | 134 |
| | 16-May-2023 | 7.41 | 5,120 | 22.4 | 2.04 | 110 |
| | 22-Feb-2023 | 7.26 | 5,222 | 20.5 | 2.02 | 223 |
| | 18-Nov-2022 | 7.20 | 4,614 | 21.5 | 2.31 | 211 |
| | 18-Aug-2022 | 7.23 | 5,525 | 22.5 | 2.44 | 190 |
| | 18-May-2022 | 7.36 | 5,713 | 22.2 | 2.74 | 172 |
| | 10-Mar-2022 | 7.24 | 6,395 | 20.7 | 2.55 | 177 |
| | 16-Nov-2021 | 7.41 | 5,543 | 22.0 | 2.84 | 172 |
| | 18-Aug-2021 | 7.88 | 3,683 | 24.5 | 2.67 | 118 |
| | 18-May-2021 | 7.85 | 5,590 | 23.0 | 2.45 | 130 |
| | 24-Feb-2021 | 7.77 | 5,438 | 21.1 | 2.90 | 103 |
| | 18-Nov-2020 | 7.20 | 4,853 | 21.9 | 2.14 | 108 |
| | 24-Aug-2020 | 7.45 | 4,169 | 23.8 | 1.29 | 138 |
| | 19-May-2020 | 7.27 | 4,600 | 24.0 | 2.61 | 156 |
| | 17-Feb-2020 | 7.60 | 4,602 | 22.1 | 2.12 | 115 |
| | 20-Nov-2019 | 6.70 | 4,451 | 22.2 | 2.49 | 250 |
| | 14-Aug-2019 | 6.93 | 4,719 | 23.3 | 1.40 | 136 |
| | 23-May-2019 | 6.29 | 4,567 | 22.2 | 2.12 | 273 |
| | 5-Mar-2019 | 6.98 | 3,190 | 20.6 | NM | 148 |
| | 27-Nov-2018 | 6.89 | 4,561 | 20.6 | 2.71 | 167 |
| | 4-Sep-2018 | 7.10 | 4,366 | 22.7 | 1.07 | 140 |
| | 24-May-2018 | 6.54 | 4,524 | 23.2 | 3.17 | 100 |
| | 22-Feb-2018 | 7.44 | 4,723 | 22.2 | 3.88 | 148 |
| | 17-Nov-2017 | 7.28 | 4,892 | 22.2 | 4.12 | 121 |
| | 1-Sep-2017 | 7.02 | 5,284 | 21.8 | 3.03 | 127 |
| | 31-May-2017 | 6.83 | 4,910 | 22.6 | 2.02 | 163.4 |
| | 1-Mar-2017 | 7.27 | 4,896 | 21.37 | 2.69 | 228.6 |
| | 17-Nov-2016 | 7.02 | 5,660 | 22.79 | 6.85 | 139.1 |
| | 29-Aug-2016 | 7.05 | 4,300 | 25.90 | 2.08 | 55.3 |
| | 27-May-2016 | 7.02 | 3,480 | 22.11 | 5.99 | 61.6 |
| | 19-Feb-2016 | 6.79 | 3,422 | 22.54 | 3.67 | 225.3 |
| | 18-Nov-2015 | 7.17 | 3,067 | 20.30 | 5.05 | 158.7 |
| | 27-Aug-2015 | 7.13 | 3,599 | 22.17 | NM | 222.4 |
| 833-09 | 23-Aug-2023 | 7.22 | 5,330 | 21.0 | 1.42 | 134 |
| | 17-May-2023 | 7.27 | 5,911 | 21.9 | 2.44 | 156 |
| | 23-Feb-2023 | 7.24 | 5,642 | 20.5 | 2.44 | 157 |
| | 21-Nov-2022 | 7.24 | 6,119 | 20.8 | 2.20 | 181 |
| | 18-Aug-2022 | 7.37 | 7,003 | 22.0 | 2.55 | 132 |
| | 19-May-2022 | 7.23 | 6,610 | 21.6 | 2.55 | 202 |
| | 10-Mar-2022 | 7.56 | 6,018 | 21.3 | 1.89 | 208 |
| | 17-Nov-2021 | 7.30 | 5,953 | 20.3 | 2.80 | 230 |
| | 18-Aug-2021 | 7.81 | 6,211 | 22.0 | 2.93 | 116 |
| | 19-May-2021 | 7.70 | 4,274 | 21.8 | 2.69 | 130 |
| | 25-Feb-2021 | 7.45 | 4,242 | 20.6 | 2.85 | 103 |
| | 19-Nov-2020 | 7.45 | 4,292 | 21.4 | 2.90 | 121 |
| | 25-Aug-2020 | 7.77 | 4,626 | 25.7 | 2.03 | 224 |
| | 19-May-2020 | 7.34 | 4,651 | 22.0 | 2.73 | 144 |
| | 18-Feb-2020 | 7.45 | 4,521 | 20.9 | 2.83 | 107 |
| | 21-Nov-2019 | 7.00 | 4,527 | 20.0 | 4.56 | 283 |
| | 14-Aug-2019 | 7.11 | 4,764 | 21.6 | 0.71 | 89 |
| | 22-May-2019 | 7.21 | 4,511 | 21.0 | 2.40 | 297 |
| | 4-Mar-2019 | 7.40 | 4,259 | 19.5 | 2.29 | 140 |
| | 26-Nov-2018 | 7.02 | 4,839 | 20.4 | 2.61 | 135 |
| | 4-Sep-2018 | 7.02 | 4,801 | 21.0 | 1.66 | 182 |
| | 24-May-2018 | 6.85 | 4,846 | 21.2 | 2.58 | 157 |
| | 21-Feb-2018 | 7.41 | 4,896 | 21.8 | 2.26 | 151 |
| | 16-Nov-2017 | 7.23 | 4,685 | 20.6 | 2.86 | 158 |
| | 31-Aug-2017 | 7.11 | 4,997 | 20.5 | 1.43 | 161 |
| | 30-May-2017 | 7.00 | 4,859 | 21.06 | 2.84 | 141.2 |
| | 28-Feb-2017 | 7.40 | 5,026 | 20.37 | 1.48 | 172.5 |
| | 17-Nov-2016 | 7.35 | 5,118 | 21.06 | 2.53 | 121.1 |
| | 26-Aug-2016 | 7.00 | 5,060 | 24.20 | 1.37 | 41.1 |
| | 26-May-2016 | 7.26 | 4,718 | 20.61 | 1.70 | 41.6 |
| | 19-Feb-2016 | 8.02 | 5,601 | 19.84 | 1.83 | 219.5 |
| | 18-Nov-2015 | 7.26 | 5,356 | 20.04 | 1.91 | 217.2 |
| | 27-Aug-2015 | 7.39 | 5,341 | 22.71 | NM | 214.8 |

**TABLE 2. SUMMARY OF MONITORING WELL GROUNDWATER FIELD PARAMETERS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | pH | SpC (uS/cm) | Temp (°C) | DO (mg/L) | ORP (mV) |
|---|---|---|---|---|---|---|
| 833-10 | 24-Aug-2023 | 7.20 | 4,210 | 19.1 | 2.38 | 146 |
| | 17-May-2023 | 7.32 | 4,289 | 19.1 | 2.09 | 131 |
| | 23-Feb-2023 | 7.30 | 4,306 | 18.4 | 2.63 | 158 |
| | 21-Nov-2022 | 7.28 | 4,339 | 18.7 | 1.96 | 165 |
| | 19-Aug-2022 | 7.20 | 4,341 | 19.5 | 2.40 | 177 |
| | 19-May-2022 | 7.32 | 4,340 | 19.8 | 2.66 | 176 |
| | 28-Feb-2022 | 7.23 | 4,356 | 18.0 | 2.38 | 207 |
| | 17-Nov-2021 | 7.76 | 4,301 | 18.4 | 2.38 | 178 |
| | 18-Aug-2021 | 7.81 | 4,248 | 19.8 | 2.76 | 101 |
| | 19-May-2021 | 7.37 | 4,181 | 20.0 | 2.49 | 161 |
| | 25-Feb-2021 | 7.63 | 4,047 | 19.0 | 1.83 | 108 |
| | 19-Nov-2020 | 7.39 | 4,071 | 20.8 | 1.57 | 128 |
| | 25-Aug-2020 | 7.30 | 4,142 | 21.0 | 1.43 | 198 |
| | 20-May-2020 | 7.22 | 4,180 | 21.5 | 2.63 | 162 |
| | 18-Feb-2020 | 7.51 | 3,974 | 19.2 | 1.89 | 122 |
| | 21-Nov-2019 | 6.50 | 3,921 | 19.7 | 5.82 | 235 |
| | 14-Aug-2019 | 7.31 | 4,002 | 20.2 | 0.63 | 125 |
| | 22-May-2019 | 6.74 | 3,907 | 19.3 | 2.28 | 307 |
| | 4-Mar-2019 | 7.03 | 3,406 | 17.9 | 2.40 | 127 |
| | 26-Nov-2018 | 6.92 | 3,903 | 18.1 | 2.24 | 148 |
| | 31-Aug-2018 | 7.30 | 3,841 | 19.1 | 2.55 | 169 |
| | 24-May-2018 | 7.41 | 3,927 | 19.3 | 2.89 | 123 |
| | 22-Feb-2018 | 7.57 | 3,878 | 18.6 | 2.77 | 150 |
| | 16-Nov-2017 | 7.04 | 3,899 | 18.5 | 3.27 | 156 |
| | 31-Aug-2017 | 6.98 | 3,992 | 19.7 | 2.36 | 212 |
| | 30-May-2017 | 6.72 | 3,623 | 19.07 | 1.81 | 182.8 |
| | 1-Mar-2017 | 7.40 | 3,988 | 18.19 | 1.47 | 248.6 |
| | 17-Nov-2016 | 7.15 | 3,764 | 18.50 | 0.62 | 129.9 |
| | 26-Aug-2016 | 7.00 | 3,856 | 20.10 | 1.77 | 55.6 |
| | 26-May-2016 | 7.16 | 3,609 | 19.39 | 2.94 | 46.7 |
| | 19-Feb-2016 | 7.93 | 3,617 | 19.11 | 2.71 | 220.8 |
| | 18-Nov-2015 | 7.21 | 3,600 | 19.11 | 2.08 | 210.6 |
| | 27-Aug-2015 | 7.14 | 3,861 | 19.7 | NM | 231.7 |
| **Sunset/Desert Land Dairy** | | | | | | |
| 257-01 | 24-Aug-2023 | 7.30 | 5,504 | 20.9 | 2.74 | 115 |
| | 17-May-2023 | 7.29 | 5,394 | 20.2 | 2.28 | 134 |
| | 24-Feb-2023 | 7.22 | 5,432 | 19.7 | 2.73 | 148 |
| | 22-Nov-2022 | 7.29 | 5,470 | 20.0 | 1.94 | 168 |
| | 19-Aug-2022 | 7.28 | 5,478 | 19.8 | 1.78 | 128 |
| | 19-May-2022 | 7.20 | 5,520 | 20.3 | 1.97 | 259 |
| | 28-Feb-2022 | 7.48 | 5,522 | 19.8 | 2.15 | 195 |
| | 17-Nov-2021 | 7.80 | 5,521 | 20.8 | 2.74 | 226 |
| | 19-Aug-2021 | 7.92 | 5,476 | 21.8 | 2.51 | 46 |
| | 20-May-2021 | 7.73 | 5,508 | 20.1 | 2.58 | 150 |
| | 25-Feb-2021 | 7.78 | 5,377 | 20.0 | 2.64 | 97 |
| | 20-Nov-2020 | 7.70 | 5,505 | 21.1 | 1.73 | 131 |
| | 25-Aug-2020 | 7.41 | 5,740 | 21.0 | 2.08 | 182 |
| | 26-May-2020 | 7.76 | 5,705 | 20.1 | 2.34 | 231 |
| | 18-Feb-2020 | 7.81 | 5,375 | 19.5 | 1.80 | 135 |
| | 21-Nov-2019 | 6.77 | 5,461 | 20.7 | 1.78 | 226 |
| | 6-Aug-2019 | 7.16 | 5,844 | 20.8 | NM | 174 |
| | 21-May-2019 | 6.71 | 5,643 | 18.7 | 1.30 | 292 |
| | 1-Mar-2019 | 7.27 | 4,790 | 19.7 | 1.17 | 181 |
| | 27-Nov-2018 | 7.52 | 5,784 | 20.2 | 1.76 | 168 |
| | 23-Aug-2018 | 7.58 | 5,739 | 21.2 | 2.25 | 146 |
| | 23-May-2018 | 7.14 | 5,797 | 19.0 | 2.36 | 101 |
| | 20-Feb-2018 | 7.56 | 5,809 | 19.9 | 2.84 | 146 |
| | 16-Nov-2017 | 7.37 | 5,800 | 20.3 | 2.59 | 156 |
| | 18-Aug-2017 | 7.58 | 5,774 | 20.2 | 3.49 | 176 |
| | 31-May-2017 | 6.65 | 5,255 | 19.9 | 1.74 | 121.4 |
| | 2-Mar-2017 | 7.62 | 5,357 | 19.24 | 1.46 | 183.3 |
| | 16-Nov-2016 | 7.76 | 5,484 | 20.63 | 2.10 | 36.7 |
| | 25-Aug-2016 | 7.08 | 5,297 | 20.04 | 3.23 | 26.1 |
| | 26-May-2016 | 7.42 | 4,809 | 18.91 | 3.47 | 17.2 |
| | 22-Feb-2016 | 7.46 | 4,942 | 19.56 | 2.51 | 171.8 |
| | 19-Nov-2015 | 7.48 | 4,943 | 20.16 | 2.27 | 184.9 |
| | 28-Aug-2015 | 7.47 | 5,032 | 21.14 | NM | 189.4 |

**TABLE 2. SUMMARY OF MONITORING WELL GROUNDWATER FIELD PARAMETERS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | pH | SpC (uS/cm) | Temp (°C) | DO (mg/L) | ORP (mV) |
|---|---|---|---|---|---|---|
| 257-02 | 24-Aug-2023 | 7.36 | 3,815 | 21.2 | 1.08 | 90 |
| | 18-May-2023 | 7.25 | 4,242 | 18.2 | 2.17 | 160 |
| | 24-Feb-2023 | 7.35 | 4,388 | 18.5 | 2.01 | 67 |
| | 22-Nov-2022 | 7.27 | 4,238 | 20.7 | 2.18 | 215 |
| | 19-Aug-2022 | 7.30 | 4,270 | 21.1 | 1.31 | 133 |
| | 19-May-2022 | 7.50 | 4,233 | 19.8 | 2.18 | 150 |
| | 28-Feb-2022 | 7.62 | 3,607 | 18.3 | 2.72 | 147 |
| | 18-Nov-2021 | 7.80 | 5,215 | 20.4 | 1.73 | 123 |
| | 20-Aug-2021 | 7.83 | 3,610 | 21.1 | 2.79 | 184 |
| | 19-May-2021 | 7.63 | 4,545 | 23.6 | 2.90 | 182 |
| | 26-Feb-2021 | 7.65 | 4,422 | 17.7 | 2.55 | 126 |
| | 20-Nov-2020 | 7.58 | 4,431 | 21.9 | 2.18 | 187 |
| | 26-Aug-2020 | 7.58 | 4,473 | 21.5 | 1.51 | 173 |
| | 26-May-2020 | 7.28 | 4,560 | 20.2 | 2.96 | 177 |
| | 18-Feb-2020 | 7.43 | 3,981 | 19.5 | 2.94 | 150 |
| | 21-Nov-2019 | 6.86 | 3,928 | 20.8 | 4.14 | 246 |
| | 6-Aug-2019 | 7.16 | 4,009 | 21.2 | NM | 198 |
| | 21-May-2019 | 6.49 | 3,844 | 17.7 | 1.19 | 294 |
| | 1-Mar-2019 | 6.99 | 3,707 | 19.0 | 2.11 | 169 |
| | 27-Nov-2018 | 7.37 | 4,017 | 20.3 | 2.46 | 155 |
| | 23-Aug-2018 | 7.29 | 3,996 | 21.3 | 2.46 | 123 |
| | 23-May-2018 | 6.99 | 3,969 | 18.8 | 2.91 | 122 |
| | 20-Feb-2018 | 7.48 | 3,943 | 18.8 | 4.23 | 155 |
| | 16-Nov-2017 | 7.20 | 3,991 | 20.9 | 3.29 | 117 |
| | 18-Aug-2017 | 7.36 | 4,326 | 20.9 | 4.86 | 150 |
| | 31-May-2017 | 6.65 | 3,585 | 19.37 | 1.87 | 151.5 |
| | 2-Mar-2017 | 7.72 | 3,828 | 18.45 | 1.67 | 231.1 |
| | 16-Nov-2016 | 7.74 | 4,378 | 21.28 | 4.37 | 85.1 |
| | 25-Aug-2016 | 6.94 | 3,244 | 21.03 | 5.64 | 42.9 |
| | 26-May-2016 | 7.24 | 3,183 | 18.32 | 3.78 | 84.3 |
| | 22-Feb-2016 | 7.75 | 2,582 | 20.01 | 3.44 | 142.7 |
| | 19-Nov-2015 | 7.41 | 4,064 | 21.09 | 3.38 | 204.7 |
| | 28-Aug-2015 | 7.27 | 3,912 | 21.30 | NM | 243.8 |
| 257-03 | 24-Aug-2023 | 7.22 | 2981 | 21.4 | 2.35 | 123 |
| | 17-May-2023 | Dry | | | | |
| | 23-Feb-2023 | | | | | |
| | 22-Nov-2022 | 7.22 | 3,940 | 19.6 | 2.03 | 230 |
| | 22-Aug-2022 | 7.19 | 3,887 | 24.0 | 2.03 | 145 |
| | 19-May-2022 | Unknown Blockage in Well -Parameters Not Collected | | | | |
| | 28-Feb-2022 | | | | | |
| | 18-Nov-2021 | | | | | |
| | 20-Aug-2021 | 7.26 | 4,124 | 23.0 | 2.99 | 102 |
| | 20-May-2021 | Insufficient Water-Parameters Not Collected | | | | |
| | 26-Feb-2021 | 7.48 | 4,189 | 17.1 | 2.87 | 144 |
| | 20-Nov-2020 | 7.20 | 4,196 | 21.4 | 2.93 | 190 |
| | 26-Aug-2020 | 7.23 | 4,444 | 22.4 | 1.30 | 165 |
| | 26-May-2020 | Dry | | | | |
| | 18-Feb-2020 | 7.22 | 4,041 | 17.8 | 2.38 | 121 |
| | 21-Nov-2019 | 6.51 | 3,901 | 19.6 | 3.30 | 244 |
| | 6-Aug-2019 | 6.80 | 4,514 | 23.8 | NM | 272 |
| | 21-May-2019 | Dry | | | | |
| | 1-Mar-2019 | 7.17 | 4,021 | 18.9 | 2.28 | 153 |
| | 27-Nov-2018 | 7.13 | 3,954 | 19.7 | 2.08 | 160 |
| | 23-Aug-2018 | 7.14 | 4,200 | 22.2 | 1.89 | 158 |
| | 23-May-2018 | 7.72 | 3,323 | 20.1 | 2.08 | 64 |
| | 20-Feb-2018 | 7.18 | 3,755 | 17.0 | 1.89 | 131 |
| | 16-Nov-2017 | 7.14 | 3,182 | 20.2 | 3.11 | 141 |
| | 18-Aug-2017 | 7.09 | 3,943 | 20.6 | 2.61 | 247 |
| | 31-May-2017 | 6.48 | 3,569 | 20.51 | 1.68 | 130 |
| | 2-Mar-2017 | 7.28 | 3,164 | 16.57 | 1.98 | 251.7 |
| | 16-Nov-2016 | 7.42 | 2,952 | 21.12 | 3.66 | 90.8 |
| | 25-Aug-2016 | 6.81 | 2,786 | 22.39 | 1.03 | 27.2 |
| | 26-May-2016 | Dry | | | | |
| | 22-Feb-2016 | Insufficient Water-Parameters Not Collected | | | | |
| | 19-Nov-2015 | Dry | | | | |
| | 28-Aug-2015 | 7.34 | 3,520 | 24.08 | NM | 241.6 |

**TABLE 2. SUMMARY OF MONITORING WELL GROUNDWATER FIELD PARAMETERS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | pH | SpC (uS/cm) | Temp (°C) | DO (mg/L) | ORP (mV) |
|---|---|---|---|---|---|---|
| 257/260-01 | 20-Feb-2018 | Plugged and Abandoned | | | | |
| | 16-Nov-2017 | Could Not Access | | | | |
| | 18-Aug-2017 | 7.55 | 4,786 | 20.60 | 3.03 | -217.0 |
| | 31-May-2017 | 10.01 | 3,974 | 20.41 | 3.65 | -194.9 |
| | 2-Mar-2017 | 7.97 | 3,961 | 18.11 | -0.10 | -282.3 |
| | 16-Nov-2016 | 8.95 | 3,111 | 20.01 | 4.10 | -172.7 |
| | 9-Sep-2016 | 7.36 | 2,580 | 23.10 | 1.78 | NM |
| | 26-May-2016 | 7.70 | 3,141 | 17.96 | 0.81 | -180.0 |
| | 22-Feb-2016 | 7.61 | 3,755 | 18.22 | 0.00 | -312.4 |
| | 19-Nov-2015 | 7.90 | 3,217 | 19.97 | 0.98 | -97.6 |
| | 28-Aug-2015 | 7.66 | 1,840 | 21.64 | NM | 194.4 |
| **Las Cruces Community Farms (Former McAnally Enterprises)** | | | | | | |
| MW-4 | 24-Aug-2023 | 7.27 | 5,931 | 22.9 | 1.66 | 107 |
| | 18-May-2023 | 7.28 | 7,182 | 22.1 | 1.66 | 129 |
| | 24-Feb-2023 | 7.43 | 6,680 | 21.2 | 1.88 | 109 |
| | 22-Nov-2022 | 7.37 | 7,172 | 21.2 | 2.79 | 164 |
| | 22-Aug-2022 | 7.38 | 7,741 | 22.3 | 2.66 | 114 |
| | 20-May-2022 | 7.18 | 6,393 | 22.0 | 2.05 | 196 |
| | 28-Feb-2022 | 7.38 | 6,399 | 21.6 | 2.30 | 162 |
| | 18-Nov-2021 | 7.57 | 5,852 | 21.1 | 2.87 | 121 |
| | 20-Aug-2021 | 7.71 | 6,360 | 22.8 | 2.55 | 87 |
| | 20-May-2021 | 7.68 | 6,189 | 22.2 | 2.93 | 106 |
| | 26-Feb-2021 | 7.20 | 6,790 | 21.4 | 2.95 | 104 |
| | 20-Nov-2020 | 7.58 | 6,914 | 22.3 | 2.83 | 159 |
| | 26-Aug-2020 | 7.24 | 7,221 | 22.4 | 1.93 | 144 |
| | 26-May-2020 | 7.33 | 6,976 | 22.4 | 2.91 | 172 |
| | 6-Mar-2020 | 7.52 | 7,037 | 21.7 | 1.45 | 179 |
| | 26-Nov-2019 | 6.61 | 7,084 | 21.1 | 3.87 | 71 |
| **SOUTHERN AREA** | | | | | | |
| **Del Oro Dairy** | | | | | | |
| 692-01 | 24-Feb-2016 | Plugged and Abandoned | | | | |
| | 2-Dec-2015 | 6.95 | 3,550 | 20.70 | 1.43 | 157.5 |
| | 31-Aug-2015 | Pump Not Operational-Parameters Not Collected | | | | |
| 692-02 | 25-Aug-2023 | 7.25 | 2,903 | 24.3 | 2.17 | 129 |
| | 18-May-2023 | 7.29 | 2,618 | 23.8 | 1.90 | 123 |
| | 27-Feb-2023 | 7.21 | 2,410 | 21.1 | 1.69 | 161 |
| | 22-Aug-2022 | 7.47 | 2,061 | 24.5 | 1.62 | 99 |
| | 20-May-2022 | 7.66 | 1,785 | 23.7 | 1.31 | 186 |
| | 1-Mar-2022 | 7.20 | 1,782 | 22.0 | 1.32 | 215 |
| | 19-Nov-2021 | 7.10 | 1,589 | 22.7 | 1.20 | 256 |
| | 23-Aug-2021 | 7.22 | 1,566 | 24.6 | 1.15 | 99 |
| | 20-May-2021 | 7.79 | 1,536 | 25.0 | 1.97 | 137 |
| | 9-Mar-2021 | 7.89 | 1,498 | 23.1 | 1.08 | 214 |
| | 23-Nov-2020 | 7.31 | 1,499 | 24.1 | 1.09 | 237 |
| | 26-Aug-2020 | 7.51 | 1,539 | 25.4 | 1.10 | 200 |
| | 26-May-2020 | 7.56 | 1,561 | 25.8 | 1.18 | 150 |
| | 19-Feb-2020 | 7.70 | 1,463 | 23.6 | 2.71 | 161 |
| | 2-Dec-2019 | 7.64 | 1,444 | 24.4 | 2.28 | 207 |
| | 15-Aug-2019 | 7.20 | 2,001 | 27.2 | 2.28 | 96 |
| | 29-May-2019 | 7.05 | 1,588 | 23.4 | 3.02 | 231 |
| | 7-Mar-2019 | 6.72 | 2,692 | 21.8 | 2.70 | 141 |
| | 27-Nov-2018 | 6.60 | 3,697 | 21.8 | 3.11 | 173 |
| | 23-Aug-2018 | 6.70 | 3,937 | 22.8 | 3.76 | 125 |
| | 30-May-2018 | 6.29 | 4,040 | 21.8 | 4.28 | 134 |
| | 23-Feb-2018 | 7.06 | 4,371 | 21.7 | 5.17 | 160 |
| | 30-Nov-2017 | 6.84 | 3,882 | 20.4 | 6.88 | 169 |
| | 23-Aug-2017 | 6.83 | 3,617 | 22.9 | 3.10 | 154 |
| | 5-Jun-2017 | 6.70 | 2,612 | 22.06 | 3.72 | 179.9 |
| | 2-Mar-2017 | 7.00 | 3,418 | 21.09 | 2.04 | 233.5 |
| | 30-Nov-2016 | 6.43 | 4,957 | 22.45 | 0.50 | 151.1 |
| | 6-Sep-2016 | 6.99 | 4,980 | 22.50 | 2.97 | NM |
| | 31-May-2016 | 6.79 | 4,861 | 21.60 | 1.77 | 53.2 |
| | 24-Feb-2016 | 6.49 | 4,818 | 20.64 | 1.46 | 335.4 |
| | 2-Dec-2015 | 6.90 | 4,801 | 20.76 | 1.61 | 163.4 |
| | 31-Aug-2015 | 6.72 | 5,119 | 22.51 | NM | 198.1 |

**TABLE 2. SUMMARY OF MONITORING WELL GROUNDWATER FIELD PARAMETERS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | pH | SpC (uS/cm) | Temp (°C) | DO (mg/L) | ORP (mV) |
|---|---|---|---|---|---|---|
| 692-04 | 25-Aug-2023 | Dry | | | | |
| | 18-May-2023 | | | | | |
| | 27-Feb-2023 | | | | | |
| | 23-Aug-2022 | Insufficient Water-Parameters Not Collected | | | | |
| | 20-May-2022 | 7.30 | 4,133 | 23.2 | 2.00 | 198 |
| | 1-Mar-2022 | 7.18 | 3,530 | 21.0 | 2.67 | 221 |
| | 19-Nov-2021 | 7.12 | 3,390 | 20.0 | 2.59 | 195 |
| | 20-Aug-2021 | 7.81 | 3,483 | 24.5 | 2.61 | 74 |
| | 20-May-2021 | Insufficient Water-Parameters Not Collected | | | | |
| | 9-Mar-2021 | 7.41 | 3,104 | 22.0 | 2.36 | 154 |
| | 23-Nov-2020 | 7.52 | 3,442 | 21.7 | 2.49 | 175 |
| | 26-Aug-2020 | 7.66 | 3,580 | 25.2 | 2.66 | 193 |
| | 26-May-2020 | 7.63 | 4,815 | 24.2 | 2.91 | 177 |
| | 19-Feb-2020 | 7.15 | 3,736 | 20.1 | 2.50 | 202 |
| | 2-Dec-2019 | 6.30 | 3,423 | 20.0 | 1.76 | 248 |
| | 15-Aug-2019 | 6.78 | 3,564 | 22.7 | 2.03 | 108 |
| | 29-May-2019 | Dry | | | | |
| | 7-Mar-2019 | Dry | | | | |
| | 27-Nov-2018 | Dry | | | | |
| | 23-Aug-2018 | Dry | | | | |
| | 30-May-2018 | Dry | | | | |
| | 23-Feb-2018 | Dry | | | | |
| | 30-Nov-2017 | Dry | | | | |
| | 23-Aug-2017 | Dry | | | | |
| | 5-Jun-2017 | Dry | | | | |
| | 2-Mar-2017 | Dry | | | | |
| | 30-Nov-2016 | Dry | | | | |
| | 2-Sep-2016 | Dry | | | | |
| | 31-May-2016 | Dry | | | | |
| | 24-Feb-2016 | Dry | | | | |
| | 2-Dec-2015 | Dry | | | | |
| | 31-Aug-2015 | Dry | | | | |
| 692-05* | 28-Aug-2023 | 7.17 | 2,501 | 25.2 | 1.79 | 159 |
| | 23-May-2023 | 7.26 | 2,470 | 22.2 | 1.80 | 122 |
| | 28-Feb-2023 | 7.22 | 2,462 | 21.3 | 1.87 | 180 |
| | 23-Aug-2022 | 7.28 | 2,510 | 26.8 | 1.82 | 157 |
| | 20-May-2022 | 7.38 | 2,453 | 24.6 | 1.82 | 237 |
| | 2-Mar-2022 | 7.19 | 2,444 | 20.3 | 1.88 | 214 |
| | 19-Nov-2021 | 7.30 | 2,531 | 22.0 | 1.90 | 185 |
| | 23-Aug-2021 | 7.13 | 2,473 | 24.4 | 1.79 | 136 |
| | 21-May-2021 | 7.66 | 2,467 | 23.0 | 1.85 | 116 |
| | 9-Mar-2021 | 7.43 | 2,429 | 21.9 | 1.80 | 132 |
| | 23-Nov-2020 | 7.30 | 2,382 | 22.4 | 1.81 | 221 |
| | 27-Aug-2020 | 7.36 | 2,491 | 23.0 | 1.88 | 203 |
| | 27-May-2020 | 7.18 | 2,488 | 23.1 | 1.80 | 187 |
| | 19-Feb-2020 | 7.68 | 2,349 | 19.8 | 2.33 | 181 |
| | 2-Dec-2019 | 6.55 | 2,350 | 20.2 | 0.79 | 205 |
| | 16-Aug-2019 | 7.03 | 2,442 | 23.7 | 1.04 | 90 |
| | 29-May-2019 | 6.80 | 2,429 | 23.9 | 4.24 | 254 |
| | 14-Mar-2019 | 6.96 | 1,787 | 21.6 | 4.11 | 191 |
| | 4-Dec-2018 | Pump Not Operational-Parameters Not Collected | | | | |
| | 23-Aug-2018 | 6.97 | 2,430 | 24.3 | 4.11 | 166 |
| | 30-May-2018 | Pump Not Operational-Parameters Not Collected | | | | |
| | 23-Feb-2018 | Pump Not Operational-Parameters Not Collected | | | | |
| | 30-Nov-2017 | 7.64 | 2,457 | 21.1 | 5.99 | 164 |
| | 22-Aug-2017 | 7.40 | 2,429 | 23.8 | 6.00 | 88 |
| | 5-Jun-2017 | 7.19 | 2,341 | 22.41 | 5.29 | 187.3 |
| | 3-Mar-2017 | 7.67 | 2,309 | 20.53 | 2.48 | 202.4 |
| | 29-Nov-2016 | 7.53 | 2,265 | 20.70 | 7.88 | 104.4 |
| | 2-Sep-2016 | 7.22 | 2,510 | 23.20 | 7.09 | NM |
| | 31-May-2016 | 7.54 | 2,216 | 21.44 | 5.74 | 63.6 |
| | 24-Feb-2016 | 7.01 | 2,199 | 20.55 | 6.20 | 196.9 |
| | 2-Dec-2015 | 7.58 | 2,127 | 18.67 | 13.45 | 242.9 |
| | 31-Aug-2015 | 7.92 | 2,713 | 31.25 | NM | 124.7 |

**TABLE 2. SUMMARY OF MONITORING WELL GROUNDWATER FIELD PARAMETERS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | pH | SpC (uS/cm) | Temp (°C) | DO (mg/L) | ORP (mV) |
|---|---|---|---|---|---|---|
| 692-06 | 28-Aug-2023 | 7.20 | 2,334 | 25.5 | 1.73 | 178 |
| | 23-May-2023 | 7.29 | 2,272 | 24.1 | 1.73 | 141 |
| | 28-Feb-2023 | 7.29 | 2,342 | 21.1 | 1.77 | 238 |
| | 23-Aug-2022 | 7.30 | 2,312 | 23.3 | 1.72 | 207 |
| | 23-May-2022 | 7.22 | 2,276 | 22.4 | 1.71 | 185 |
| | 2-Mar-2022 | 7.21 | 2,288 | 21.5 | 1.74 | 213 |
| | 22-Nov-2021 | 7.30 | 2,326 | 21.2 | 1.76 | 247 |
| | 24-Aug-2021 | 7.73 | 2,305 | 25.3 | 1.73 | 52 |
| | 21-May-2021 | 7.65 | 2,322 | 21.9 | 1.71 | 177 |
| | 11-Mar-2021 | 7.84 | 2,199 | 22.1 | 1.69 | 171 |
| | 24-Nov-2020 | 7.67 | 2,276 | 21.2 | 1.71 | 104 |
| | 27-Aug-2020 | 7.50 | 2,350 | 23.8 | 1.73 | 244 |
| | 27-May-2020 | 7.42 | 2,431 | 26.4 | 1.72 | 126 |
| | 18-Feb-2020 | 7.60 | 2,186 | 23.0 | 2.60 | 123 |
| | 26-Nov-2019 | 6.91 | 2,230 | 19.7 | 9.98 | 184 |
| | 15-Aug-2019 | 7.15 | 2,311 | 23.7 | 2.27 | 166 |
| | 29-May-2019 | 6.71 | 2,230 | 23.6 | 4.37 | 293 |
| | 7-Mar-2019 | 6.90 | 2,260 | 22.0 | 4.10 | 115 |
| | 4-Dec-2018 | 7.07 | 1,734 | 18.1 | 3.81 | 130 |
| | 23-Aug-2018 | 6.74 | 2,294 | 22.4 | 4.61 | 202 |
| | 30-May-2018 | 6.64 | 2,305 | 23.2 | 5.11 | 69 |
| | 27-Feb-2018 | 7.60 | 2,297 | 22.6 | 3.62 | 113 |
| | 30-Nov-2017 | 7.30 | 2,319 | 20.7 | 4.01 | 185 |
| | 23-Aug-2017 | 7.17 | 2,351 | 22.6 | 4.27 | 139 |
| | 5-Jun-2017 | 7.09 | 2,258 | 22.45 | 3.74 | 123.8 |
| | 2-Mar-2017 | 7.30 | 2,295 | 21.69 | 2.82 | 251.2 |
| | 30-Nov-2016 | 6.86 | 2,297 | 22.49 | 6.12 | 242.1 |
| | 6-Sep-2016 | 7.72 | 2,410 | 22.00 | 5.24 | NM |
| | 31-May-2016 | 7.29 | 2,085 | 21.69 | 4.84 | 79.0 |
| | 24-Feb-2016 | 7.16 | 2,147 | 20.61 | 3.78 | 167.3 |
| | 1-Dec-2015 | 7.31 | 2,147 | 20.76 | 2.17 | 95.2 |
| | 31-Aug-2015 | 7.44 | 2,420 | 25.12 | NM | 119.7 |
| 692-07* | 29-Aug-2023 | 7.22 | 2,493 | 22.5 | 1.87 | 150 |
| | 24-May-2023 | 7.32 | 2,490 | 22.5 | 1.86 | 141 |
| | 28-Feb-2023 | 7.43 | 2,537 | 21.2 | 1.88 | 152 |
| | 24-Aug-2022 | 7.26 | 2,499 | 22.5 | 1.86 | 181 |
| | 23-May-2022 | 7.26 | 2,505 | 22.1 | 1.88 | 169 |
| | 2-Mar-2022 | 7.30 | 2,492 | 20.9 | 1.88 | 198 |
| | 22-Nov-2021 | 7.36 | 2,529 | 22.1 | 1.88 | 110 |
| | 24-Aug-2021 | 7.60 | 2,571 | 24.6 | 1.87 | 80 |
| | 21-May-2021 | 7.73 | 2,575 | 23.5 | 1.92 | 170 |
| | 11-Mar-2021 | 7.33 | 2,450 | 21.4 | 1.87 | 244 |
| | 24-Nov-2020 | 7.52 | 4,503 | 21.6 | 1.44 | 226 |
| | 27-Aug-2020 | 7.10 | 2,632 | 22.5 | 1.92 | 194 |
| | 27-May-2020 | 7.33 | 2,644 | 24.0 | 1.95 | 46 |
| | 19-Feb-2020 | 7.89 | 2,504 | 17.1 | 3.45 | 156 |
| | 26-Nov-2019 | 7.16 | 2,597 | 19.5 | 4.35 | 227 |
| | 16-Aug-2019 | 7.51 | 2,625 | 24.1 | 3.75 | -51 |
| | 29-May-2019 | 6.99 | 2,553 | 22.3 | 4.61 | 287 |
| | 7-Mar-2019 | 7.00 | 2,553 | 20.6 | 4.39 | 111 |
| | 4-Dec-2018 | 7.13 | 2,585 | 20.0 | 4.68 | 115 |
| | 23-Aug-2018 | 7.38 | 2,563 | 24.3 | 6.23 | 90 |
| | 30-May-2018 | 7.33 | 2,602 | 23.2 | 7.04 | 35 |
| | 23-Feb-2018 | 7.67 | 2,623 | 20.8 | 7.26 | 79 |
| | 30-Nov-2017 | 7.56 | 2,594 | 20.3 | 7.11 | 116 |
| | 22-Aug-2017 | 7.22 | 2,586 | 25.3 | 5.23 | 89.0 |
| | 5-Jun-2017 | 7.16 | 2,549 | 23.27 | 5.40 | 226.4 |
| | 3-Mar-2017 | 7.63 | 2,496 | 20.38 | 3.78 | 259.5 |
| | 29-Nov-2016 | 7.11 | 2,504 | 20.48 | 8.19 | 87.6 |
| | 2-Sep-2016 | 7.40 | 2,680 | 24.80 | 7.04 | NM |
| | 31-May-2016 | 7.53 | 2,440 | 22.55 | 3.71 | 42.5 |
| | 24-Feb-2016 | 7.18 | 2,390 | 20.66 | 7.90 | 165.7 |
| | 2-Dec-2015 | 7.68 | 2,189 | 17.55 | 7.20 | 245.8 |
| | 31-Aug-2015 | 7.37 | 2,667 | 25.70 | NM | 132.9 |

**TABLE 2. SUMMARY OF MONITORING WELL GROUNDWATER FIELD PARAMETERS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | pH | SpC (uS/cm) | Temp (°C) | DO (mg/L) | ORP (mV) |
|---|---|---|---|---|---|---|
| 692-08* | 29-Aug-2023 | 7.23 | 2,212 | 28.5 | 1.57 | 177 |
| | 24-May-2023 | 7.31 | 2,177 | 30.1 | 1.62 | 52 |
| | 1-Mar-2023 | 7.29 | 2,201 | 25.0 | 1.63 | 150 |
| | 24-Aug-2022 | 7.28 | 2,182 | 27.8 | 1.63 | -95 |
| | 23-May-2022 | 7.27 | 2,242 | 31.1 | 1.60 | 277 |
| | 2-Mar-2022 | 7.51 | 2,222 | 26.1 | 1.63 | 26 |
| | 22-Nov-2021 | 7.81 | 2,251 | 27.9 | 1.62 | 12 |
| | 24-Aug-2021 | 7.65 | 2,220 | 30.1 | 1.60 | 59 |
| | 21-May-2021 | 7.77 | 2,189 | 23.3 | 1.64 | 147 |
| | 11-Mar-2021 | 7.43 | 2,153 | 24.2 | 1.60 | 152 |
| | 24-Nov-2020 | 7.34 | 2,111 | 22.0 | 1.60 | 231 |
| | 27-Aug-2020 | 7.25 | 2,195 | 24.7 | 1.60 | 178 |
| | 27-May-2020 | 7.11 | 2,205 | 23.8 | 1.59 | 248 |
| | 18-Feb-2020 | 7.52 | 2,196 | 22.8 | 1.20 | 133 |
| | 25-Nov-2019 | 7.14 | 2,610 | 19.1 | 4.10 | 224 |
| | 16-Aug-2019 | 6.98 | 2,188 | 23.5 | 2.94 | 184 |
| | 29-May-2019 | 6.69 | 2,160 | 21.8 | 5.38 | 264 |
| | 7-Mar-2019 | 6.83 | 2,194 | 20.4 | 5.61 | 159 |
| | 4-Dec-2018 | 6.67 | 2,217 | 19.6 | 5.94 | 179 |
| | 23-Aug-2018 | 7.31 | 2,172 | 23.2 | 6.74 | 159 |
| | 30-May-2018 | 6.97 | 2,200 | 23.9 | 6.92 | 82 |
| | 23-Feb-2018 | 7.54 | 2,215 | 21.0 | 7.13 | 143 |
| | 30-Nov-2017 | 7.51 | 2,160 | 20.6 | 6.57 | 198 |
| | 22-Aug-2017 | 7.55 | 2,191 | 24.3 | 5.09 | 98 |
| | 5-Jun-2017 | 6.62 | 2,133 | 22.68 | 4.78 | 110.2 |
| | 3-Mar-2017 | 6.88 | 2,164 | 21.09 | 3.56 | 249.1 |
| | 30-Nov-2016 | 6.90 | 2,148 | 21.44 | 3.63 | 368.2 |
| | 2-Sep-2016 | 6.92 | 2,270 | 22.80 | 6.89 | NM |
| | 31-May-2016 | 7.12 | 2,074 | 22.73 | 5.11 | 48.0 |
| | 24-Feb-2016 | 7.27 | 2,072 | 21.71 | 7.27 | 312.5 |
| | 1-Dec-2015 | 7.30 | 2,009 | 20.67 | 8.14 | 234.2 |
| | 31-Aug-2015 | 7.25 | 2,385 | 23.15 | NM | 134.7 |
| 692-09* | 28-Aug-2023 | 7.24 | 2,258 | 24.8 | 1.62 | 93 |
| | 23-May-2023 | 7.30 | 2,300 | 24.0 | 1.66 | 147 |
| | 28-Feb-2023 | 7.20 | 2,281 | 23.5 | 1.69 | 154 |
| | 23-Aug-2022 | 7.23 | 2,258 | 24.7 | 1.56 | 161 |
| | 20-May-2022 | 7.51 | 2,264 | 26.5 | 1.78 | 180 |
| | 1-Mar-2022 | 7.59 | 2,281 | 22.9 | 1.89 | 199 |
| | 19-Nov-2021 | 7.40 | 2,257 | 23.4 | 1.60 | 146 |
| | 23-Aug-2021 | 7.21 | 2,245 | 24.3 | 1.65 | 111 |
| | 20-May-2021 | 7.44 | 2,232 | 23.8 | 1.59 | 184 |
| | 9-Mar-2021 | 7.73 | 2,200 | 23.4 | 1.65 | 124 |
| | 23-Nov-2020 | 7.40 | 2,156 | 23.0 | 1.64 | 190 |
| | 26-Aug-2020 | 7.26 | 2,267 | 24.0 | 1.62 | 237 |
| | 27-May-2020 | 7.30 | 2,240 | 23.1 | 1.67 | 265 |
| | 19-Feb-2020 | 7.75 | 2,234 | 17.6 | 2.84 | 191 |
| | 2-Dec-2019 | 7.02 | 2,151 | 20.1 | 1.10 | 182 |
| | 16-Aug-2019 | 7.14 | 2,241 | 23.2 | 2.32 | 91 |
| | 29-May-2019 | 6.96 | 2,149 | 22.9 | 5.80 | 232 |
| | 7-Mar-2019 | 7.04 | 2,211 | 22.2 | 5.89 | 136 |
| | 4-Dec-2018 | 7.52 | 2,229 | 20.1 | 6.11 | 132 |
| | 23-Aug-2018 | 7.40 | 2,172 | 23.1 | 5.44 | 111 |
| | 30-May-2018 | 6.91 | 2,211 | 23.0 | 5.21 | 127 |
| | 23-Feb-2018 | 7.58 | 2,211 | 22.1 | 4.38 | 143 |
| | 30-Nov-2017 | 7.32 | 2,196 | 22.3 | 5.75 | 228 |
| | 22-Aug-2017 | 7.25 | 2,231 | 24.0 | 4.28 | 104 |
| | 5-Jun-2017 | 7.22 | 2,163 | 23.19 | 5.07 | 156.4 |
| | 3-Mar-2017 | 7.30 | 2,240 | 22.24 | 3.26 | 257.8 |
| | 30-Nov-2016 | 7.13 | 2,221 | 22.09 | 6.02 | 103.1 |
| | 2-Sep-2016 | 7.14 | 2,310 | 23.50 | 6.03 | NM |
| | 31-May-2016 | 7.35 | 2,106 | 22.81 | 4.68 | 62.3 |
| | 24-Feb-2016 | 7.06 | 2,111 | 22.18 | 5.54 | 208.6 |
| | 2-Dec-2015 | 7.65 | 2,015 | 18.78 | 8.02 | 155.9 |
| | 31-Aug-2015 | 7.57 | 2,420 | 27.64 | NM | 168.5 |
| 692-10 | 29-Aug-2023 | 7.17 | 2,773 | 24.5 | 2.06 | 152 |
| | 24-May-2023 | 7.25 | 2,764 | 24.2 | 2.07 | 123 |
| | 1-Mar-2023 | 7.26 | 2,797 | 21.4 | 2.20 | 115 |

**TABLE 2. SUMMARY OF MONITORING WELL GROUNDWATER FIELD PARAMETERS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | pH | SpC (uS/cm) | Temp (°C) | DO (mg/L) | ORP (mV) |
|---|---|---|---|---|---|---|
| **Anthony Waste Water Treatment Plant** | | | | | | |
| MW-1 | Aug-2015 | Parameters Not Collected Since August 2015 | | | | |
| MW-2 | Aug-2015 | Parameters Not Collected Since August 2015 | | | | |
| MW-3 | Aug-2015 | Parameters Not Collected Since August 2015 | | | | |
| **ABATEMENT PLAN MONITOR WELLS** | | | | | | |
| DAD-01 | 30-Aug-2023 | 7.22 | 2,236 | 24.8 | 1.71 | 130 |
| | 25-May-2023 | 7.25 | 2,467 | 24.7 | 1.71 | 155 |
| | 2-Mar-2023 | 7.20 | 3,215 | 20.9 | 1.85 | 132 |
| | 1-Dec-2022 | 7.34 | 2,431 | 24.0 | 1.85 | 148 |
| | 24-Aug-2022 | 7.43 | 2,240 | 25.5 | 1.76 | 112 |
| | 24-May-2022 | 7.24 | 2,507 | 24.3 | 1.71 | 203 |
| | 3-Mar-2022 | 7.19 | 2,696 | 24.0 | 1.85 | 200 |
| | 23-Nov-2021 | 7.54 | 2,516 | 23.9 | 1.82 | 118 |
| | 25-Aug-2021 | 7.11 | 2,330 | 24.9 | 1.76 | 146 |
| | 1-Jun-2021 | 7.19 | 2,250 | 24.5 | 1.71 | 219 |
| | 26-Feb-2021 | 7.59 | 2,706 | 23.5 | 1.79 | 132 |
| | 30-Nov-2020 | 7.31 | 2,401 | 24.0 | 1.69 | 308 |
| | 27-Aug-2020 | 7.43 | 2,290 | 25.8 | 1.56 | 140 |
| | 29-May-2020 | 7.51 | 2,149 | 25.5 | 1.50 | 132 |
| | 21-Feb-2020 | 7.08 | 2,347 | 23.5 | 0.21 | 170 |
| | 3-Dec-2019 | 6.57 | 2,280 | 22.5 | 1.35 | 193 |
| | 19-Aug-2019 | 7.11 | 2,146 | 25.3 | 2.94 | 96 |
| | 22-May-2019 | 7.03 | 2,099 | 24.8 | 1.11 | 288 |
| | 5-Mar-2019 | 7.28 | 2,352 | 23.9 | 1.13 | 127 |
| | 28-Nov-2018 | 7.11 | 2,221 | 23.5 | 1.31 | 147 |
| | 24-Aug-2018 | 6.79 | 2,101 | 25.3 | 1.14 | 222 |
| | 31-May-2018 | 7.20 | 2,084 | 24.1 | 1.36 | 115 |
| | 26-Feb-2018 | 7.44 | 2,458 | 22.8 | 3.17 | 129 |
| | 20-Nov-2017 | 7.39 | 2,414 | 24.6 | 5.07 | 131 |
| | 24-Aug-2017 | 7.30 | 2,436 | 25.0 | 5.57 | 167 |
| | 8-Jun-2017 | 6.93 | 2,383 | 25.27 | 3.40 | 206.7 |
| | 7-Mar-2017 | 7.23 | 2,688 | 23.27 | 2.40 | 217.1 |
| | 30-Nov-2016 | 7.09 | 2,728 | 24.10 | 5.82 | 239.2 |
| | 6-Sep-2016 | 7.24 | 2,740 | 25.30 | 6.16 | NM |
| | 2-Jun-2016 | 7.02 | 2,521 | 24.87 | 6.19 | 98.6 |
| | 25-Feb-2016 | 6.78 | 2,785 | 24.29 | 3.75 | 198.6 |
| | 23-Nov-2015 | 7.21 | 2,636 | 22.29 | 4.60 | -7.4 |
| | 1-Sep-2015 | 7.28 | 2,406 | 24.74 | NM | 255.7 |

**TABLE 2. SUMMARY OF MONITORING WELL GROUNDWATER FIELD PARAMETERS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | pH | SpC (uS/cm) | Temp (°C) | DO (mg/L) | ORP (mV) |
|---|---|---|---|---|---|---|
| DAD-02 | 5-Sep-2023 | 7.19 | 3,160 | 24.6 | 2.45 | 127 |
| | 26-May-2023 | 7.28 | 2,750 | 25.1 | 1.99 | 101 |
| | 3-Mar-2023 | 7.31 | 2,413 | 23.3 | 1.84 | 141 |
| | 5-Dec-2022 | 7.35 | 2,440 | 23.1 | 1.88 | 173 |
| | 26-Aug-2022 | 7.50 | 2,348 | 24.7 | 1.73 | 80 |
| | 25-May-2022 | 7.60 | 2,040 | 24.5 | 1.57 | 146 |
| | 16-Mar-2022 | 7.22 | 1,856 | 23.3 | 1.33 | 179 |
| | 30-Nov-2021 | 7.83 | 1,821 | 23.5 | 1.30 | 121 |
| | 26-Aug-2021 | 7.71 | 1,802 | 25.3 | 1.36 | 153 |
| | 3-Jun-2021 | 7.81 | 1,807 | 25.1 | 1.35 | 182 |
| | 2-Mar-2021 | 7.86 | 1,678 | 23.2 | 1.22 | 134 |
| | 1-Dec-2020 | 7.47 | 1,803 | 17.3 | 0.94 | 167 |
| | 28-Aug-2020 | 7.78 | 1,896 | 26.0 | 1.36 | 132 |
| | 29-May-2020 | 7.41 | 1,837 | 25.1 | 1.35 | 107 |
| | 21-Feb-2020 | 7.64 | 1,770 | 22.3 | 0.30 | 135 |
| | 4-Dec-2019 | 6.83 | 1,711 | 22.6 | 2.15 | 167 |
| | 19-Aug-2019 | 7.38 | 1,895 | 24.3 | 3.17 | 97 |
| | 22-May-2019 | 7.14 | 1,862 | 24.5 | 1.23 | 296 |
| | 4-Mar-2019 | 7.32 | 2,015 | 23.2 | 1.31 | 136 |
| | 28-Nov-2018 | 7.18 | 2,258 | 23.2 | 1.44 | 156 |
| | 24-Aug-2018 | 7.10 | 2,325 | 24.4 | 1.63 | 218 |
| | 31-May-2018 | 7.38 | 2,412 | 24.1 | 2.06 | 111 |
| | 26-Feb-2018 | 7.51 | 2,652 | 23.2 | 2.47 | 142 |
| | 20-Nov-2017 | 7.30 | 2,632 | 23.3 | 5.75 | 166 |
| | 24-Aug-2017 | 7.40 | 2,510 | 25.1 | 5.35 | 73 |
| | 8-Jun-2017 | 6.91 | 2,606 | 24.78 | 4.78 | 171.8 |
| | 7-Mar-2017 | 7.42 | 2,727 | 23.27 | 2.96 | 208.2 |
| | 30-Nov-2016 | 7.20 | 2,535 | 22.82 | 6.93 | 134.3 |
| | 6-Sep-2016 | 7.83 | 2,570 | 24.40 | 6.78 | NM |
| | 2-Jun-2016 | 7.20 | 2,454 | 24.80 | 5.21 | 79.4 |
| | 25-Feb-2016 | 7.22 | 2,480 | 22.99 | 6.08 | 203.6 |
| | 23-Nov-2015 | 7.31 | 2,454 | 22.81 | 5.28 | 95.5 |
| | 31-Aug-2015 | 7.48 | 2,633 | 25.05 | NM | 220.6 |
| DAD-03 | 5-Sep-2023 | 7.22 | 2,569 | 22.5 | 1.88 | 35 |
| | 26-May-2023 | 7.31 | 2,600 | 21.6 | 1.28 | 93 |
| | 6-Mar-2023 | 7.34 | 2,693 | 21.3 | 1.99 | 134 |
| | 5-Dec-2022 | 7.31 | 2,656 | 22.0 | 1.93 | 98 |
| | 26-Aug-2022 | 7.42 | 2,633 | 22.9 | 1.95 | 61 |
| | 26-May-2022 | 7.24 | 2,658 | 20.2 | 1.96 | 194 |
| | 16-Mar-2022 | 7.15 | 2,780 | 20.1 | 2.09 | 198 |
| | 1-Dec-2021 | 7.54 | 2,618 | 22.0 | 1.98 | 85 |
| | 26-Aug-2021 | 7.77 | 2,961 | 23.6 | 2.28 | -122 |
| | 3-Jun-2021 | 7.58 | 2,720 | 20.9 | 1.97 | 192 |
| | 1-Dec-2020 | 7.62 | 2,404 | 21.7 | 1.73 | -73 |
| | 31-Aug-2020 | 7.70 | 2,622 | 22.9 | 2.22 | 140 |
| | 1-Jun-2020 | 7.47 | 2,557 | 20.7 | 1.89 | 157 |
| | 21-Feb-2020 | 7.63 | 2,461 | 20.0 | 0.29 | 123 |
| | 4-Dec-2019 | 7.13 | 2,613 | 21.5 | 3.49 | -40 |
| | 19-Aug-2019 | 7.30 | 2,731 | 22.4 | 1.49 | -28 |
| | 22-May-2019 | 7.16 | 2,839 | 20.3 | 2.53 | 287 |
| | 5-Mar-2019 | 7.34 | 2,651 | 19.8 | 2.60 | 149 |
| | 28-Nov-2018 | 7.65 | 2,700 | 22.1 | 3.10 | 152 |
| | 24-Aug-2018 | 7.39 | 2,953 | 22.4 | 2.56 | 58 |
| | 31-May-2018 | 6.97 | 3,152 | 20.3 | 2.30 | 83 |
| | 26-Feb-2018 | 7.63 | 2,952 | 20.5 | 2.11 | 145 |
| | 20-Nov-2017 | 7.25 | 3,238 | 22.8 | 1.48 | 121 |
| | 24-Aug-2017 | 7.23 | 3,259 | 22.4 | 1.67 | -96 |
| | 8-Jun-2017 | 6.79 | 3,035 | 21.24 | 5.23 | -13.6 |
| | 7-Mar-2017 | 7.52 | 3,727 | 20.11 | 1.88 | 216.7 |
| | 30-Nov-2016 | 7.41 | 3,983 | 21.72 | 5.03 | -20.9 |
| | 6-Sep-2016 | 7.36 | 3,750 | 23.10 | 2.32 | NM |
| | 2-Jun-2016 | 7.11 | 3,397 | 23.72 | 2.01 | 61.9 |
| | 25-Feb-2016 | 7.26 | 3,160 | 19.80 | 0.62 | -97.8 |
| | 23-Nov-2015 | 7.33 | 3,365 | 21.04 | 1.30 | -47.3 |
| | 1-Sep-2015 | 7.37 | 4,085 | 23.27 | NM | 225.8 |

**TABLE 2. SUMMARY OF MONITORING WELL GROUNDWATER FIELD PARAMETERS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | pH | SpC (uS/cm) | Temp (°C) | DO (mg/L) | ORP (mV) |
|---|---|---|---|---|---|---|
| DAD-04 | 6-Sep-2023 | 7.18 | 3,386 | 21.1 | 2.60 | 157 |
| | 30-May-2023 | Dry | | | | |
| | 6-Mar-2023 | | | | | |
| | 6-Dec-2022 | 7.21 | 3,136 | 19.0 | 2.44 | 182 |
| | 31-Aug-2022 | 7.25 | 1,334 | 21.6 | 1.01 | 102 |
| | 26-May-2022 | 7.36 | 1,935 | 19.4 | 1.42 | 187 |
| | 16-Mar-2022 | 7.26 | 3,629 | 18.9 | 2.80 | 175 |
| | 1-Dec-2021 | 7.78 | 3,550 | 20.6 | 2.72 | 111 |
| | 31-Aug-2021 | 7.50 | 3,580 | 22.1 | 2.69 | 140 |
| | 3-Jun-2021 | 7.80 | 3,555 | 19.3 | 2.65 | 150 |
| | 2-Mar-2021 | 7.92 | 3,240 | 18.4 | 2.48 | 102 |
| | 2-Dec-2020 | 7.82 | 3,071 | 19.4 | 2.36 | 146 |
| | 31-Aug-2020 | 7.10 | 3,180 | 22.5 | 2.32 | 119 |
| | 1-Jun-2020 | 7.35 | 3,002 | 20.1 | 2.16 | 130 |
| | 21-Feb-2020 | 7.81 | 2,752 | 18.1 | 0.27 | 46 |
| | 4-Dec-2019 | 7.08 | 3,000 | 19.3 | 2.45 | -39 |
| | 19-Aug-2019 | 7.68 | 2,692 | 22.8 | 1.74 | -47 |
| | 23-May-2019 | 6.69 | 2,739 | 19.0 | 1.33 | 213 |
| | 5-Mar-2019 | 7.66 | 2,701 | 18.1 | 1.58 | 142 |
| | 28-Nov-2018 | 7.53 | 2,748 | 19.7 | 1.86 | 121 |
| | 24-Aug-2018 | 7.77 | 2,583 | 21.0 | 1.59 | 25 |
| | 31-May-2018 | 7.43 | 2,667 | 20.7 | 1.20 | 60 |
| | 26-Feb-2018 | 7.66 | 2,270 | 18.4 | 1.84 | 83 |
| | 20-Nov-2017 | 8.45 | 1,429 | 20.9 | 3.79 | 29 |
| | 24-Aug-2017 | 7.45 | 2,986 | 21.2 | NM | 78 |
| | 8-Jun-2017 | 6.84 | 2,696 | 21.48 | 2.64 | 209.2 |
| | 7-Mar-2017 | 7.80 | 2,486 | 19.56 | 1.80 | 214.6 |
| | 2-Dec-2016 | 7.60 | 2,843 | 20.58 | 5.46 | 216.8 |
| | 6-Sep-2016 | 7.75 | 3,040 | 22.10 | 3.57 | NM |
| | 2-Jun-2016 | 7.16 | 3,129 | 20.67 | 3.12 | 39.4 |
| | 25-Feb-2016 | 7.52 | 2,191 | 18.39 | 3.45 | 84.7 |
| | 23-Nov-2015 | 7.68 | 2,587 | 19.50 | 1.92 | -29.6 |
| | 1-Sep-2015 | 7.76 | 3,591 | 22.82 | NM | 164.8 |

**TABLE 2. SUMMARY OF MONITORING WELL GROUNDWATER FIELD PARAMETERS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | pH | SpC (uS/cm) | Temp (°C) | DO (mg/L) | ORP (mV) |
|---|---|---|---|---|---|---|
| DAD-05 | 11-Sep-2023 | 7.28 | 1,266 | 22.8 | 1.15 | 91 |
| | 1-Jun-2023 | 7.27 | 1,350 | 19.3 | 1.05 | 97 |
| | 8-Mar-2023 | 7.29 | 1,351 | 18.4 | 1.05 | 100 |
| | 8-Dec-2022 | 7.33 | 1,305 | 20.0 | 0.93 | 60 |
| | 12-Sep-2022 | 7.25 | 1,231 | 21.8 | 1.04 | 80 |
| | 31-May-2022 | 7.22 | 2,294 | 18.2 | 1.62 | 31 |
| | 17-Mar-2022 | 7.40 | 2,377 | 17.5 | 1.75 | 81 |
| | 6-Dec-2021 | 7.20 | 2,564 | 19.0 | 1.84 | -79 |
| | 2-Sep-2021 | 7.58 | 3,147 | 21.9 | 2.32 | 157 |
| | 7-Jun-2021 | 7.64 | 2,640 | 19.2 | 1.32 | 92 |
| | 4-Mar-2021 | 7.84 | 2,231 | 17.1 | 1.53 | 156 |
| | 2-Dec-2020 | 7.65 | 2,210 | 19.3 | 1.93 | 168 |
| | 31-Aug-2020 | 7.68 | 1,590 | 23.0 | 1.15 | 91 |
| | 1-Jun-2020 | 7.49 | 2,381 | 19.9 | 1.51 | 106 |
| | 21-Feb-2020 | 7.66 | 2,603 | 17.3 | 0.25 | 87 |
| | 5-Dec-2019 | 7.31 | 2,334 | 19.6 | 2.50 | 137 |
| | 22-Aug-2019 | 7.53 | 2,838 | 20.2 | 2.88 | 85 |
| | 23-May-2019 | 6.84 | 3,379 | 17.1 | 2.06 | 286 |
| | 5-Mar-2019 | 7.57 | 2,898 | 16.8 | 2.51 | 147 |
| | 29-Nov-2018 | 7.51 | 3,911 | 19.9 | 1.28 | 172 |
| | 24-Aug-2018 | 7.45 | 4,335 | 20.0 | 2.91 | 90 |
| | 31-May-2018 | 7.00 | 4,244 | 15.8 | 3.45 | 60 |
| | 26-Feb-2018 | 7.23 | 4,209 | 16.7 | 4.67 | 112 |
| | 27-Nov-2017 | 7.28 | 4,252 | 20.1 | 1.62 | 138 |
| | 25-Aug-2017 | 7.53 | 2,517 | 20.6 | 3.72 | 187 |
| | 8-Jun-2017 | 6.53 | 3,839 | 17.82 | 2.77 | 38.3 |
| | 7-Mar-2017 | 7.41 | 2,997 | 17.25 | 2.27 | 231.3 |
| | 2-Dec-2016 | 7.09 | 3,954 | 19.60 | 1.81 | 153.6 |
| | 6-Sep-2016 | 7.20 | 4,040 | 19.50 | 2.53 | NM |
| | 2-Jun-2016 | 7.09 | 3,542 | 17.60 | 2.87 | 66.2 |
| | 25-Feb-2016 | 7.12 | 3,494 | 17.20 | 1.47 | 167.5 |
| | 23-Nov-2015 | 7.29 | 3,106 | 19.79 | 1.71 | 29.8 |
| | 1-Sep-2015 | 7.52 | 2,935 | 22.60 | NM | 101.4 |

**TABLE 2. SUMMARY OF MONITORING WELL GROUNDWATER FIELD PARAMETERS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | pH | SpC (uS/cm) | Temp (°C) | DO (mg/L) | ORP (mV) |
|---|---|---|---|---|---|---|
| DAD-06 | 4-Nov-2022 | Plugged and Abandoned | | | | |
| | 13-Sep-2022 | Dry Since Septemeber 2022 | | | | |
| | 27-May-2022 | Dry | | | | |
| | 22-Mar-2022 | Dry | | | | |
| | 1-Dec-2021 | Dry | | | | |
| | 31-Aug-2021 | Dry | | | | |
| | 4-Jun-2021 | Dry | | | | |
| | 3-Mar-2021 | Dry | | | | |
| | 1-Dec-2020 | Dry | | | | |
| | 31-Aug-2020 | Dry | | | | |
| | 1-Jun-2020 | Dry | | | | |
| | 9-Mar-2020 | Dry | | | | |
| | 4-Dec-2019 | Dry | | | | |
| | 22-Aug-2019 | Dry | | | | |
| | 28-May-2019 | Dry | | | | |
| | 14-Mar-2019 | Dry | | | | |
| | 4-Dec-2018 | Dry | | | | |
| | 31-Aug-2018 | Dry | | | | |
| | 4-Jun-2018 | Dry | | | | |
| | 28-Feb-2018 | Dry | | | | |
| | 28-Nov-2017 | Dry | | | | |
| | 29-Aug-2017 | Dry | | | | |
| | 12-Jun-2017 | Dry | | | | |
| | 13-Mar-2017 | Dry | | | | |
| | 6-Dec-2016 | Dry | | | | |
| | 8-Sep-2016 | Dry | | | | |
| | 6-Jun-2016 | Dry | | | | |
| | 25-Feb-2016 | Dry | | | | |
| | 23-Nov-2015 | Dry | | | | |
| | 1-Sep-2015 | Dry | | | | |

**TABLE 2. SUMMARY OF MONITORING WELL GROUNDWATER FIELD PARAMETERS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | pH | SpC (uS/cm) | Temp (°C) | DO (mg/L) | ORP (mV) |
|---|---|---|---|---|---|---|
| DAD-06R | 6-Sep-2023 | 7.24 | 1,123 | 26.1 | 1.20 | 131 |
| | 30-May-2023 | 7.23 | 1,315 | 27.0 | 1.25 | 79 |
| | 7-Mar-2023 | 7.26 | 1,052 | 23.2 | 1.10 | 131 |
| | 6-Dec-2022 | 7.46 | 1,108 | 23.8 | 0.75 | 140 |
| DAD-07 | 6-Sep-2023 | 7.24 | 4,036 | 27.2 | 2.28 | 133 |
| | 5-Jun-2023 | 7.28 | 3,698 | 25.6 | 2.61 | 124 |
| | 7-Mar-2023 | 7.27 | 3,312 | 24.2 | 2.19 | 123 |
| | 7-Dec-2022 | 7.22 | 3,138 | 24.1 | 2.14 | 168 |
| | 13-Sep-2022 | 7.20 | 2,906 | 25.0 | 2.02 | 126 |
| | 1-Jun-2022 | 7.22 | 2,976 | 24.5 | 2.05 | 184 |
| | 22-Mar-2022 | 7.26 | 3,086 | 22.0 | 2.16 | 163 |
| | 7-Dec-2021 | 7.28 | 3,213 | 24.0 | 2.25 | 115 |
| | 1-Sep-2021 | 7.20 | 5,616 | 25.2 | 2.44 | 120 |
| | 4-Jun-2021 | 7.28 | 3,539 | 24.9 | 2.56 | 172 |
| | 3-Mar-2021 | 7.31 | 3,596 | 24.1 | 2.76 | 123 |
| | 4-Dec-2020 | 7.18 | 3,634 | 22.8 | 2.88 | 203 |
| | 3-Sep-2020 | 7.31 | 3,773 | 24.8 | 2.82 | 171 |
| | 3-Jun-2020 | 7.50 | 3,471 | 25.6 | 2.63 | 140 |
| | 25-Feb-2020 | 6.93 | 3,220 | 23.0 | 0.50 | 181 |
| | 5-Dec-2019 | 6.41 | 3,142 | 23.2 | 1.91 | 136 |
| | 21-Aug-2019 | 6.84 | 3,261 | 25.6 | 3.19 | 224 |
| | 24-May-2019 | 6.51 | 3,153 | 24.4 | 2.44 | 308 |
| | 8-Mar-2019 | 6.71 | 2,534 | 24.1 | 1.34 | 162 |
| | 29-Nov-2018 | 6.86 | 3,070 | 23.9 | 1.64 | 148 |
| | 27-Aug-2018 | 6.93 | 3,138 | 24.9 | 2.20 | 236 |
| | 1-Jun-2018 | 6.75 | 3,341 | 25.3 | 3.11 | 151 |
| | 27-Feb-2018 | 6.64 | 3,823 | 24.2 | 3.61 | 156 |
| | 28-Nov-2017 | 7.02 | 3,636 | 24.4 | 4.16 | 149 |
| | 28-Aug-2017 | 6.86 | 3,270 | 24.7 | NM | 190 |
| | 6-Jun-2017 | 6.73 | 3,048 | 24.96 | 2.80 | 196.7 |
| | 10-Mar-2017 | 6.92 | 2,948 | 24.40 | 3.24 | 196.4 |
| | 5-Dec-2016 | 6.93 | 2,847 | 23.78 | 5.11 | 215.0 |
| | 7-Sep-2016 | 7.12 | 3,160 | 24.80 | 5.78 | NM |
| | 8-Jun-2016 | 6.79 | 2,985 | 24.84 | 4.60 | 239.2 |
| | 1-Mar-2016 | 7.00 | 3,037 | 24.36 | 4.23 | 208.7 |
| | 30-Nov-2015 | 7.09 | 3,088 | 21.59 | 4.65 | 257.1 |
| | 1-Sep-2015 | 7.37 | 3,569 | 26.31 | NM | 148.2 |

**TABLE 2. SUMMARY OF MONITORING WELL GROUNDWATER FIELD PARAMETERS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | pH | SpC (uS/cm) | Temp (°C) | DO (mg/L) | ORP (mV) |
|---|---|---|---|---|---|---|
| DAD-08 | 12-Sep-2023 | 7.23 | 6,618 | 21.3 | 2.35 | 142 |
| | 5-Jun-2023 | 7.24 | 6,590 | 22.4 | 2.22 | 140 |
| | 8-Mar-2023 | 7.38 | 6,558 | 21.7 | 2.92 | 86 |
| | 8-Dec-2022 | 7.37 | 6,354 | 21.5 | 2.95 | 135 |
| | 12-Sep-2022 | 7.30 | 6,947 | 22.7 | 2.85 | 62 |
| | 31-May-2022 | 7.41 | 7,122 | 22.5 | 2.97 | 116 |
| | 18-Mar-2022 | 7.20 | 6,936 | 20.6 | 2.51 | 189 |
| | 6-Dec-2021 | 7.49 | 6,815 | 21.2 | 2.75 | 68 |
| | 2-Sep-2021 | 7.46 | 6,947 | 22.8 | 2.94 | 208 |
| | 7-Jun-2021 | 7.67 | 7,471 | 22.4 | 2.71 | 104 |
| | 3-Mar-2021 | 7.68 | 7,165 | 21.3 | 2.00 | 103 |
| | 3-Dec-2020 | 7.25 | 6,949 | 20.8 | 2.90 | 182 |
| | 2-Sep-2020 | 7.43 | 7,396 | 22.8 | 2.51 | 131 |
| | 2-Jun-2020 | 7.18 | 7,059 | 23.9 | 2.48 | 184 |
| | 21-Feb-2020 | 7.36 | 7,094 | 20.4 | 0.44 | 81 |
| | 4-Dec-2019 | 6.57 | 7,007 | 20.3 | 6.32 | 167 |
| | 19-Aug-2019 | 6.98 | 7,181 | 22.1 | 2.93 | 72 |
| | 23-May-2019 | 6.38 | 7,905 | 21.9 | 2.21 | 288 |
| | 5-Mar-2019 | 7.25 | 3,765 | 20.6 | 1.84 | 158 |
| | 29-Nov-2018 | 7.50 | 6,136 | 20.8 | 2.11 | 159 |
| | 24-Aug-2018 | 6.99 | 7,829 | 22.1 | 3.11 | 128 |
| | 31-May-2018 | 6.73 | 7,682 | 21.1 | 3.52 | 109 |
| | 26-Feb-2018 | 6.97 | 7,135 | 21.1 | 3.24 | 126 |
| | 27-Nov-2017 | 7.27 | 6,587 | 21.2 | 2.87 | 149 |
| | 25-Aug-2017 | 7.07 | 6,396 | 21.9 | 3.05 | 243 |
| | 8-Jun-2017 | 6.50 | 7,029 | 21.64 | 3.83 | 59.4 |
| | 7-Mar-2017 | 7.34 | 7,737 | 20.57 | 2.34 | 237.7 |
| | 2-Dec-2016 | 7.02 | 8,153 | 20.74 | 4.32 | 138.9 |
| | 6-Sep-2016 | 7.28 | 8,410 | 21.80 | 4.98 | NM |
| | 2-Jun-2016 | 7.06 | 7,862 | 21.51 | 4.97 | 78.8 |
| | 25-Feb-2016 | 7.07 | 7,896 | 20.38 | 4.79 | 177.3 |
| | 23-Nov-2015 | 7.20 | 8,036 | 26.21 | 3.73 | 95.1 |
| | 1-Sep-2015 | 7.54 | 8,449 | 23.03 | NM | 181.8 |
| DAD-09 | 13-Sep-2023 | 7.24 | 2,735 | 23.7 | 1.50 | 135 |
| | 6-Jun-2023 | 7.23 | 2,964 | 23.9 | 2.06 | 150 |
| | 9-Mar-2023 | 7.39 | 3,083 | 22.5 | 2.19 | 126 |
| | 9-Dec-2022 | 7.29 | 3,043 | 22.6 | 2.23 | 147 |
| | 13-Sep-2022 | 7.22 | 3,020 | 24.0 | 2.28 | 116 |
| | 1-Jun-2022 | 7.20 | 3,058 | 24.1 | 2.30 | 211 |
| | 22-Mar-2022 | 7.63 | 2,881 | 22.0 | 1.81 | 159 |
| | 7-Dec-2021 | 7.66 | 1,938 | 22.4 | 887.2 | 108 |
| | 3-Sep-2021 | 7.58 | 1,143 | 24.6 | 1.81 | 220 |
| | 28-May-2021 | 7.50 | 2,988 | 24.0 | 2.43 | 165 |
| | 8-Mar-2021 | 7.38 | 2,954 | 21.9 | 2.33 | 148 |
| | 7-Dec-2020 | 7.49 | 2,834 | 21.8 | 2.51 | 181 |
| | 3-Sep-2020 | 7.52 | 2,205 | 26.3 | 1.06 | 157 |
| | 3-Jun-2020 | 7.41 | 3,651 | 24.4 | 2.53 | 170 |
| | 19-Feb-2020 | 7.13 | 2,836 | 22.1 | 2.03 | 171 |
| | 6-Dec-2019 | 6.82 | 1,262 | 22.4 | 1.69 | 255 |
| | 21-Aug-2019 | 6.84 | 4,602 | 23.8 | 3.43 | 122 |
| | 24-May-2019 | 6.15 | 4,669 | 23.5 | 1.71 | 282 |
| | 7-Mar-2019 | 6.91 | 2,609 | 23.0 | 1.56 | 137 |
| | 30-Nov-2018 | 6.80 | 3,429 | 22.0 | 1.34 | 151 |
| | 27-Aug-2018 | 6.06 | 4,046 | 24.1 | 1.59 | 217 |
| | 4-Jun-2018 | 6.23 | 4,601 | 22.7 | 1.34 | 160 |
| | 28-Feb-2018 | 6.61 | 3,836 | 22.2 | 1.67 | 183 |
| | 28-Nov-2017 | 6.98 | 3,372 | 23.0 | 2.77 | 193 |
| | 23-Aug-2017 | 6.92 | 3,070 | 23.8 | 4.98 | 129 |
| | 9-Jun-2017 | 6.57 | 3,975 | 23.74 | 2.73 | 65.9 |
| | 10-Mar-2017 | 6.72 | 3,865 | 22.49 | 1.01 | 197.9 |
| | 6-Dec-2016 | 7.20 | 3,618 | 21.40 | 3.70 | 326.0 |
| | 7-Sep-2016 | 6.93 | 3,430 | 24.40 | 2.41 | NM |
| | 6-Jun-2016 | 6.64 | 3,142 | 23.46 | 2.49 | 271.9 |
| | 29-Feb-2016 | 6.90 | 2,888 | 22.47 | 2.55 | 216.2 |
| | 23-Nov-2015 | 7.01 | 2,837 | 21.88 | 2.08 | 127.2 |
| | 2-Sep-2015 | 7.19 | 3,006 | 24.32 | NM | 243.3 |

**TABLE 2. SUMMARY OF MONITORING WELL GROUNDWATER FIELD PARAMETERS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | pH | SpC (uS/cm) | Temp (°C) | DO (mg/L) | ORP (mV) |
|---|---|---|---|---|---|---|
| DAD-10 | 13-Sep-2023 | 7.17 | 2,138 | 20.8 | 1.59 | 125 |
| | 9-Jun-2023 | 7.22 | 2,151 | 21.8 | 1.60 | 136 |
| | 10-Mar-2023 | 7.37 | 2,165 | 21.0 | 1.61 | 234 |
| | 9-Dec-2022 | 7.29 | 2,193 | 18.5 | 1.63 | 179 |
| | 14-Sep-2022 | 7.23 | 2,143 | 22.6 | 1.59 | 113 |
| | 2-Jun-2022 | 7.43 | 2,154 | 21.9 | 1.59 | 198 |
| | 23-Mar-2022 | 7.50 | 2,162 | 18.7 | 1.66 | 191 |
| | 8-Dec-2021 | 7.43 | 2,174 | 20.6 | 1.63 | 169 |
| | 24-Aug-2021 | 7.80 | 2,153 | 23.3 | 1.57 | 99 |
| | 28-May-2021 | 7.15 | 2,167 | 21.2 | 1.73 | 153 |
| | 8-Mar-2021 | 7.73 | 2,117 | 21.2 | 1.59 | 164 |
| | 24-Nov-2020 | 7.87 | 2,127 | 20.5 | 1.59 | 149 |
| | 3-Sep-2020 | 7.58 | 2,192 | 22.9 | 1.57 | 197 |
| | 4-Jun-2020 | 7.29 | 2,197 | 22.0 | 1.63 | 254 |
| | 19-Feb-2020 | 7.52 | 2,444 | 19.0 | 2.13 | 175 |
| | 2-Dec-2019 | 6.79 | 2,077 | 19.8 | 1.85 | 151 |
| | 22-Aug-2019 | 7.18 | 2,209 | 21.3 | 1.86 | 196 |
| | 24-May-2019 | 6.71 | 2,160 | 21.6 | 2.36 | 302 |
| | 11-Mar-2019 | 7.34 | 2,180 | 20.8 | 1.09 | 154 |
| | 30-Nov-2018 | 6.87 | 2,318 | 19.8 | 1.61 | 175 |
| | 27-Aug-2018 | 7.24 | 2,206 | 22.1 | 1.31 | 229 |
| | 4-Jun-2018 | 6.72 | 2,294 | 20.8 | 3.39 | 138 |
| | 28-Feb-2018 | 7.03 | 2,415 | 20.7 | 3.88 | 167 |
| | 28-Nov-2017 | 7.35 | 2,497 | 21.9 | 2.77 | 166 |
| | 25-Aug-2017 | 7.08 | 2,544 | 22.5 | 3.14 | 197 |
| | 9-Jun-2017 | 6.59 | 2,411 | 21.96 | 4.55 | 222.6 |
| | 8-Mar-2017 | 7.28 | 2,414 | 21.94 | 2.21 | 213.2 |
| | 6-Dec-2016 | 7.52 | 2,404 | 19.76 | 2.85 | 260.7 |
| | 7-Sep-2016 | 7.47 | 2,620 | 22.70 | 2.81 | NM |
| | 6-Jun-2016 | 7.07 | 2,301 | 22.38 | 2.17 | 269.5 |
| | 29-Feb-2016 | 7.28 | 2,364 | 21.64 | 3.63 | 229.0 |
| | 24-Nov-2015 | 7.37 | 2,259 | 21.32 | 2.13 | 81.6 |
| | 3-Sep-2015 | 7.27 | 2,421 | 22.08 | NM | 241.2 |

**TABLE 2. SUMMARY OF MONITORING WELL GROUNDWATER FIELD PARAMETERS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | pH | SpC (uS/cm) | Temp (°C) | DO (mg/L) | ORP (mV) |
|---|---|---|---|---|---|---|
| DAD-11 Vertical Delineation | 31-Aug-2023 | 7.27 | 5,073 | 22.0 | 2.68 | 142 |
| | 25-May-2023 | 7.22 | 4,778 | 22.1 | 1.63 | 131 |
| | 3-Mar-2023 | 7.22 | 4,619 | 19.6 | 2.72 | 134 |
| | 2-Dec-2022 | 7.25 | 4,388 | 21.3 | 2.43 | 157 |
| | 25-Aug-2022 | 7.30 | 4,339 | 22.6 | 1.34 | 120 |
| | 25-May-2022 | 7.20 | 4,306 | 21.1 | 2.87 | 208 |
| | 15-Mar-2022 | 7.19 | 4,333 | 20.7 | 2.90 | 153 |
| | 30-Nov-2021 | 7.60 | 4,320 | 22.9 | 2.88 | 159 |
| | 25-Aug-2021 | 7.74 | 4,263 | 25.2 | 2.60 | 201 |
| | 1-Jun-2021 | 7.78 | 4,292 | 22.5 | 2.59 | 148 |
| | 1-Mar-2021 | 7.68 | 4,058 | 21.0 | 2.93 | 129 |
| | 1-Dec-2020 | 7.18 | 4,015 | 20.2 | 1.52 | 168 |
| | 28-Aug-2020 | 7.78 | 4,212 | 22.5 | 1.88 | -113 |
| | 29-May-2020 | 7.45 | 4,231 | 21.8 | 2.93 | 148 |
| | 26-Feb-2020 | 7.67 | 3,989 | 20.0 | 0.47 | 131 |
| | 12-Dec-2019 | 6.59 | 3,885 | 21.0 | 3.05 | 255 |
| | 20-Aug-2019 | 7.00 | 4,409 | 22.4 | 2.10 | 129 |
| | 28-May-2019 | 6.69 | 4,318 | 21.5 | 1.44 | 291 |
| | 11-Mar-2019 | 7.22 | 3,059 | 21.4 | 1.80 | 171 |
| | 3-Dec-2018 | 6.76 | 4,309 | 21.6 | 1.80 | 164 |
| | 29-Aug-2018 | 7.07 | 4,476 | 23.1 | 1.75 | 265 |
| | 31-May-2018 | 6.59 | 4,493 | 23.6 | 3.41 | 128 |
| | 28-Feb-2018 | 7.59 | 3,902 | 23.0 | 3.28 | 151 |
| | 29-Nov-2017 | 7.50 | 2,972 | 22.5 | 3.77 | 180 |
| | 29-Aug-2017 | 7.04 | 3,868 | 21.6 | 1.68 | 245 |
| | 6-Jun-2017 | 6.62 | 4,544 | 22.51 | 1.94 | 197.6 |
| | 8-Mar-2017 | 7.11 | 5,351 | 22.03 | 2.60 | 227.8 |
| | 2-Dec-2016 | 7.26 | 4,183 | 22.13 | 1.53 | 126.7 |
| | 8-Sep-2016 | 7.18 | 6,250 | 22.40 | 2.26 | NM |
| | 8-Jun-2016 | 6.60 | 5,892 | 22.05 | 1.24 | 248.7 |
| | 29-Feb-2016 | 7.19 | 4,518 | 20.64 | 5.13 | 367.9 |
| | 24-Nov-2015 | 7.22 | 6,105 | 22.14 | 1.25 | 151.2 |
| | 1-Sep-2015 | 6.94 | 4,712 | 23.60 | NM | 246.7 |
| DAD-12 Vertical Delineation | 30-Aug-2023 | 7.25 | 4,669 | 23.1 | 2.29 | 123 |
| | 25-May-2023 | 7.24 | 4,656 | 22.6 | 2.33 | 148 |
| | 2-Mar-2023 | 7.24 | 4,711 | 19.5 | 2.90 | 179 |
| | 1-Dec-2022 | 7.28 | 4,869 | 21.3 | 2.33 | 155 |
| | 25-Aug-2022 | 7.25 | 4,861 | 22.8 | 1.88 | 178 |
| | 24-May-2022 | 7.25 | 4,961 | 22.0 | 2.48 | 252 |
| | 3-Mar-2022 | 7.30 | 4,962 | 22.0 | 2.91 | 198 |
| | 23-Nov-2021 | 7.20 | 5,149 | 21.3 | 2.47 | 143 |
| | 25-Aug-2021 | 7.32 | 5,436 | 22.4 | 2.26 | 171 |
| | 1-Jun-2021 | 7.28 | 5,446 | 22.1 | 2.85 | 179 |
| | 26-Feb-2021 | 7.74 | 5,256 | 20.8 | 2.15 | 140 |
| | 30-Nov-2020 | 7.28 | 5,275 | 21.0 | 2.05 | 150 |
| | 27-Aug-2020 | 7.77 | 5,466 | 25.5 | 2.31 | 197 |
| | 29-May-2020 | 7.43 | 5,572 | 23.3 | 2.63 | 165 |
| | 26-Feb-2020 | 7.35 | 5,306 | 21.0 | 0.22 | 156 |
| | 3-Dec-2019 | 6.55 | 5,258 | 20.4 | 2.80 | 163 |
| | 20-Aug-2019 | 6.80 | 5,755 | 22.8 | 1.30 | 198 |
| | 28-May-2019 | 6.24 | 5,551 | 22.7 | 3.20 | 256 |
| | 11-Mar-2019 | 7.02 | 3,117 | 21.5 | 2.21 | 168 |
| | 3-Dec-2018 | 6.58 | 4,898 | 22.0 | 2.35 | 163 |
| | 28-Aug-2018 | 6.93 | 5,561 | 22.8 | 2.03 | 211 |
| | 1-Jun-2018 | 6.70 | 5,726 | 22.9 | 4.62 | 148 |
| | 27-Feb-2018 | 7.07 | 5,851 | 23.0 | 5.17 | 131 |
| | 29-Nov-2017 | 7.07 | 5,856 | 22.3 | 3.03 | 172 |
| | 28-Aug-2017 | 6.92 | 5,429 | 22.6 | 3.67 | 191 |
| | 12-Jun-2017 | 7.17 | 4,221 | 22.69 | 3.62 | 192.5 |
| | 8-Mar-2017 | 6.90 | 5,893 | 22.19 | 1.77 | 207.6 |
| | 5-Dec-2016 | 6.94 | 5,930 | 23.21 | 0.75 | 182.5 |
| | 8-Sep-2016 | 7.20 | 4,610 | 22.10 | 1.69 | NM |
| | 8-Jun-2016 | 6.79 | 4,216 | 22.18 | 1.64 | 249.1 |
| | 29-Feb-2016 | 6.97 | 4,222 | 21.11 | 1.84 | 257.0 |
| | 24-Nov-2015 | 7.20 | 4,205 | 22.34 | 1.67 | 106.3 |

**TABLE 2. SUMMARY OF MONITORING WELL GROUNDWATER FIELD PARAMETERS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | pH | SpC (uS/cm) | Temp (°C) | DO (mg/L) | ORP (mV) |
|---|---|---|---|---|---|---|
| DAD-13 | 30-Aug-2023 | 7.26 | 3,371 | 24.9 | 2.94 | 113 |
| | 25-May-2023 | 7.42 | 3,550 | 25.4 | 2.81 | 127 |
| | 2-Mar-2023 | 7.22 | 3,684 | 21.8 | 2.72 | 131 |
| | 2-Dec-2022 | 7.18 | 3,747 | 22.3 | 2.82 | 187 |
| | 25-Aug-2022 | 7.21 | 3,756 | 24.0 | 2.82 | 137 |
| | 24-May-2022 | 7.31 | 3,656 | 23.7 | 2.75 | 168 |
| | 3-Mar-2022 | 7.25 | 3,880 | 23.6 | 2.93 | 146 |
| | 23-Nov-2021 | 7.36 | 3,524 | 23.1 | 2.65 | 149 |
| | 25-Aug-2021 | 7.45 | 3,333 | 24.5 | 2.47 | 173 |
| | 1-Sep-2015 | 6.99 | 4,285 | 22.76 | NM | 261.4 |
| | 1-Jun-2021 | 7.29 | 3,303 | 24.6 | 2.46 | 151 |
| | 1-Mar-2021 | 7.20 | 3,200 | 22.2 | 2.46 | 222 |
| | 30-Nov-2020 | 7.05 | 2,978 | 21.7 | 2.32 | 167 |
| | 28-Aug-2020 | 7.48 | 3,538 | 24.4 | 2.73 | 219 |
| | 29-May-2020 | 7.50 | 3,540 | 25.0 | 2.61 | 125 |
| | 26-Feb-2020 | 7.55 | 3,100 | 22.7 | 0.50 | 128 |
| | 3-Dec-2019 | 6.48 | 2,966 | 20.8 | 4.82 | 183 |
| | 20-Aug-2019 | 6.86 | 3,547 | 24.5 | 1.91 | 148 |
| | 23-May-2019 | 6.54 | 3,281 | 23.8 | 1.28 | 302 |
| | 8-Mar-2019 | 6.73 | 2,580 | 22.2 | 1.68 | 168 |
| | 28-Nov-2018 | 7.22 | 3,061 | 22.8 | 2.29 | 149 |
| | 27-Aug-2018 | 6.89 | 2,838 | 23.7 | 2.06 | 278 |
| | 31-May-2018 | 6.50 | 4,023 | 22.7 | 1.77 | 132 |
| | 27-Feb-2018 | 6.99 | 2,522 | 22.2 | 3.11 | 121 |
| | 27-Nov-2017 | 7.00 | 2,726 | 23.0 | 2.24 | 197 |
| | 24-Aug-2017 | 6.77 | 3,593 | 23.4 | 3.06 | 236 |
| | 12-Jun-2017 | 7.37 | 3,773 | 23.87 | 4.76 | 120.9 |
| | 8-Mar-2017 | 6.86 | 3,350 | 23.15 | 1.95 | 209.7 |
| | 5-Dec-2016 | 7.09 | 3,429 | 20.09 | 5.61 | 421.1 |
| | 8-Sep-2016 | 6.88 | 3,620 | 24.20 | 2.80 | NM |
| | 2-Jun-2016 | 6.77 | 3,443 | 23.46 | 2.60 | 88.0 |
| | 25-Feb-2016 | 6.91 | 3,407 | 22.77 | 1.49 | 210.9 |
| DAD-14 | 31-Aug-2023 | 7.30 | 6,333 | 22.2 | 2.77 | 118 |
| | 26-May-2023 | 7.28 | 5,906 | 21.8 | 2.94 | 149 |
| | 2-Mar-2023 | 7.29 | 5,574 | 19.7 | 2.72 | 207 |
| | 2-Dec-2022 | 7.32 | 5,226 | 21.4 | 2.04 | 161 |
| | 26-Aug-2022 | 7.24 | 4,378 | 22.2 | 1.88 | 134 |
| | 24-May-2022 | 7.33 | 4,185 | 21.6 | 2.33 | 168 |
| | 15-Mar-2022 | 7.60 | 4,159 | 21.2 | NM | NM |
| | 23-Nov-2021 | 7.68 | 4,185 | 21.4 | 2.79 | 149 |
| | 26-Aug-2021 | 7.58 | 4,295 | 22.7 | 2.60 | 142 |
| | 24-Nov-2015 | 7.01 | 3,306 | 22.97 | 1.54 | 126.5 |
| | 1-Sep-2015 | 7.31 | 3,595 | 24.61 | NM | 226.0 |
| | 3-Jun-2021 | 7.23 | 4,231 | 21.2 | 2.78 | 223 |
| | 2-Mar-2021 | 7.79 | 4,158 | 20.6 | 2.33 | 100 |
| | 1-Dec-2020 | 7.43 | 4,184 | 20.7 | 1.33 | 155 |
| | 28-Aug-2020 | 7.40 | 4,530 | 23.8 | 2.08 | 62 |
| | 29-May-2020 | 7.32 | 4,565 | 22.9 | 2.43 | 127 |
| | 26-Feb-2020 | 7.55 | 4,463 | 20.5 | 0.42 | 109 |
| | 3-Dec-2019 | 6.86 | 4,601 | 20.6 | 2.60 | 176 |
| | 20-Aug-2019 | 7.24 | 4,907 | 22.3 | 1.24 | 159 |
| | 24-May-2019 | 6.76 | 4,954 | 21.1 | 2.88 | 304 |
| | 8-Mar-2019 | 7.14 | 3,439 | 21.1 | 1.70 | 162 |
| | 28-Nov-2018 | 7.35 | 5,061 | 20.7 | 2.58 | 165 |
| | 29-Aug-2018 | 7.36 | 5,042 | 21.3 | 2.27 | 173 |
| | 31-May-2018 | 7.05 | 5,198 | 20.6 | 2.12 | 136 |
| | 26-Feb-2018 | 7.59 | 5,296 | 20.8 | 4.07 | 153 |
| | 27-Nov-2017 | 7.49 | 5,366 | 21.4 | 2.19 | 183 |
| | 28-Aug-2017 | 7.31 | 5,459 | 21.8 | 4.52 | 215 |
| | 6-Jun-2017 | 6.61 | 5,433 | 21.54 | 2.11 | 117.6 |
| | 8-Mar-2017 | 7.45 | 5,547 | 20.79 | 2.59 | 199.2 |
| | 2-Dec-2016 | 7.34 | 5,493 | 20.33 | 1.77 | 137.5 |
| | 8-Sep-2016 | 7.45 | 5,850 | 21.60 | 2.81 | NM |
| | 2-Jun-2016 | 7.20 | 5,487 | 20.75 | 4.09 | 85.4 |
| | 29-Feb-2016 | 7.47 | 5,231 | 20.00 | 2.60 | 265.3 |

**TABLE 2. SUMMARY OF MONITORING WELL GROUNDWATER FIELD PARAMETERS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | pH | SpC (uS/cm) | Temp (°C) | DO (mg/L) | ORP (mV) |
|---|---|---|---|---|---|---|
| DAD-15 | 5-Sep-2023 | 7.20 | 3,977 | 24.9 | 2.82 | 86 |
| | 30-May-2023 | 7.31 | 3,488 | 25.3 | 2.68 | 140 |
| | 6-Mar-2023 | 7.22 | 3,838 | 24.1 | 2.86 | 128 |
| | 5-Dec-2022 | 7.27 | 3,808 | 23.8 | 2.70 | 140 |
| | 31-Aug-2022 | 7.23 | 3,756 | 24.1 | 2.91 | 76 |
| | 26-May-2022 | 7.28 | 3,920 | 24.6 | 2.49 | 194 |
| | 23-Mar-2022 | 7.27 | 3,779 | 23.4 | 2.78 | 187 |
| | 2-Dec-2021 | 7.60 | 3,712 | 22.8 | 2.71 | 49 |
| | 31-Aug-2021 | 7.23 | 3,565 | 26.2 | 2.49 | 182 |
| | 24-Nov-2015 | 7.56 | 5,242 | 21.02 | 2.60 | 139.1 |
| | 1-Sep-2015 | 7.42 | 5,006 | 21.43 | NM | 247.2 |
| | 4-Jun-2021 | 7.68 | 3,274 | 23.7 | 2.34 | 80 |
| | 4-Mar-2021 | 7.62 | 3,360 | 23.3 | 2.34 | 198 |
| | 4-Dec-2020 | 7.34 | 3,354 | 23.2 | 2.53 | 261 |
| | 3-Sep-2020 | 7.30 | 3,294 | 24.7 | 2.60 | 186 |
| | 1-Jun-2020 | 7.34 | 3,226 | 24.8 | 2.45 | 117 |
| | 26-Feb-2020 | 7.44 | 3,030 | 23.9 | 0.93 | 115 |
| | 5-Dec-2019 | 6.72 | 3,019 | 22.0 | 1.36 | 187 |
| | 21-Aug-2019 | 6.80 | 3,390 | 25.0 | 4.24 | 214 |
| | 24-May-2019 | 6.60 | 3,291 | 23.4 | 2.28 | 275 |
| | 8-Mar-2019 | 7.09 | 2,723 | 23.4 | 1.04 | 149 |
| | 30-Nov-2018 | 7.07 | 2,820 | 22.0 | 2.21 | 176 |
| | 27-Aug-2018 | 6.94 | 3,139 | 25.5 | 2.44 | 245 |
| | 1-Jun-2018 | 6.85 | 3,070 | 24.1 | 2.25 | 148 |
| | 27-Feb-2018 | 7.32 | 3,015 | 22.1 | 2.81 | 113 |
| | 20-Nov-2017 | 7.11 | 2,906 | 23.9 | 3.36 | 129 |
| | 28-Aug-2017 | 7.03 | 2,890 | 24.3 | 2.72 | 167 |
| | 9-Jun-2017 | 6.85 | 2,869 | 24.42 | 3.63 | 23.7 |
| | 13-Mar-2017 | 6.99 | 2,829 | 22.47 | 3.01 | 236.5 |
| | 5-Dec-2016 | 7.06 | 2,831 | 22.56 | 5.56 | 186.2 |
| | 7-Sep-2016 | 7.64 | 2,830 | 24.10 | 4.73 | NM |
| | 8-Jun-2016 | 6.96 | 2,762 | 25.21 | 2.12 | 223.8 |
| | 29-Feb-2016 | 7.07 | 2,738 | 22.66 | 4.68 | 251.2 |
| DAD-16 | 6-Sep-2023 | 7.28 | 2,596 | 19.2 | 1.94 | 136 |
| | 30-May-2023 | 7.21 | 2,806 | 20.7 | 2.09 | 149 |
| | 6-Mar-2023 | 7.34 | 2,970 | 19.2 | 2.22 | 208 |
| | 6-Dec-2022 | 7.36 | 2,833 | 19.3 | 2.16 | 172 |
| | 31-Aug-2022 | 7.29 | 3,235 | 19.9 | 2.41 | 90 |
| | 26-May-2022 | 7.33 | 3,466 | 19.5 | 2.59 | 175 |
| | 16-Mar-2022 | 7.47 | 3,326 | 18.5 | 2.55 | 157 |
| | 1-Dec-2021 | 7.84 | 3,338 | 18.5 | 2.55 | 106 |
| | 31-Aug-2021 | 7.58 | 3,454 | 20.1 | 2.63 | 126 |
| | 24-Nov-2015 | 7.22 | 2,630 | 22.17 | 3.36 | 171.1 |
| | 3-Sep-2015 | 7.14 | 2,702 | 23.39 | NM | 240.8 |
| | 4-Jun-2021 | 7.70 | 3,508 | 18.1 | 2.67 | 163 |
| | 3-Mar-2021 | 7.40 | 3,139 | 18.9 | 2.42 | 133 |
| | 2-Dec-2020 | 7.70 | 3,310 | 17.4 | 2.59 | 146 |
| | 31-Aug-2020 | 7.40 | 3,494 | 20.1 | 2.61 | 97 |
| | 1-Jun-2020 | 7.18 | 3,313 | 20.5 | 2.35 | 115 |
| | 25-Feb-2020 | 7.34 | 2,946 | 17.5 | 0.19 | 99 |
| | 5-Dec-2019 | 7.04 | 3,197 | 18.7 | 2.36 | 150 |
| | 20-Aug-2019 | 7.28 | 3,297 | 19.6 | 0.92 | 164 |
| | 23-May-2019 | 6.70 | 3,048 | 18.3 | 1.88 | 255 |
| | 8-Mar-2019 | 7.23 | 2,760 | 18.5 | 1.59 | 155 |
| | 29-Nov-2018 | 7.28 | 3,446 | 18.6 | 1.30 | 173 |
| | 27-Aug-2018 | 7.21 | 3,611 | 19.8 | 3.17 | 237 |
| | 1-Jun-2018 | 7.06 | 3,721 | 18.4 | 2.30 | 156 |
| | 27-Feb-2018 | 7.36 | 2,897 | 20.0 | 1.96 | 134 |
| | 28-Nov-2017 | 7.70 | 3,501 | 19.3 | 3.21 | 88 |
| | 28-Aug-2017 | 7.20 | 4,416 | 20.0 | 3.82 | 184 |
| | 6-Jun-2017 | 6.67 | 3,672 | 18.94 | 2.86 | 187.6 |
| | 8-Mar-2017 | 7.43 | 3,679 | 19.15 | 2.27 | 218.1 |
| | 2-Dec-2016 | 7.42 | 2,551 | 19.22 | 2.29 | 145.9 |
| | 7-Sep-2016 | 7.36 | 4,590 | 19.70 | 2.40 | NM |
| | 6-Jun-2016 | 6.99 | 2,448 | 18.73 | 2.45 | 229.3 |
| | 29-Feb-2016 | 7.33 | 3,106 | 18.49 | 2.60 | 204.9 |

**TABLE 2. SUMMARY OF MONITORING WELL GROUNDWATER FIELD PARAMETERS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | pH | SpC (uS/cm) | Temp (°C) | DO (mg/L) | ORP (mV) |
|---|---|---|---|---|---|---|
| DAD-17 | 11-Sep-2023 | 7.26 | 1,244 | 21.7 | 1.02 | 119 |
| | 1-Jun-2023 | 7.25 | 1,528 | 20.7 | 1.10 | 105 |
| | 8-Mar-2023 | 7.19 | 1,513 | 19.8 | 1.06 | 137 |
| | 8-Dec-2022 | 7.25 | 1,474 | 20.0 | 1.05 | 190 |
| | 1-Sep-2022 | 7.32 | 1,346 | 20.8 | 0.98 | 71 |
| | 31-May-2022 | 7.25 | 1,450 | 20.5 | 1.05 | 172 |
| | 17-Mar-2022 | 7.41 | 1,345 | 20.1 | 1.16 | 154 |
| | 6-Dec-2021 | 7.18 | 1,232 | 19.7 | 1.05 | 168 |
| | 2-Sep-2021 | 7.20 | 1,941 | 22.2 | 1.06 | 102 |
| | 30-Nov-2015 | 7.34 | 3,424 | 18.55 | 2.81 | 229.8 |
| | 2-Sep-2015 | 7.35 | 2,861 | 20.26 | NM | 251.4 |
| | 7-Jun-2021 | 7.77 | 1,510 | 20.9 | 1.07 | 93 |
| | 4-Mar-2021 | 7.75 | 988.7 | 19.7 | 1.05 | 128 |
| | 2-Dec-2020 | 7.74 | 919.0 | 20.1 | 1.12 | 156 |
| | 2-Sep-2020 | 7.29 | 1,711 | 22.2 | 1.09 | 238 |
| | 2-Jun-2020 | 7.30 | 1,207 | 20.3 | 1.11 | 200 |
| | 25-Feb-2020 | 7.55 | 1,121 | 17.8 | 0.73 | 145 |
| | 5-Dec-2019 | 7.09 | 856.9 | 21.5 | 5.21 | 162 |
| | 21-Aug-2019 | 7.40 | 1,196 | 20.5 | 2.29 | 180 |
| | 23-May-2019 | 7.01 | 971.4 | 19.9 | 2.38 | 264 |
| | 8-Mar-2019 | 7.37 | 1,031 | 19.4 | 1.17 | 138 |
| | 29-Nov-2018 | 6.88 | 918.1 | 20.6 | 1.06 | 127 |
| | 24-Aug-2018 | 7.40 | 880.4 | 21.6 | 3.70 | 98 |
| | 31-May-2018 | 7.39 | 935.7 | 19.7 | 2.66 | 56 |
| | 27-Feb-2018 | 7.48 | 863.4 | 20.3 | 2.04 | 113 |
| | 28-Nov-2017 | 7.71 | 992.4 | 21.8 | 3.51 | 105 |
| | 25-Aug-2017 | 7.58 | 1,146 | 21.0 | 2.58 | 185 |
| | 7-Jun-2007 | 7.15 | 1,051 | 20.05 | 2.27 | 82.6 |
| | 13-Mar-2017 | 7.41 | 1,145 | 15.36 | 2.18 | 226.5 |
| | 5-Dec-2016 | 7.42 | 1,225 | 20.94 | 1.09 | 173.9 |
| | 8-Sep-2016 | 7.40 | 1,640 | 20.80 | 1.68 | NM |
| | 6-Jun-2016 | 6.90 | 1,729 | 19.60 | 1.72 | 270.2 |
| | 1-Mar-2016 | 7.56 | 1,550 | 19.74 | 1.54 | 216.9 |
| DAD-18 Vertical Delineation | 12-Sep-2023 | 7.20 | 4,012 | 18.1 | 1.41 | 141 |
| | 5-Jun-2023 | 7.27 | 4,110 | 18.5 | 2.46 | 146 |
| | 8-Mar-2023 | 7.27 | 4,197 | 18.4 | 2.30 | 93 |
| | 8-Dec-2022 | 7.29 | 4,171 | 18.0 | 2.48 | 100 |
| | 12-Sep-2022 | 7.20 | 4,051 | 18.2 | 1.11 | 94 |
| | 31-May-2022 | 7.28 | 3,973 | 18.5 | 2.39 | 84 |
| | 18-Mar-2022 | 7.23 | 3,896 | 17.1 | 2.99 | 185 |
| | 6-Dec-2021 | 7.72 | 3,919 | 17.6 | 2.84 | 63 |
| | 2-Sep-2021 | 7.41 | 4,016 | 19.4 | 2.37 | 140 |
| | 30-Nov-2015 | 7.46 | 1,621 | 19.06 | 2.78 | 226.0 |
| | 2-Sep-2015 | 7.35 | 2,099 | 20.55 | NM | 252.1 |
| | 7-Jun-2021 | 7.32 | 4,121 | 20.0 | 1.93 | 232 |
| | 4-Mar-2021 | 7.86 | 4,111 | 17.7 | 2.21 | 151 |
| | 3-Dec-2020 | 7.21 | 4,082 | 18.0 | 2.41 | 181 |
| | 2-Sep-2020 | 7.41 | 4,258 | 19.6 | 1.74 | 182 |
| | 2-Jun-2020 | 7.44 | 4,289 | 20.4 | 2.96 | 187 |
| | 25-Feb-2020 | 7.68 | 4,070 | 17.3 | 1.01 | 189 |
| | 5-Dec-2019 | 6.74 | 3,955 | 18.2 | 3.58 | 173 |
| | 20-Aug-2019 | 6.95 | 4,150 | 18.8 | 1.53 | 157 |
| | 28-May-2019 | 6.61 | 3,984 | 18.8 | 2.08 | 293 |
| | 11-Mar-2019 | 6.74 | 2,771 | 18.0 | 1.66 | 177 |
| | 29-Nov-2018 | 7.78 | 4,066 | 18.5 | 1.59 | 152 |
| | 28-Aug-2018 | 6.91 | 4,090 | 19.2 | 2.46 | 213 |
| | 4-Jun-2018 | 6.44 | 4,253 | 19.0 | 2.49 | 150 |
| | 28-Feb-2018 | 6.94 | 4,289 | 18.2 | 2.64 | 170 |
| | 29-Nov-2017 | 7.31 | 4,233 | 17.9 | 3.03 | 202 |
| | 29-Aug-2017 | 6.91 | 4,326 | 19.2 | 2.21 | 260 |
| | 12-Jun-2017 | 7.20 | 3,957 | 19.58 | 4.32 | 72.8 |
| | 8-Mar-2017 | 7.19 | 4,011 | 18.81 | 1.41 | 232.4 |
| | 5-Dec-2016 | 7.14 | 3,914 | 18.32 | 2.52 | 191.4 |
| | 9-Sep-2016 | 7.17 | 4,290 | 20.70 | 1.62 | NM |
| | 6-Jun-2016 | 6.95 | 3,722 | 19.15 | 4.73 | 273.2 |
| | 1-Mar-2016 | 7.40 | 3,852 | 18.76 | 4.26 | 329.2 |

**TABLE 2. SUMMARY OF MONITORING WELL GROUNDWATER FIELD PARAMETERS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | pH | SpC (uS/cm) | Temp (°C) | DO (mg/L) | ORP (mV) |
|---|---|---|---|---|---|---|
| DAD-19 Vertical Delineation | 11-Sep-2023 | 7.22 | 4,671 | 25.2 | 2.52 | 160 |
| | 1-Jun-2023 | 7.20 | 4,744 | 22.3 | 1.84 | 156 |
| | 7-Mar-2023 | 7.26 | 4,752 | 22.0 | 2.65 | 151 |
| | 7-Dec-2022 | 7.28 | 4,708 | 20.8 | 2.80 | 174 |
| | 1-Sep-2022 | 7.21 | 4,708 | 22.5 | 2.66 | 116 |
| | 27-May-2022 | 7.24 | 4,655 | 23.1 | 1.55 | 203 |
| | 17-Mar-2022 | 7.20 | 4,570 | 21.7 | 2.66 | 188 |
| | 2-Dec-2021 | 7.53 | 4,603 | 23.8 | 2.67 | 170 |
| | 1-Sep-2021 | 7.68 | 4,673 | 24.1 | 2.59 | 167 |
| | 30-Nov-2015 | 7.23 | 3,781 | 18.11 | 2.89 | 239.5 |
| | 2-Sep-2015 | 7.24 | 4,009 | 19.26 | NM | 252.9 |
| | 4-Jun-2021 | 7.51 | 4,389 | 22.1 | 2.94 | 200 |
| | 3-Mar-2021 | 7.53 | 4,229 | 24.3 | 2.40 | 129 |
| | 4-Dec-2020 | 7.17 | 4,463 | 22.1 | 2.19 | 271 |
| | 3-Sep-2020 | 7.62 | 4,546 | 22.8 | 1.33 | 256 |
| | 2-Jun-2020 | 7.62 | 4,591 | 23.6 | 4.42 | 187 |
| | 25-Feb-2020 | 7.36 | 4,395 | 18.6 | 0.60 | 108 |
| | 4-Dec-2019 | 6.98 | 4,506 | 20.1 | 3.98 | 112 |
| | 20-Aug-2019 | 6.77 | 4,907 | 23.0 | 1.64 | 129 |
| | 28-May-2019 | 6.23 | 4,731 | 23.3 | 1.33 | 274 |
| | 11-Mar-2019 | 6.78 | 2,565 | 21.1 | 1.28 | 179 |
| | 30-Nov-2018 | 6.71 | 4,376 | 21.8 | 1.88 | 191 |
| | 28-Aug-2018 | 7.00 | 4,489 | 22.5 | 1.94 | 186 |
| | 4-Jun-2018 | 6.36 | 4,800 | 23.0 | 2.06 | 112 |
| | 28-Feb-2018 | 6.71 | 4,742 | 21.5 | 2.85 | 155 |
| | 29-Nov-2017 | 6.90 | 4,728 | 21.7 | 3.08 | 192 |
| | 29-Aug-2017 | 6.83 | 4,634 | 22.4 | 2.02 | 225 |
| | 12-Jun-2017 | 7.19 | 4,383 | 22.64 | 4.21 | -29.7 |
| | 13-Mar-2017 | 6.92 | 4,644 | 21.94 | 1.82 | 320.8 |
| | 6-Dec-2016 | 7.34 | 4,573 | 22.75 | 1.80 | 213.7 |
| | 9-Sep-2016 | 7.08 | 4,610 | 23.60 | 1.84 | NM |
| | 8-Jun-2016 | 6.75 | 4,410 | 22.74 | 1.85 | 247.1 |
| | 1-Mar-2016 | 7.10 | 4,729 | 21.91 | 1.98 | 290.9 |
| DAD-20 | 14-Sep-2023 | 7.19 | 3,721 | 23.5 | 2.00 | 132 |
| | 9-Jun-2023 | 7.23 | 4,076 | 22.7 | 1.22 | 131 |
| | 10-Mar-2023 | 7.25 | 3,620 | 22.3 | 1.39 | 146 |
| | 12-Dec-2022 | 7.31 | 3,478 | 21.7 | 2.71 | 207 |
| | 14-Sep-2022 | 7.20 | 3,555 | 23.1 | 2.95 | 115 |
| | 2-Jun-2022 | 7.28 | 4,104 | 23.3 | 1.55 | 207 |
| | 23-Mar-2022 | 7.29 | 4,107 | 21.7 | 2.78 | 195 |
| | 8-Dec-2021 | 7.28 | 3,960 | 22.0 | 2.30 | 169 |
| | 7-Sep-2021 | 7.47 | 3,863 | 22.8 | 2.34 | 142 |
| | 30-Nov-2015 | 7.13 | 4,730 | 21.08 | 3.07 | 248.2 |
| | 2-Sep-2015 | 7.09 | 4,900 | 24.03 | NM | 238.0 |
| | 28-May-2021 | 7.58 | 3,954 | 24.1 | 2.90 | 101 |
| | 8-Mar-2021 | 7.87 | 3,808 | 22.7 | 2.82 | 107 |
| | 7-Dec-2020 | 7.53 | 3,895 | 21.5 | 2.90 | 208 |
| | 8-Sep-2020 | 7.40 | 4,452 | 24.2 | 1.79 | 229 |
| | 4-Jun-2020 | 7.11 | 4,211 | 24.6 | 2.39 | 295 |
| | 19-Feb-2020 | 7.39 | 3,626 | 21.8 | 1.95 | 151 |
| | 2-Dec-2019 | 6.78 | 3,752 | 22.0 | 2.02 | 141 |
| | 21-Aug-2019 | 7.03 | 3,721 | 23.3 | 5.51 | 113 |
| | 28-May-2019 | 6.60 | 3,838 | 22.5 | 1.24 | 285 |
| | 7-Mar-2019 | 7.11 | 2,571 | 22.1 | 1.20 | 143 |
| | 30-Nov-2018 | 7.11 | 3,569 | 20.2 | 1.04 | 174 |
| | 28-Aug-2018 | 7.08 | 3,829 | 23.4 | 1.28 | 235 |
| | 1-Jun-2018 | 6.79 | 3,904 | 23.2 | 1.62 | 145 |
| | 28-Feb-2018 | 7.05 | 3,888 | 21.7 | 1.36 | 186 |
| | 28-Nov-2017 | 7.33 | 3,726 | 22.5 | 5.04 | 198 |
| | 24-Aug-2017 | 7.14 | 3,711 | 23.3 | 4.53 | 63 |
| | 7-Jun-2017 | 6.92 | 3,446 | 22.41 | 2.76 | 175.9 |
| | 10-Mar-2017 | 7.24 | 3,557 | 22.46 | 2.75 | 235.1 |
| | 5-Dec-2016 | 7.19 | 3,719 | 22.19 | 6.05 | 176.2 |
| | 7-Sep-2016 | 7.46 | 3,880 | 23.40 | 6.29 | NM |
| | 6-Jun-2016 | 7.02 | 3,499 | 22.51 | 5.70 | 271.7 |
| | 1-Mar-2016 | 7.42 | 3,517 | 21.55 | 5.29 | 308.0 |

**TABLE 2. SUMMARY OF MONITORING WELL GROUNDWATER FIELD PARAMETERS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | pH | SpC (uS/cm) | Temp (°C) | DO (mg/L) | ORP (mV) |
|---|---|---|---|---|---|---|
| DAD-21 | 13-Sep-2023 | 7.20 | 4,126 | 22.8 | 2.49 | 141 |
| | 6-Jun-2023 | 7.19 | 4,305 | 22.8 | 2.79 | 141 |
| | 9-Mar-2023 | 7.30 | 3,787 | 22.2 | 2.48 | 105 |
| | 9-Dec-2022 | 7.20 | 3,501 | 21.1 | 2.58 | 175 |
| | 13-Sep-2022 | 7.22 | 3,851 | 22.6 | 2.83 | 132 |
| | 1-Jun-2022 | 7.18 | 4,350 | 23.3 | 2.35 | 170 |
| | 22-Mar-2022 | 7.40 | 4,255 | 21.1 | 2.33 | 180 |
| | 7-Dec-2021 | 7.30 | 4,303 | 22.1 | 2.43 | 111 |
| | 3-Sep-2021 | 7.18 | 4,587 | 23.1 | 2.85 | 160 |
| | 28-May-2021 | 7.31 | 5,019 | 22.3 | 2.98 | 120 |
| | 8-Mar-2021 | 7.15 | 4,798 | 21.6 | 2.90 | 251 |
| | 7-Dec-2020 | 7.19 | 4,736 | 20.8 | 2.94 | 218 |
| | 3-Sep-2020 | 7.40 | 5,055 | 24.3 | 1.77 | 185 |
| | 3-Jun-2020 | 7.38 | 5,089 | 23.4 | 2.36 | 179 |
| | 19-Feb-2020 | 7.12 | 4,493 | 20.3 | 2.64 | 162 |
| | 6-Dec-2019 | 6.42 | 4,622 | 21.5 | 2.43 | 188 |
| | 21-Aug-2019 | 6.92 | 4,608 | 23.4 | 2.80 | 141 |
| | 24-May-2019 | 6.34 | 4,382 | 22.4 | 1.30 | 284 |
| | 7-Mar-2019 | 6.84 | 2,700 | 21.4 | 1.20 | 144 |
| | 30-Nov-2018 | 7.07 | 3,601 | 20.4 | 1.53 | 148 |
| | 27-Aug-2018 | 6.77 | 4,447 | 23.3 | 1.74 | 216 |
| | 4-Jun-2018 | 6.45 | 4,615 | 21.8 | 2.42 | 164 |
| | 28-Feb-2018 | 7.04 | 4,649 | 19.9 | 2.21 | 191 |
| | 28-Nov-2017 | 7.09 | 4,340 | 21.8 | 2.68 | 192 |
| | 23-Aug-2017 | 6.87 | 3,914 | 23.4 | 3.37 | 150 |
| | 9-Jun-2017 | 6.65 | 3,822 | 22.21 | 2.96 | 133.2 |
| | 10-Mar-2017 | 6.97 | 4,354 | 20.41 | 2.52 | 191.6 |
| | 6-Dec-2016 | 7.33 | 3,969 | 19.88 | 6.24 | 489.8 |
| | 7-Sep-2016 | 6.94 | 4,920 | 22.90 | 2.70 | NM |
| | 6-Jun-2016 | 6.66 | 3,931 | 22.03 | 3.98 | 271.5 |
| | 29-Feb-2016 | 7.00 | 3,327 | 21.97 | 3.68 | 227.5 |
| DAD-22 | 13-Sep-2023 | 7.25 | 3,676 | 23.8 | 2.79 | 130 |
| | 6-Jun-2023 | 7.24 | 3,700 | 23.9 | 2.60 | 133 |
| | 9-Mar-2023 | 7.62 | 3,690 | 23.3 | 2.80 | 168 |
| | 9-Dec-2022 | 7.35 | 3,697 | 22.2 | 2.84 | 143 |
| | 14-Sep-2022 | 7.19 | 3,694 | 23.0 | 2.86 | 144 |
| | 2-Jun-2022 | 7.17 | 3,692 | 23.2 | 2.84 | 193 |
| | 23-Mar-2022 | 7.14 | 3,708 | 22.4 | 2.83 | 196 |
| | 8-Dec-2021 | 7.17 | 3,712 | 22.0 | 2.86 | 165 |
| | 3-Sep-2021 | 7.54 | 3,673 | 25.5 | 2.11 | 155 |
| | 23-Nov-2015 | 7.17 | 3,174 | 21.19 | 4.52 | 122.1 |
| | 2-Sep-2015 | 7.17 | 3,349 | 23.03 | NM | 225.0 |
| | 28-May-2021 | 7.51 | 3,694 | 24.2 | 2.80 | 142 |
| | 8-Mar-2021 | 7.49 | 3,621 | 23.6 | 2.75 | 153 |
| | 7-Dec-2020 | 7.52 | 3,608 | 21.9 | 2.80 | 214 |
| | 8-Sep-2020 | 7.30 | 5,963 | 23.1 | 1.58 | 204 |
| | 3-Jun-2020 | 7.34 | 3,810 | 24.6 | 2.83 | 184 |
| | 19-Feb-2020 | 7.54 | 3,581 | 22.6 | 2.14 | 137 |
| | 6-Dec-2019 | 7.11 | 3,432 | 22.1 | 4.25 | 137 |
| | 21-Aug-2019 | 7.27 | 3,752 | 25.2 | 2.98 | 179 |
| | 24-May-2019 | 6.54 | 3,012 | 24.1 | 1.87 | 274 |
| | 7-Mar-2019 | 7.18 | 2,879 | 23.4 | 2.20 | 137 |
| | 30-Nov-2018 | 7.64 | 2,839 | 21.1 | 1.98 | 149 |
| | 24-Aug-2018 | 7.43 | 3,692 | 24.7 | 2.84 | 133 |
| | 1-Jun-2018 | 7.37 | 3,831 | 25.9 | 1.88 | 137 |
| | 27-Feb-2018 | 7.31 | 3,856 | 22.9 | 1.70 | 150 |
| | 28-Nov-2017 | 7.91 | 3,847 | 23.6 | 3.84 | 191 |
| | 23-Aug-2017 | 7.26 | 3,812 | 25.5 | 3.24 | 141 |
| | 7-Jun-2017 | 7.12 | 4,114 | 27.32 | 4.63 | 91.5 |
| | 7-Mar-2017 | 7.70 | 3,915 | 22.36 | 2.29 | 202.1 |
| | 5-Dec-2016 | 7.36 | 3,808 | 22.17 | 4.75 | 170.5 |
| | 6-Sep-2016 | 7.68 | 4,060 | 2.39 | 3.72 | NM |
| | 8-Jun-2016 | 6.98 | 3,907 | 24.86 | 4.36 | 230.3 |
| | 25-Feb-2016 | 7.12 | 3,802 | 22.15 | 3.71 | 192.0 |

**TABLE 2. SUMMARY OF MONITORING WELL GROUNDWATER FIELD PARAMETERS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | pH | SpC (uS/cm) | Temp (°C) | DO (mg/L) | ORP (mV) |
|---|---|---|---|---|---|---|
| DAD-23 | 31-Aug-2023 | 7.37 | 3,881 | 24.5 | 2.22 | 103 |
| | 26-May-2023 | 7.22 | 3,760 | 23.3 | 2.53 | 148 |
| | 3-Mar-2023 | 7.24 | 3,105 | 21.0 | 1.74 | 151 |
| | 5-Dec-2022 | 7.23 | 3,425 | 22.7 | 2.26 | 177 |
| | 26-Aug-2022 | 7.28 | 2,607 | 23.4 | 1.83 | 77 |
| | 25-May-2022 | 7.30 | 3,473 | 23.2 | 1.79 | 188 |
| | 15-Mar-2022 | 7.52 | 3,691 | 22.2 | 1.98 | 138 |
| | 1-Dec-2021 | 7.20 | 3,175 | 21.9 | 1.80 | 172 |
| | 26-Aug-2021 | 7.88 | 3,510 | 23.6 | 1.71 | 106 |
| | 23-Nov-2015 | 7.28 | 2,913 | 22.16 | 3.95 | 126.0 |
| | 2-Sep-2015 | 7.65 | 4,065 | 25.17 | NM | 207.8 |
| | 3-Jun-2021 | 7.37 | 3,377 | 23.0 | 1.58 | 141 |
| | 2-Mar-2021 | 7.90 | 3,336 | 22.4 | 1.67 | 122 |
| | 1-Dec-2020 | 7.68 | 2,113 | 22.2 | 1.60 | 144 |
| | 28-Aug-2020 | 7.57 | 2,081 | 24.8 | 1.54 | 62 |
| | 1-Jun-2020 | 7.34 | 2,386 | 22.6 | 1.75 | 161 |
| | 26-Feb-2020 | 7.62 | 2,043 | 21.4 | 0.61 | 119 |
| | 6-Dec-2019 | 7.34 | 2,911 | 21.4 | 3.70 | 165 |
| | 19-Aug-2019 | 7.45 | 2,614 | 24.2 | 2.91 | 103 |
| | 24-May-2019 | 7.03 | 2,511 | 22.9 | 2.71 | 293 |
| | 8-Mar-2019 | 7.42 | 2,973 | 22.5 | 1.23 | 164 |
| | 28-Nov-2018 | 7.93 | 3,168 | 21.9 | 1.79 | 146 |
| | 27-Aug-2018 | 7.54 | 2,388 | 23.8 | 1.23 | 248 |
| | 31-May-2018 | 7.04 | 3,050 | 23.4 | 3.04 | 118 |
| | 26-Feb-2018 | 7.82 | 3,046 | 22.0 | 2.21 | 144 |
| | 29-Nov-2017 | 7.66 | 3,178 | 22.6 | 2.88 | 179 |
| | 24-Aug-2017 | 7.37 | 3,565 | 23.4 | 2.59 | 209 |
| | 7-Jun-2017 | 7.29 | 3,380 | 23.87 | 4.96 | 64.9 |
| | 7-Mar-2017 | 7.55 | 3,433 | 21.99 | 2.54 | 181.5 |
| | 5-Dec-2016 | 7.65 | 2,354 | 22.16 | 2.64 | 197.4 |
| | 7-Sep-2016 | 7.40 | 3,580 | 23.10 | 2.52 | NM |
| DAD-24 Vertical Delineation | 11-Sep-2023 | 7.19 | 4,377 | 25.3 | 2.33 | 142 |
| | 1-Jun-2023 | 7.21 | 4,327 | 24.4 | 2.30 | 156 |
| | 7-Mar-2023 | 7.25 | 4,255 | 22.9 | 2.87 | 130 |
| | 7-Dec-2022 | 7.29 | 4,233 | 21.7 | 2.80 | 195 |
| | 1-Sep-2022 | 7.23 | 4,180 | 23.8 | 1.93 | 134 |
| | 27-May-2022 | 7.29 | 4,135 | 24.5 | 1.36 | 167 |
| | 17-Mar-2022 | 7.24 | 4,044 | 22.1 | 2.63 | 194 |
| | 2-Dec-2021 | 7.25 | 4,054 | 21.8 | 1.27 | 116 |
| | 1-Sep-2021 | 7.23 | 4,050 | 23.1 | 2.93 | 142 |
| | 2-Jun-2016 | 7.54 | 2,308 | 23.32 | 1.64 | 62.0 |
| | 29-Feb-2016 | 7.60 | 2,402 | 22.54 | 1.10 | 126.8 |
| | 4-Jun-2021 | 7.12 | 4,060 | 22.4 | 1.29 | 178 |
| | 3-Mar-2021 | 7.40 | 4,011 | 22.3 | 2.54 | 116 |
| | 4-Dec-2020 | 7.09 | 3,944 | 22.2 | 1.01 | 217 |
| | 2-Sep-2020 | 7.74 | 4,135 | 24.8 | 2.09 | 188 |
| | 2-Jun-2020 | 7.63 | 4,205 | 24.3 | 2.89 | 191 |
| | 25-Feb-2020 | 7.00 | 3,770 | 20.3 | 0.39 | 114 |
| | 4-Dec-2019 | 6.47 | 3,881 | 21.5 | 4.21 | 96 |
| | 20-Aug-2019 | 6.58 | 4,077 | 23.4 | 1.89 | 114 |
| | 28-May-2019 | 6.42 | 3,978 | 22.7 | 1.71 | 275 |
| | 11-Mar-2019 | 6.80 | 2,533 | 21.2 | 1.44 | 153 |
| | 30-Nov-2018 | 6.70 | 3,797 | 21.4 | 1.30 | 175 |
| | 31-Aug-2018 | 6.60 | 3,978 | 22.5 | 1.29 | 118 |
| | 4-Jun-2018 | 6.32 | 4,011 | 24.3 | 3.56 | 106 |
| | 28-Feb-2018 | 6.66 | 4,091 | 21.6 | 3.31 | 179 |
| | 29-Nov-2017 | 6.64 | 4,114 | 21.5 | 3.11 | 175 |
| | 29-Aug-2007 | 6.61 | 4,199 | 22.7 | 1.60 | 224 |
| | 12-Jun-2017 | 6.92 | 4,221 | 24.28 | 2.78 | 226.3 |
| | 13-Mar-2017 | 6.70 | 4,248 | 22.44 | 1.35 | 220.8 |
| | 6-Dec-2016 | 7.00 | 4,221 | 23.71 | 0.30 | -261.3 |
| | 9-Sep-2016 | 7.13 | 2,860 | 23.20 | 1.28 | NM |

**TABLE 2. SUMMARY OF MONITORING WELL GROUNDWATER FIELD PARAMETERS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | pH | SpC (uS/cm) | Temp (°C) | DO (mg/L) | ORP (mV) |
|---|---|---|---|---|---|---|
| DAD-25 | 12-Sep-2023 | 7.21 | 3,341 | 22.7 | 2.57 | 141 |
| | 5-Jun-2023 | 7.25 | 3,328 | 23.5 | 2.83 | 130 |
| | 9-Mar-2023 | 7.23 | 3,051 | 22.2 | 2.21 | 133 |
| | 8-Dec-2022 | 7.41 | 3,012 | 22.6 | 2.23 | 110 |
| | 12-Sep-2022 | 7.31 | 2,889 | 23.8 | 2.09 | 72 |
| | 1-Jun-2022 | 7.25 | 2,251 | 22.4 | 1.72 | 190 |
| | 18-Mar-2022 | 7.61 | 1,297 | 22.4 | 1.02 | 163 |
| | 7-Dec-2021 | 7.76 | 1,467 | 21.2 | 1.13 | 101 |
| | 3-Sep-2021 | 7.45 | 1,221 | 24.1 | 1.00 | 94 |
| | 8-Jun-2016 | 6.97 | 2,634 | 22.98 | 1.86 | 244.7 |
| | 1-Mar-2016 | 7.20 | 2,507 | 22.26 | 1.89 | 237.4 |
| | 7-Jun-2021 | 7.19 | 3,460 | 23.9 | 2.84 | 204 |
| | 4-Mar-2021 | 7.66 | 3,289 | 22.1 | 2.52 | 132 |
| | 3-Dec-2020 | 7.57 | 3,204 | 20.8 | 2.54 | 208 |
| | 2-Sep-2020 | 7.33 | 3,150 | 25.0 | 2.32 | 208 |
| | 2-Jun-2020 | 7.10 | 3,119 | 24.8 | 2.42 | 165 |
| | 26-Feb-2020 | 7.55 | 2,840 | 21.4 | 0.87 | 105 |
| | 6-Dec-2019 | 6.67 | 2,755 | 20.9 | 1.84 | 231 |
| | 22-Aug-2019 | 7.15 | 2,712 | 25.0 | 3.42 | 262 |
| | 28-May-2019 | 6.79 | 2,547 | 22.3 | 2.47 | 296 |
| | 11-Mar-2019 | 7.09 | 2,207 | 21.3 | 2.17 | 142 |
| | 29-Nov-2018 | 7.34 | 2,521 | 21.7 | 1.93 | 127 |
| | 28-Aug-2018 | 7.53 | 2,425 | 22.9 | 2.41 | 189 |
| | 4-Jun-2018 | 6.87 | 2,393 | 22.5 | 3.17 | 125 |
| | 27-Feb-2018 | 7.09 | 2,300 | 22.9 | 3.28 | 146 |
| | 27-Nov-2017 | 7.51 | 2,256 | 22.3 | 3.29 | 157 |
| | 25-Aug-2017 | 7.12 | 2,706 | 23.0 | 3.64 | 232 |
| | 8-Jun-2017 | 6.73 | 2,663 | 23.04 | 4.82 | 54.7 |
| | 10-Mar-2017 | 7.12 | 4,093 | 22.57 | 3.34 | 247.5 |
| | 2-Dec-2016 | 6.98 | 4,949 | 21.57 | 3.02 | 131.3 |
| | 8-Sep-2016 | 7.17 | 5,560 | 23.10 | 3.32 | NM |

**TABLE 2. SUMMARY OF MONITORING WELL GROUNDWATER FIELD PARAMETERS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Measured | pH | SpC (uS/cm) | Temp (°C) | DO (mg/L) | ORP (mV) |
|---|---|---|---|---|---|---|
| DAD-26 | 14-Sep-2023 | 7.18 | 4,382 | 23.6 | 1.35 | 126 |
| | 6-Jun-2023 | 7.19 | 3,286 | 23.7 | 2.53 | 133 |
| | 10-Mar-2023 | 7.25 | 3,440 | 22.6 | 2.70 | 140 |
| | 12-Dec-2022 | 7.27 | 2,982 | 22.0 | 2.21 | 174 |
| | 14-Sep-2022 | 7.24 | 3,067 | 23.4 | 2.34 | 124 |
| | 2-Jun-2022 | 7.24 | 3,000 | 23.3 | 2.24 | 205 |
| | 23-Mar-2022 | 7.25 | 2,906 | 22.3 | 2.19 | 193 |
| | 8-Dec-2021 | 7.11 | 2,587 | 22.3 | 1.95 | 156 |
| | 7-Sep-2021 | 7.18 | 2,918 | 23.7 | 2.14 | 115 |
| | 6-Jun-2016 | 6.79 | 3,918 | 22.59 | 3.04 | 268.3 |
| | 1-Mar-2016 | 7.11 | 5,434 | 22.49 | 2.12 | 297.6 |
| | 28-May-2021 | 7.75 | 3,390 | 24.3 | 2.54 | 132 |
| | 8-Mar-2021 | 7.59 | 3,733 | 23.0 | 2.90 | 128 |
| | 7-Dec-2020 | 7.23 | 3,040 | 21.8 | 2.32 | 245 |
| | 8-Sep-2020 | 7.39 | 3,558 | 23.8 | 2.56 | 197 |
| | 3-Jun-2020 | 7.75 | 3,725 | 23.8 | 2.79 | 174 |
| | 19-Feb-2020 | 7.49 | 2,189 | 23.0 | 2.00 | 191 |
| | 6-Dec-2019 | 7.13 | 1,659 | 23.7 | 4.13 | 158 |
| | 21-Aug-2019 | 6.92 | 3,715 | 24.3 | 1.17 | 210 |
| | 28-May-2019 | 6.37 | 3,735 | 22.7 | 2.60 | 285 |
| | 7-Mar-2019 | 6.71 | 2,631 | 22.5 | 1.44 | 155 |
| | 30-Nov-2018 | 7.02 | 3,233 | 18.3 | 1.17 | 160 |
| | 28-Aug-2018 | 7.30 | 4,386 | 23.4 | 1.16 | 224 |
| | 4-Jun-2018 | 6.31 | 4,516 | 22.9 | 2.84 | 161 |
| | 28-Feb-2018 | 6.72 | 4,910 | 22.1 | 3.37 | 187 |
| | 28-Nov-2017 | 6.97 | 5,006 | 22.7 | 2.93 | 200 |
| | 28-Aug-2017 | 6.71 | 5,160 | 23.0 | 3.12 | 205 |
| | 9-Jun-2017 | 6.59 | 5,039 | 23.4 | 3.02 | 37.3 |
| | 10-Mar-2017 | 6.81 | 5,283 | 22.37 | 2.65 | 310.3 |
| | 6-Dec-2016 | 7.25 | 5,006 | 21.07 | 3.01 | 285.3 |
| | 8-Sep-2016 | 7.16 | 4,880 | 23.60 | 2.40 | NM |
| | 6-Jun-2016 | 6.70 | 4,273 | 23.39 | 1.77 | 270.3 |
| | 1-Mar-2016 | 7.30 | 3,959 | 21.09 | 1.36 | 245.7 |
| DAD-27 | 14-Sep-2023 | 7.26 | 3,118 | 22.0 | 2.45 | 123 |
| | 6-Jun-2023 | 7.22 | 3,065 | 22.4 | 2.23 | 138 |
| | 10-Mar-2023 | 7.18 | 2,818 | 21.4 | 2.15 | 141 |
| | 12-Dec-2022 | 7.18 | 3,013 | 21.3 | 2.35 | 182 |

**Notes:**
* = Monitoring well contains a pump; as a result, DO and ORP values are not representative of aquifer conditions.
°C = Degrees Celsius
DO = Dissolved oxygen
mg/L = Milligrams per liter
mV = Millivolts
NM = Not measured
NS = Not sampled
ORP = Oxidation-reduction potential
SpC = Specific conductance
Temp = Temperature
uS/cm = Microsiemens per centimeter
Data from current quarter.
Red text indicates suspect result.

**TABLE 3. SUMMARY OF SAMPLE ANALYTICAL METHODS AND SAMPLING REQUIREMENTS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Target Analytes | Analytical Method | Sample Container | Preservative | Holding Time |
|---|---|---|---|---|
| Nitrate as N | EPA 300.0 | 500 mL HDPE | Cool to <6°C | 48 hours |
| Nitrate + Nitrite as N | EPA 300.0 | 500 mL HDPE | $H_2SO_4$ to pH <2, Cool to <6°C | 28 days |
| Total Kjeldhal Nitrogen | SM 4500 NORG C | 500 mL HDPE | $H_2SO_4$ to pH <2, Cool to <6°C | 28 days |
| Chloride | EPA 300.0 | 500 mL HDPE | Cool to <6°C | 28 days |
| Total Dissolved Solids | SM 2540 C MOD | 500 mL HDPE | Cool to <6°C | 7 days |

**Notes:**
°C = Degrees Celsius
EPA = U.S. Environmental Protection Agency
$H_2SO_4$ = Sulfuric acid
HDPE = High-density polyethylene
mL = milliliter
MOD = Modified
N = Nitrogen
SM = Standard method

**TABLE 4. ABATEMENT PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Sampled | Nitrate (mg/l) | TKN (mg/l) | Chloride (mg/l) | TDS (mg/l) | Sulfate (mg/l) |
|---|---|---|---|---|---|---|
| **Abatement Plan Monitoring Wells** | | | | | | |
| **Northern Portion** | | | | | | |
| DAD-01 | 30-Aug-23 | 13 | <2.0 | 390 | 1,310 | NA |
| | 25-May-23 | 13 | <2.0 | 370 | 1,460 | NA |
| | 2-Mar-23 | 16 | <2.0 | 470 | 1,690 | NA |
| | 1-Dec-22 | 12 | <2.0 | 420 | 1,520 | NA |
| | 24-Aug-22 | 10 | <2.0 | 360 | 1,520 | NA |
| | 24-May-22 | 16 | <2.0 | 370 | 1,530 | NA |
| | 3-Mar-22 | 20 | <5.0 | 420 | 1,750 | NA |
| | 23-Nov-21 | 18 | <2.0 | 380 | 819 | NA |
| | 25-Aug-21 | 20 | <5.0 | 350 | 1,520 | NA |
| | 1-Jun-21 | 19 | <2.0 | 340 | 1,510 | NA |
| | 1-Mar-21 | 18 | <2.0 | 410 | 1,660 | NA |
| | 30-Nov-20 | 16 | <2.0 | 430 | 1,640 | NA |
| | 27-Aug-20 | 16 | <2.0 | 310 | 1,390 | NA |
| | 29-May-20 | 15 | <5.0 | 310 | 1,420 | NA |
| | 21-Feb-20 | 13 | <1.0 | 420 | 1,740 | NA |
| | 3-Dec-19 | 12 | <2.0 | 360 | 1,500 | NA |
| | 19-Aug-19 | 12 | <2.0 | 290 | 1,520 | NA |
| | 22-May-19 | 13 | <2.0 | 300 | 1,420 | NA |
| | 5-Mar-19 | 11 | <2.0 | 350 | 1,690 | NA |
| | 28-Nov-18 | 12 | <2.0 | 320 | 1,430 | NA |
| | 24-Aug-18 | 15 | <2.0 | 280 | 1,350 | NA |
| | 31-May-18 | 15 | <2.0 | 250 | 1,310 | NA |
| | 26-Feb-18 | 9.5 | <1.0 | 350 | 1,520 | NA |
| | 20-Nov-17 | 9.46 | <0.300 | 400 | 1,500 | NA |
| | 24-Aug-17 | 10.4 | <0.0500 | 396 | 1,560 | NA |
| | 8-Jun-17 | 17.0 | <0.100 | 354 | 1,600 | NA |
| | 7-Mar-17 | 7.90 | <0.300 | 438 | 1,620 | NA |
| | 30-Nov-16 | 5.19 | <0.300 | 482 | 1,690 | NA |
| | 6-Sep-16 | 5.35 | <0.937 | 502 | 1,580 | NA |
| | 2-Jun-16 | 3.27 | <2.24 | 457 | 1,730 | NA |
| | 25-Feb-16 | 2.70 | 7.28 | 512 | 1,770 | NA |
| | 23-Nov-15 | 4.17 | <1.18 | 491 | 1,680 | NA |
| | 1-Sep-15 | 8.52 | 2.10 | 420 | 1,600 | NA |
| | 27-May-15 | 10.9 | <1.18 | 418 | 1,640 | NA |
| | 4-Mar-15 | 4.70 | <1.80 | 459 | 1,910 | NA |
| | 3-Dec-14 | 6.53 | <1.80 | 468 | 1,780 | NA |
| | 29-Aug-14 | 8.28 | <1.80 | 425 | 1,830 | NA |
| | 3-Jun-14 | 6.13 | <1.80 | 491 | 2,020 | NA |
| | 10-Mar-14 | 5.76 | <1.66 | 496 | 1,780 | NA |
| | 11-Dec-13 | 7.61 | 3.50 | 471 | 1,760 | NA |
| | 10-Sep-13 | 4.43 | 2.80 | 472 | 1,920 | NA |
| | 16-May-13 | 10.4 | <1.66 | 408 | 1,930 | NA |
| | 28-Feb-13 | 10.0 | <1.72 | 469 | 1,740 | NA |
| | 3-Dec-12 | 10.7 | <1.72 | 348 | 1,800 | NA |
| | 21-Aug-12 | 9.98 | <1.72 | 373 | 1,640 | NA |
| | 9-May-12 | 6.88 | 2.80 | 401 | 1,660 | NA |
| | 31-Jan-12 | 9.90 | 2.52 | 439 | 1,520 | NA |
| | 27-Oct-11 | 9.56 | 3.50 | 436 | 1,840 | 256 |
| | 20-Jul-11 | 12.0 | 2.38 | 426 | 1,650 | NA |
| | 20-Apr-11 | 10.3 | <2.17 | 460 | 1,710 | NA |
| | 24-Jan-11 | 19.8 | 3.50 | 408 | 1,820 | NA |
| | 16-Sep-10 | 7.56 | <10.0 | 439 | 1,800 | NA |
| | 29-Jun-10 | 8.55 | <1.0 | 491 | 2,120 | NA |
| | 21-Mar-10 | 6.3 | <5.0 | 500 | 1,780 | NA |
| | 9-Dec-09 | 7.5 | 1.5 | 550 | 2,010 | NA |
| NMED Split | 9-Dec-09 | 7.3 | 2.8 | 468 | 356 | 264 |
| | 29-Aug-09 | 7.3 | <5.0 | 540 | 1,970 | NA |
| | 12-May-09 | 5.6 | <1.0 | 540 | 1,800 | NA |

**TABLE 4. ABATEMENT PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Sampled | Nitrate (mg/l) | TKN (mg/l) | Chloride (mg/l) | TDS (mg/l) | Sulfate (mg/l) |
|---|---|---|---|---|---|---|
| DAD-02 | 5-Sep-23 | 6.9 | <2.0 | 610 | 2,070 | NA |
| | 26-May-23 | 8.4 | <2.0 | 460 | 1,610 | NA |
| | 3-Mar-23 | 9.2 | <1.0 | 400 | 1,480 | NA |
| | 5-Dec-22 | 8.7 | <1.0 | 380 | 1,560 | NA |
| | 26-Aug-22 | 9.6 | <1.0 | 350 | 1,540 | NA |
| | 25-May-22 | 9.5 | <1.0 | 310 | 1,280 | NA |
| | 16-Mar-22 | 8.8 | <1.0 | 300 | 1,230 | NA |
| | 30-Nov-21 | 9.0 | <1.0 | 270 | 1,140 | NA |
| | 26-Aug-21 | 8.8 | <1.0 | 250 | 1,090 | NA |
| | 3-Jun-21 | 8.7 | <1.0 | 230 | 1,070 | NA |
| | 2-Mar-21 | 9.4 | <1.0 | 240 | 1,110 | NA |
| | 1-Dec-20 | 9.0 | <1.0 | 250 | 1,090 | NA |
| | 28-Aug-20 | 8.1 | <1.0 | 250 | 1,110 | NA |
| | 29-May-20 | 8.5 | <2.0 | 230 | 1,070 | NA |
| | 21-Feb-20 | 8.9 | <1.0 | 250 | 1,240 | NA |
| | 4-Dec-19 | 8.9 | <2.0 | 260 | 1,180 | NA |
| | 19-Aug-19 | 8.3 | <1.0 | 270 | 1,140 | NA |
| | 22-May-19 | 7.8 | <1.0 | 280 | 1,220 | NA |
| | 5-Mar-19 | 7.6 | <1.0 | 290 | 1,350 | NA |
| | 28-Nov-18 | 10 | <2.0 | 350 | 1,410 | NA |
| | 24-Aug-18 | 11 | <2.0 | 390 | 1,440 | NA |
| | 31-May-18 | 9.4 | <1.0 | 430 | 1,570 | NA |
| | 26-Feb-18 | 10 | <2.0 | 490 | 1,640 | NA |
| | 20-Nov-17 | 11.7 | <0.300 | 534 | 1,500 | NA |
| | 24-Aug-17 | 11.4 | <0.0500 | 479 | 1,580 | NA |
| | 8-Jun-17 | 11.3 | <0.100 | 473 | 1,570 | NA |
| | 7-Mar-17 | 11.5 | <0.300 | 522 | 1,650 | NA |
| | 30-Nov-16 | 10.1 | <0.300 | 506 | 1,610 | NA |
| | 6-Sep-16 | 9.10 | <0.937 | 500 | 1,460 | NA |
| | 2-Jun-16 | 9.45 | <2.24 | 467 | 1,470 | NA |
| | 25-Feb-16 | 10.7 | 5.60 | 520 | 1,480 | NA |
| | 23-Nov-15 | 10.3 | <1.18 | 493 | 1,600 | NA |
| | 31-Aug-15 | 10.3 | 3.50 | 511 | 1,760 | NA |
| | 27-May-15 | 10.6 | <1.18 | 465 | 1,540 | NA |
| | 4-Mar-15 | 9.15 | <1.80 | 440 | 1,560 | NA |
| | 3-Dec-14 | 8.47 | <1.80 | 542 | 1,710 | NA |
| | 29-Aug-14 | 7.05 | <1.80 | 451 | 1,690 | NA |
| | 3-Jun-14 | 5.18 | <1.80 | 506 | 1,640 | NA |
| | 10-Mar-14 | 7.75 | <1.66 | 463 | 1,620 | NA |
| | 11-Dec-13 | 7.91 | 2.80 | 443 | 1,540 | NA |
| | 9-Sep-13 | 7.14 | <1.66 | 337 | 1,900 | NA |
| | 16-May-13 | 9.19 | <1.66 | 393 | 1,750 | NA |
| | 1-Mar-13 | 8.52 | <1.72 | 357 | 1,520 | NA |
| | 3-Dec-12 | 8.51 | <1.72 | 345 | 1,800 | NA |
| | 21-Aug-12 | 4.39 | 2.10 | 301 | 1,570 | NA |
| | 9-May-12 | 7.71 | <1.72 | 373 | 1,830 | NA |
| | 31-Jan-12 | 7.66 | <2.17 | 335 | 1,720 | NA |
| | 27-Oct-11 | 8.30 | 2.52 | 380 | 1,360 | 475 |
| | 20-Jul-11 | 7.66 | <2.17 | 374 | 1,750 | NA |
| | 21-Apr-11 | 7.97 | <2.17 | 434 | 1,760 | NA |
| | 24-Jan-11 | 6.38 | 2.80 | 443 | 2,240 | NA |
| | 16-Sep-10 | 3.44 | <10.0 | 385 | 1,790 | NA |
| | 29-Jun-10 | 8.11 | < 0.5 | 364 | 1,870 | NA |
| | 21-Mar-10 | 8.1 | <1.0 | 420 | 1,970 | NA |
| | 9-Dec-09 | 9.0 | <1.0 | 440 | 1,920 | NA |
| NMED Split | 9-Dec-09 | 9 | 0.39 | 388 | 1,970 | 586 |
| | 29-Aug-09 | 9.9 | <2.0 | 490 | 1,890 | NA |
| | 14-May-09 | 7.4 | <5.0 | 350 | 1,700 | NA |

**TABLE 4. ABATEMENT PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Sampled | Nitrate (mg/l) | TKN (mg/l) | Chloride (mg/l) | TDS (mg/l) | Sulfate (mg/l) |
|---|---|---|---|---|---|---|
| DAD-11 Vertical Delineation (formerly 177-03) | 31-Aug-23 | 24 | <5.0 | 860 | 3,280 | NA |
| | 25-May-23 | 17 | <2.0 | 730 | 3,100 | NA |
| | 3-Mar-23 | 13 | <1.0 | 770 | 2,970 | NA |
| | 2-Dec-22 | 11 | <2.0 | 590 | 2,860 | NA |
| | 25-Aug-22 | 12 | <2.0 | 640 | 2,820 | NA |
| | 25-May-22 | 12 | <2.0 | 680 | 2,830 | NA |
| | 15-Mar-22 | 11 | <2.0 | 640 | 2,850 | NA |
| | 30-Nov-21 | 12 | <2.0 | 640 | 2,780 | NA |
| | 25-Aug-21 | 12 | <2.0 | 650 | 2,790 | NA |
| | 1-Jun-21 | 12 | 2.5 | 640 | 2,810 | NA |
| | 1-Mar-21 | 13 | <2.0 | 620 | 2,730 | NA |
| | 1-Dec-20 | 13 | <2.0 | 630 | 2,700 | NA |
| | 28-Aug-20 | 11 | <2.0 | 610 | 2,670 | NA |
| | 26-Feb-20 | 12 | <2.0 | 670 | 2,690 | NA |
| | 12-Dec-19 | 13 | <2.0 | 610 | 2,670 | NA |
| | 20-Aug-19 | 13 | <2.0 | 690 | 2,820 | NA |
| | 28-May-19 | 13 | <2.0 | 690 | 2,840 | NA |
| | 11-Mar-19 | 13 | <2.0 | 670 | 2,740 | NA |
| | 3-Dec-18 | 13 | <2.0 | 710 | 2,840 | NA |
| | 29-Aug-18 | 16 | <2.0 | 730 | 2,960 | NA |
| | 31-May-18 | 14 | <2.0 | 690 | 2,930 | NA |
| | 26-Feb-18 | 10 | <2.0 | 590 | 2,450 | NA |
| | 29-Nov-17 | 3.80 | <0.0500 | 447 | 1,660 | NA |
| | 29-Aug-17 | 11.5 | <0.0500 | 550 | 2,350 | NA |
| | 6-Jun-17 | 12.3 | 0.564 | 821 | 3,030 | NA |
| | 8-Mar-17 | 14.0 | 0.627 | 983 | 3,420 | NA |
| | 5-Dec-16 | 7.40 | <0.300 | 691 | 2,680 | NA |
| | 8-Sep-16 | 15.4 | <0.937 | 1,200 | 3,960 | NA |
| | 8-Jun-16 | 14.3 | <2.24 | 1,060 | 4,040 | NA |
| | 29-Feb-16 | 13.5 | <1.18 | 1,060 | 3,040 | NA |
| | 24-Nov-15 | 17.1 | 8.40 | 1,320 | 4,030 | NA |
| | 1-Sep-15 | 12.4 | <1.18 | 981 | 3,120 | NA |
| | 29-May-15 | 13.9 | <1.18 | 990 | 3,070 | NA |
| | 5-Mar-15 | 19.7 | <1.80 | 1,220 | 3,960 | NA |
| | 5-Dec-14 | 19.9 | <1.80 | 1,230 | 3,870 | NA |
| | 3-Sep-14 | 11.1 | <1.80 | 717 | 2,950 | NA |
| | 6-Jun-14 | 1.31 | 4.90 | 477 | 1,860 | NA |
| | 17-Mar-14 | 12.0 | <1.66 | 890 | 3,230 | NA |
| | 16-Dec-13 | 15.0 | 2.10 | 1,170 | 3,790 | NA |
| | 9-Sep-13 | 13.6 | 2.80 | 1,080 | 3,560 | NA |
| | 29-May-13 | 15.7 | <1.66 | 1,110 | 3,600 | NA |
| | 1-Mar-13 | 14.6 | <1.72 | 1,190 | 3,600 | NA |
| | 3-Dec-12 | 13.4 | <1.72 | 1,210 | 3,870 | NA |
| | 21-Aug-12 | 8.71 | <1.72 | 818 | 3,020 | NA |
| | 14-May-12 | 0.791 | <1.72 | 359 | 1,550 | NA |
| | 1-Feb-12 | 2.38 | <2.17 | 456 | 1,700 | NA |
| | 27-Oct-11 | <0.500 | <2.17 | 434 | 1,290 | 215 |
| | 2-Aug-11 | <0.500 | <2.17 | 427 | 1,490 | NA |
| | 5-May-11 | <0.500 | <2.17 | 398 | 1,360 | NA |
| | 25-Jan-11 | 4.60 | <2.05 | 386 | 1,500 | NA |
| | 21-Sep-10 | 3.21 | <10.0 | 369 | 1,520 | NA |
| | 29-Jun-10 | 1.6 | <1.0 | 430 | 1,610 | NA |
| | 28-Apr-10 | 1.5 | <1.0 | 450 | 1,600 | NA |
| | 20-Jan-10 | 1.4 | <1.0 | 460 | 1,600 | NA |
| | 21-Oct-09 | 1.0 | <1.0 | 430 | 1,600 | NA |
| | 7-Jul-09 | 0.80 | <1.0 | 470 | 1,500 | NA |
| | 6-May-09 | 0.97 | 3.5 | 450 | 1,600 | NA |
| | 22-Jan-09 | 1.00 | <1.0 | 370 | 1,600 | NA |

**TABLE 4. ABATEMENT PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Sampled | Nitrate (mg/l) | TKN (mg/l) | Chloride (mg/l) | TDS (mg/l) | Sulfate (mg/l) |
|---|---|---|---|---|---|---|
| DAD-12 Vertical Delineation | 30-Aug-23 | 11 | <2.0 | 800 | 3,040 | NA |
| | 25-May-23 | 10 | <2.0 | 720 | 2,980 | NA |
| | 2-Mar-23 | 11 | <2.0 | 810 | 3,120 | NA |
| | 1-Dec-22 | 11 | <2.0 | 930 | 3,210 | NA |
| | 25-Aug-22 | 11 | <2.0 | 800 | 3,200 | NA |
| | 24-May-22 | 11 | <2.0 | 900 | 3,230 | NA |
| | 3-Mar-22 | 12 | <2.0 | 950 | 3,240 | NA |
| | 23-Nov-21 | 12 | <2.0 | 870 | 3,420 | NA |
| | 25-Aug-21 | 13 | <2.0 | 1,100 | 3,550 | NA |
| | 1-Jun-21 | 12 | <2.0 | 1,100 | 3,550 | NA |
| | 1-Mar-21 | 13 | <2.0 | 1,100 | 3,520 | NA |
| | 30-Nov-20 | 14 | <2.0 | 1,200 | 3,590 | NA |
| | 27-Aug-20 | 13 | 2.5 | 1,100 | 3,510 | NA |
| | 29-May-20 | 15 | 1.1 | 1,100 | 3,590 | NA |
| | 26-Feb-20 | 15 | <2.0 | 1,200 | 3,660 | NA |
| | 3-Dec-19 | 20 | <5.0 | 480 | 1,960 | NA |
| | 20-Aug-19 | 15 | <2.0 | 1,200 | 3,700 | NA |
| | 28-May-19 | 15 | <2.0 | 1,200 | 3,690 | NA |
| | 11-Mar-19 | 18 | <2.0 | 1,100 | 3,630 | NA |
| | 3-Dec-18 | 17 | <2.0 | 1,100 | 3,650 | NA |
| | 28-Aug-18 | 20 | <2.0 | 1,100 | 3,710 | NA |
| | 1-Jun-18 | 21 | <5.0 | 1,200 | 3,740 | NA |
| | 27-Feb-18 | 21 | <5.0 | 1,200 | 3,820 | NA |
| | 29-Nov-17 | 19.3 | <0.0500 | 1,200 | 3,430 | NA |
| | 28-Aug-17 | 25.6 | <0.0500 | 1,070 | 3,580 | NA |
| | 12-Jun-17 | 21.0 | <0.100 | 975 | 3,330 | NA |
| | 8-Mar-17 | 25.7 | <0.0501 | 1,200 | 3,690 | NA |
| | 5-Dec-16 | 20.7 | <0.300 | 1,180 | 3,760 | NA |
| | 8-Sep-16 | 19.2 | <0.937 | 805 | 2,960 | NA |
| | 8-Jun-16 | 18.2 | <2.24 | 889 | 2,900 | NA |
| | 29-Feb-16 | 20.7 | <1.18 | 809 | 2,980 | NA |
| | 24-Nov-15 | 19.8 | <1.18 | 735 | 2,860 | NA |
| | 1-Sep-15 | 19.8 | <1.18 | 759 | 2,950 | NA |
| | 29-May-15 | 14.6 | <1.18 | 705 | 2,860 | NA |
| | 6-Mar-15 | 19.0 | <1.80 | 625 | 2,860 | NA |
| | 4-Dec-14 | 19.0 | <1.80 | 620 | 2,760 | NA |
| | 3-Sep-14 | 18.6 | <1.80 | 588 | 2,700 | NA |
| | 9-Jun-14 | 19.3 | <1.80 | 603 | 2,750 | NA |
| | 17-Mar-14 | 20.5 | <1.66 | 621 | 2,890 | NA |
| | 13-Dec-13 | 18.5 | 2.10 | 638 | 2,840 | NA |
| | 10-Sep-13 | 18.1 | 2.80 | 557 | 2,950 | NA |
| | 29-May-13 | 18.2 | <1.66 | 686 | 3,130 | NA |
| | 28-Feb-13 | 22.8 | <1.72 | 688 | 2,820 | NA |
| | 3-Dec-12 | 16.4 | <1.72 | 689 | 3,070 | NA |
| | 21-Aug-12 | 17.8 | 2.10 | 620 | 2,990 | NA |
| | 14-May-12 | 23.1 | <1.72 | 561 | 2,870 | NA |
| | 1-Feb-12 | 20.8 | <2.17 | 614 | 2,670 | NA |
| | 7-Dec-11 | 18.8 | <2.17 | 597 | 2,620 | 616 |

**TABLE 4. ABATEMENT PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Sampled | Nitrate (mg/l) | TKN (mg/l) | Chloride (mg/l) | TDS (mg/l) | Sulfate (mg/l) |
|---|---|---|---|---|---|---|
| DAD-13 | 30-Aug-23 | 11 | <2.0 | 580 | 2,000 | NA |
| | 25-May-23 | 11 | <2.0 | 570 | 2,230 | NA |
| | 2-Mar-23 | 12 | <2.0 | 690 | 2,330 | NA |
| | 2-Dec-22 | 12 | <2.0 | 630 | 2,390 | NA |
| | 25-Aug-22 | 6.8 | <1.0 | 660 | 2,380 | NA |
| | 24-May-22 | 13 | <2.0 | 580 | 2,250 | NA |
| | 3-Mar-22 | 9.0 | <1.0 | 740 | 2,500 | NA |
| | 23-Nov-21 | 8.3 | <1.0 | 550 | 2,240 | NA |
| | 25-Aug-21 | 8.1 | <1.0 | 520 | 2,180 | NA |
| | 1-Jun-21 | 11 | <2.0 | 500 | 2,110 | NA |
| | 1-Mar-21 | 15 | <2.0 | 530 | 2,110 | NA |
| | 30-Nov-20 | 17 | <2.0 | 460 | 1,920 | NA |
| | 28-Aug-20 | 13 | <2.0 | 600 | 2,210 | NA |
| | 29-May-20 | 13 | <2.0 | 550 | 2,130 | NA |
| | 26-Feb-20 | 14 | <2.0 | 580 | 1,960 | NA |
| | 3-Dec-19 | 16 | <2.0 | 1,100 | 3,640 | NA |
| | 20-Aug-19 | 11 | <2.0 | 640 | 2,170 | NA |
| | 24-May-19 | 12 | <2.0 | 590 | 2,130 | NA |
| | 8-Mar-19 | 10 | <1.0 | 570 | 2,000 | NA |
| | 28-Nov-18 | 6.6 | <1.0 | 470 | 1,910 | NA |
| | 27-Aug-18 | 12 | <2.0 | 450 | 1,800 | NA |
| | 31-May-18 | 16 | <2.0 | 710 | 2,550 | NA |
| | 27-Feb-18 | 27 | <5.0 | 360 | 1,740 | NA |
| | 27-Nov-17 | 21.5 | <0.0500 | 418 | 1,850 | NA |
| | 24-Aug-17 | 16.0 | <0.0500 | 619 | 2,280 | NA |
| | 12-Jun-17 | 16.0 | <0.100 | 701 | 2,520 | NA |
| | 8-Mar-17 | 14.0 | <0.0501 | 523 | 2,020 | NA |
| | 5-Dec-16 | 9.54 | <0.300 | 622 | 2,240 | NA |
| | 8-Sep-16 | 10.9 | <0.937 | 673 | 2,300 | NA |
| | 2-Jun-16 | 10.5 | <2.24 | 676 | 2,310 | NA |
| | 25-Feb-16 | 11.0 | <1.18 | 702 | 2,200 | NA |
| | 24-Nov-15 | 9.98 | <1.18 | 642 | 2,280 | NA |
| | 1-Sep-15 | 9.82 | <1.18 | 611 | 2,300 | NA |
| | 29-May-15 | 11.8 | <1.18 | 666 | 2,280 | NA |
| | 6-Mar-15 | 6.72 | <1.80 | 553 | 2,120 | NA |
| | 4-Dec-14 | 9.14 | <1.80 | 581 | 2,160 | NA |
| | 2-Sep-14 | 6.51 | <1.80 | 386 | 1,960 | NA |
| | 9-Jun-14 | 5.82 | <1.80 | 507 | 2,000 | NA |
| | 17-Mar-14 | 6.59 | <3.32 | 528 | 1,960 | NA |
| | 13-Dec-13 | 5.83 | <1.66 | 546 | 1,940 | NA |
| | 9-Sep-13 | 3.42 | 2.80 | 524 | 1,800 | NA |
| | 29-May-13 | 5.00 | <1.66 | 550 | 2,020 | NA |
| | 28-Feb-13 | 5.63 | <1.72 | 582 | 1,970 | NA |
| | 3-Dec-12 | 5.04 | <1.72 | 504 | 1,810 | NA |
| | 21-Aug-12 | 3.51 | <1.72 | 420 | 1,900 | NA |
| | 10-May-12 | 8.66 | <1.72 | 514 | 2,010 | NA |
| | 1-Feb-12 | 7.59 | <2.17 | 537 | 1,960 | NA |
| | 27-Oct-11 | 7.51 | 2.52 | 536 | 3,700 | 321 |

**TABLE 4. ABATEMENT PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Sampled | Nitrate (mg/l) | TKN (mg/l) | Chloride (mg/l) | TDS (mg/l) | Sulfate (mg/l) |
|---|---|---|---|---|---|---|
| DAD-14 | 31-Aug-23 | 70 | <5.0 | 1,400 | 3,930 | NA |
| | 26-May-23 | 60 | <5.0 | 1,200 | 3,830 | NA |
| | 2-Mar-23 | 45 | <5.0 | 1,100 | 3,490 | NA |
| | 2-Dec-22 | 36 | <5.0 | 930 | 2,310 | NA |
| | 26-Aug-22 | 22 | <5.0 | 690 | 2,850 | NA |
| | 24-May-22 | 18 | <2.0 | 610 | 2,750 | NA |
| | 15-Mar-22 | 17 | <2.0 | 620 | 2,670 | NA |
| | 23-Nov-21 | 17 | <2.0 | 590 | 2,830 | NA |
| | 26-Aug-21 | 16 | 2.8 | 630 | 2,600 | NA |
| | 3-Jun-21 | 15 | <2.0 | 640 | 2,720 | NA |
| | 2-Mar-21 | 17 | <2.0 | 660 | 2,640 | NA |
| | 1-Dec-20 | 17 | <2.0 | 660 | 2,770 | NA |
| | 28-Aug-20 | 18 | <2.0 | 690 | 2,880 | NA |
| | 29-May-20 | 19 | <2.0 | 720 | 2,980 | NA |
| | 26-Feb-20 | 20 | <2.0 | 820 | 3,020 | NA |
| | 3-Dec-19 | 20 | <5.0 | 730 | 3,060 | NA |
| | 20-Aug-19 | 21 | <5.0 | 820 | 3,140 | NA |
| | 24-May-19 | 22 | <5.0 | 860 | 3,260 | NA |
| | 8-Mar-19 | 22 | <5.0 | 830 | 3,310 | NA |
| | 28-Nov-18 | 21 | <5.0 | 840 | 3,240 | NA |
| | 29-Aug-18 | 22 | <5.0 | 890 | 3,180 | NA |
| | 31-May-18 | 21 | <5.0 | 860 | 3,350 | NA |
| | 26-Feb-18 | 24 | <5.0 | 910 | 3,210 | NA |
| | 27-Nov-17 | 25.5 | 0.494 | 1,010 | 3,270 | NA |
| | 28-Aug-17 | 28.5 | <0.0500 | 1,010 | 3,170 | NA |
| | 6-Jun-17 | 32.7 | <0.0500 | 1,060 | 3,750 | NA |
| | 8-Mar-17 | 39.1 | 0.0694 | 1,090 | 3,780 | NA |
| | 2-Dec-16 | 39.0 | <0.300 | 1,140 | 3,750 | NA |
| | 8-Sep-16 | 44.5 | <0.937 | 1,170 | 3,700 | NA |
| | 2-Jun-16 | 40.9 | <2.24 | 1,280 | 3,700 | NA |
| | 29-Feb-16 | 40.2 | <1.18 | 1,280 | 3,540 | NA |
| | 24-Nov-15 | 33.9 | <1.18 | 1,220 | 3,550 | NA |
| | 1-Sep-15 | 32.1 | <1.18 | 1,110 | 3,260 | NA |
| | 29-May-15 | 32.7 | <1.18 | 1,030 | 3,320 | NA |
| | 5-Mar-15 | 30.2 | <1.80 | 949 | 3,280 | NA |
| | 4-Dec-14 | 30.3 | <1.80 | 933 | 3,200 | NA |
| | 2-Sep-14 | 26.7 | 2.10 | 878 | 3,240 | NA |
| | 6-Jun-14 | 29.6 | <1.80 | 943 | 3,340 | NA |
| | 17-Mar-14 | 41.3 | <1.66 | 1,040 | 3,620 | NA |
| | 13-Dec-13 | 31.9 | <1.66 | 929 | 3,160 | NA |
| | 9-Sep-13 | 29.2 | 3.50 | 1,010 | 3,590 | NA |
| | 29-May-13 | 34.6 | <1.66 | 1,030 | 3,520 | NA |
| | 1-Mar-13 | 42.0 | 16.8 | 1,130 | 3,730 | NA |
| | 3-Dec-12 | 40.3 | <1.72 | 1,150 | 4,010 | NA |
| | 21-Aug-12 | 33.2 | <1.72 | 919 | 3,340 | NA |
| | 14-May-12 | 28.8 | <1.72 | 881 | 3,280 | NA |
| | 1-Feb-12 | 20.3 | <2.17 | 861 | 2,880 | NA |
| | 27-Oct-11 | 17.2 | 2.80 | 835 | 1,780 | 447 |

**TABLE 4. ABATEMENT PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Sampled | Nitrate (mg/l) | TKN (mg/l) | Chloride (mg/l) | TDS (mg/l) | Sulfate (mg/l) |
|---|---|---|---|---|---|---|
| DAD-23 | 31-Aug-23 | 18 | <2.0 | 570 | 2,360 | NA |
| | 26-May-23 | 18 | <2.0 | 370 | 1,730 | NA |
| | 3-Mar-23 | 20 | 1.40 | 550 | 2,070 | NA |
| | 5-Dec-22 | 18 | <2.0 | 420 | 2,030 | NA |
| | 26-Aug-22 | 19 | <2.0 | 320 | 1,620 | NA |
| | 25-May-22 | 19 | <2.0 | 400 | 1,700 | NA |
| | 15-Mar-22 | 15 | <2.0 | 620 | 2,550 | NA |
| | 1-Dec-21 | 16 | <2.0 | 640 | 2,670 | NA |
| | 26-Aug-21 | 15 | <2.0 | 300 | 1,420 | NA |
| | 3-Jun-21 | 15 | <2.0 | 540 | 2,320 | NA |
| | 2-Mar-21 | 15 | <2.0 | 460 | 2,310 | NA |
| | 1-Dec-20 | 20 | <2.0 | 480 | 1,890 | NA |
| | 28-Aug-20 | 19 | <2.0 | 280 | 1,440 | NA |
| | 1-Jun-20 | 21 | 150 | 520 | 1,960 | NA |
| | 26-Feb-20 | 22 | <5.0 | 350 | 1,570 | NA |
| | 6-Dec-19 | 18 | <2.0 | 540 | 2,410 | NA |
| | 19-Aug-19 | 17 | <2.0 | 540 | 2,220 | NA |
| | 24-May-19 | 19 | <2.0 | 390 | 1,960 | NA |
| | 8-Mar-19 | 17 | <2.0 | 540 | 2,260 | NA |
| | 28-Nov-18 | 18 | <2.0 | 500 | 2,090 | NA |
| | 27-Aug-18 | 21 | <2.0 | 580 | 2,350 | NA |
| | 31-May-18 | 19 | <2.0 | 670 | 2,500 | NA |
| | 26-Feb-18 | 16 | <2.0 | 490 | 1,890 | NA |
| | 29-Nov-17 | 18.2 | <0.0500 | 763 | 2,050 | NA |
| | 24-Aug-17 | 19.5 | <0.0500 | 676 | 2,500 | NA |
| | 7-Jun-17 | 14.9 | <0.100 | 580 | 2,300 | NA |
| | 7-Mar-17 | 12.0 | <0.300 | 577 | 2,230 | NA |
| | 5-Dec-16 | 5.57 | <0.300 | 566 | 1,940 | NA |
| | 7-Sep-16 | 1.86 | <0.937 | 462 | 1,720 | NA |
| | 2-Jun-16 | 1.10 | <2.24 | 636 | 2,260 | NA |
| | 29-Feb-16 | <0.305 | <1.18 | 421 | 1,680 | NA |
| | 21-Dec-15 | 6.11 | <1.18 | 450 | 1,860 | NA |
| **NMWQCC Standard** | | **10** | **NA** | **250** | **1,000** | **600** |
| **Existing Conditions - August 2020** | | **NA** | **NA** | **1,800** | **1,598** | **NA** |
| **Existing Conditions - Pre-August 2020*** | | **NA** | **NA** | **1,015** | **3,178** | **NA** |

**TABLE 4. ABATEMENT PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Sampled | Nitrate (mg/l) | TKN (mg/l) | Chloride (mg/l) | TDS (mg/l) | Sulfate (mg/l) |
|---|---|---|---|---|---|---|
| **Central Portion** | | | | | | |
| DAD-03 | 5-Sep-23 | <1.0 | 2.2 | 290 | 2,070 | NA |
| | 26-May-23 | <1.0 | <1.0 | 310 | 1,770 | NA |
| | 6-Mar-23 | <1.0 | <1.0 | 360 | 1,780 | NA |
| | 5-Dec-22 | <1.0 | <1.0 | 290 | 1,610 | NA |
| | 26-Aug-22 | <1.0 | <1.0 | 350 | 1,700 | NA |
| | 26-May-22 | <1.0 | <2.0 | 330 | 2,330 | NA |
| | 16-Mar-22 | <1.0 | <1.0 | 330 | 2,070 | NA |
| | 1-Dec-21 | <1.0 | <1.0 | 340 | 2,070 | NA |
| | 26-Aug-21 | <1.0 | 2.8 | 410 | 1,980 | NA |
| | 3-Jun-21 | <1.0 | <1.0 | 310 | 1,660 | NA |
| | 2-Mar-21 | <1.0 | <2.0 | 290 | 1,560 | NA |
| | 1-Dec-20 | <1.0 | <1.0 | 270 | 1,530 | NA |
| | 31-Aug-20 | <1.0 | <1.0 | 300 | 1,620 | NA |
| | 1-Jun-20 | <1.0 | 4.5 | 300 | 1,530 | NA |
| | 21-Feb-20 | <1.0 | <5.0 | 300 | 2,090 | NA |
| | 4-Dec-19 | <1.0 | <2.0 | 320 | 1,880 | NA |
| | 19-Aug-19 | <1.0 | 2.5 | 330 | 2,140 | NA |
| | 22-May-19 | <1.0 | 3.6 | 390 | 2,050 | NA |
| | 5-Mar-19 | <1.0 | 3.1 | 330 | 2,180 | NA |
| | 28-Nov-18 | <1.0 | 2.5 | 320 | 2,110 | NA |
| | 24-Aug-18 | <1.0 | <2.0 | 350 | 2,520 | NA |
| | 31-May-18 | <1.0 | <5.0 | 370 | 1,930 | NA |
| | 26-Feb-18 | <1.0 | <2.0 | 360 | 2,220 | NA |
| | 20-Nov-17 | 0.2220 | 0.498 | 446 | 2,060 | NA |
| | 24-Aug-17 | 0.0823 | <0.0500 | 440 | 2,240 | NA |
| | 8-Jun-17 | 0.150 | 2.67 | 454 | 2,110 | NA |
| | 7-Mar-17 | 0.251 | 3.09 | 589 | 2,570 | NA |
| | 30-Nov-16 | 0.874 | 4.29 | 647 | 2,820 | NA |
| | 6-Sep-16 | <0.305 | <0.937 | 289 | 2,520 | NA |
| | 2-Jun-16 | <0.305 | <2.24 | 540 | 2,410 | NA |
| | 25-Feb-16 | <0.305 | 3.92 | 558 | 2,340 | NA |
| | 23-Nov-15 | <0.194 | <1.18 | 603 | 2,440 | NA |
| | 1-Sep-15 | <0.194 | 1.40 | 702 | 2,720 | NA |
| | 27-May-15 | <0.0470 | <1.18 | 738 | 2,620 | NA |
| | 4-Mar-15 | <0.0470 | <1.80 | 609 | 2,630 | NA |
| | 3-Dec-14 | <0.126 | <1.80 | 569 | 2,560 | NA |
| | 29-Aug-14 | <0.126 | <1.80 | 686 | 2,890 | NA |
| | 9-Jun-14 | <0.187 | <1.80 | 838 | 3,410 | NA |
| | 10-Mar-14 | 0.906 | <1.66 | 917 | 3,480 | NA |
| | 11-Dec-13 | <0.213 | <1.66 | 932 | 3,180 | NA |
| | 10-Sep-13 | Not Sampled - insufficient water to sample | | | | |
| | 16-May-13 | 1.07 | <1.66 | 1,400 | 4,420 | NA |
| | 1-Mar-13 | 0.721 | <1.72 | 1,220 | 3,720 | NA |
| | 3-Dec-12 | 1.1 | <1.72 | 1,150 | 4,760 | NA |
| | 21-Aug-12 | <0.0290 | 2.80 | 1,090 | 3,920 | NA |
| | 9-May-12 | <0.114 | 2.66 | 1,200 | 4,160 | NA |
| | 31-Jan-12 | <0.500 | 4.34 | 1,340 | 4,350 | NA |
| | 26-Oct-11 | <0.500 | 3.22 | 1,790 | 5,420 | 1,100 |
| | 20-Jul-11 | <1.00 | 3.22 | 1,630 | 4,720 | NA |
| | 21-Apr-11 | <0.500 | <2.17 | 1,870 | 5,600 | NA |
| | 24-Jan-11 | <0.00955 | 4.20 | 1,590 | 4,660 | NA |
| | 16-Sep-10 | 0.217 | <10.0 | 1,370 | 4,320 | NA |
| | 29-Jun-10 | <0.5 | 6.18 | 1,570 | 5,150 | NA |
| | 21-Mar-10 | <10 | <1.0 | 2,200 | 5,620 | NA |
| | 9-Dec-09 | <10 | <5.0 | 2,100 | 5,590 | NA |
| NMED Split | 9-Dec-09 | <0.1 | 0.88 | 1,570 | 5,300 | 1,160 |
| | 29-Aug-09 | <0.10 | <5.0 | 1,400 | 4,420 | NA |
| | 12-May-09 | <10 | <5.0 | 1,200 | 5,000 | NA |

**TABLE 4. ABATEMENT PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Sampled | Nitrate (mg/l) | TKN (mg/l) | Chloride (mg/l) | TDS (mg/l) | Sulfate (mg/l) |
|---|---|---|---|---|---|---|
| DAD-04 | 6-Sep-23 | <1.0 | 1.4 | 390 | 2,240 | NA |
| | 30-May-23 | Dry | | | | |
| | 6-Mar-23 | Dry | | | | |
| | 6-Dec-22 | <1.0 | <1.0 | 400 | 2,020 | NA |
| | 31-Aug-22 | <1.0 | 1.3 | 80 | 826 | NA |
| | 26-May-22 | 1.1 | 1.3 | 150 | 1,340 | NA |
| | 16-Mar-22 | 2.3 | 1.3 | 500 | 2,510 | NA |
| | 1-Dec-21 | 2.1 | 1.1 | 470 | 2,190 | NA |
| | 31-Aug-21 | 7.5 | 1.4 | 450 | 2,390 | NA |
| | 3-Jun-21 | 5.0 | 1.4 | 380 | 2,300 | NA |
| | 2-Mar-21 | 1.4 | 1.1 | 340 | 2,270 | NA |
| | 2-Dec-20 | 4.4 | 1.3 | 310 | 2,120 | NA |
| | 31-Aug-20 | <1.0 | 1.3 | 330 | 2,000 | NA |
| | 1-Jun-20 | <1.0 | 8.8 | 320 | 1,940 | NA |
| | 21-Feb-20 | <1.0 | <1.0 | 320 | 1,950 | NA |
| | 4-Dec-19 | <1.0 | <1.0 | 330 | 2,020 | NA |
| | 19-Aug-19 | <1.0 | <1.0 | 320 | 1,770 | NA |
| | 23-May-19 | <1.0 | <2.0 | 330 | 1,720 | NA |
| | 5-Mar-19 | <1.0 | <1.0 | 340 | 1,820 | NA |
| | 28-Nov-18 | <1.0 | <1.0 | 350 | 1,770 | NA |
| | 24-Aug-18 | <1.0 | <1.0 | 300 | 1,700 | NA |
| | 31-May-18 | <1.0 | <1.0 | 280 | 1,710 | NA |
| | 26-Feb-18 | <1.0 | <1.0 | 230 | 1,520 | NA |
| | 20-Nov-17 | 0.314 | 0.734 | 32.3 | 900 | NA |
| | 24-Aug-17 | 0.109 | <0.0500 | 380 | 1,920 | NA |
| | 8-Jun-17 | 0.133 | 0.956 | 349 | 1,800 | NA |
| | 7-Mar-17 | 0.257 | 0.632 | 317 | 1,760 | NA |
| | 2-Dec-16 | 1.46 | 1.41 | 343 | 2,040 | NA |
| | 6-Sep-16 | <0.305 | <0.937 | 497 | 1,830 | NA |
| | 2-Jun-16 | 0.633 | <2.24 | 547 | 2,060 | NA |
| | 25-Feb-16 | <0.305 | <1.18 | 434 | 1,730 | NA |
| | 23-Nov-15 | 0.0853 | 6.16 | 443 | 1,690 | NA |
| | 1-Sep-15 | <0.194 | 2.10 | 561 | 2,320 | NA |
| | 27-May-15 | 0.176 | <1.18 | 475 | 1,820 | NA |
| | 4-Mar-15 | 0.819 | <1.80 | 195 | 1,280 | NA |
| | 3-Dec-14 | 1.65 | <1.80 | 185 | 1,260 | NA |
| | 29-Aug-14 | <0.126 | <1.80 | 483 | 2,060 | NA |
| | 3-Jun-14 | 0.988 | 3.50 | 740 | 2,810 | NA |
| | 10-Mar-14 | 1.01 | <1.66 | 694 | 2,600 | NA |
| | 11-Dec-13 | 1.69 | <1.66 | 604 | 2,400 | NA |
| | 5-Sep-13 | 0.827 | 9.10 | 544 | 2,710 | NA |
| | 16-May-13 | <0.0420 | <1.66 | 613 | 2,320 | NA |
| | 1-Mar-13 | 2.12 | <1.72 | 510 | 2,090 | NA |
| | 5-Dec-12 | 2.740 | <1.72 | 545 | 2,430 | NA |
| | 21-Aug-12 | <0.0290 | <1.72 | 496 | 2,620 | NA |
| | 9-May-12 | 0.305 | <1.72 | 502 | 1,970 | NA |
| | 31-Jan-12 | 2.05 | <2.17 | 493 | 2,320 | NA |
| | 26-Oct-11 | <0.500 | 2.80 | 590 | 2,950 | 380 |
| | 20-Jul-11 | <0.500 | <2.17 | 670 | 2,540 | NA |
| | 20-Apr-11 | <0.500 | <2.17 | 584 | 2,570 | NA |
| | 24-Jan-11 | <0.00955 | 2.66 | 608 | 2,400 | NA |
| | 16-Sep-10 | <0.100 | <10.0 | 683 | 2,560 | NA |
| | 29-Jun-10 | <0.5 | 1.4 | 570 | 2,330 | NA |
| | 21-Mar-10 | <2.0 | <2.0 | 620 | 2,460 | NA |
| | 9-Dec-09 | <2.0 | 1.7 | 810 | 2,720 | NA |
| NMED Split | 9-Dec-09 | <0.1 | 1.2 | 659 | 2,630 | 373 |
| | 29-Aug-09 | <2.0 | <5.0 | 690 | 2,690 | NA |
| | 13-May-09 | <2.0 | <5.0 | 690 | 2,700 | NA |

**TABLE 4. ABATEMENT PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Sampled | Nitrate (mg/l) | TKN (mg/l) | Chloride (mg/l) | TDS (mg/l) | Sulfate (mg/l) |
|---|---|---|---|---|---|---|
| DAD-05 | 11-Sep-23 | <1.0 | 3.8 | 97 | 872 | NA |
| | 1-Jun-23 | <1.0 | 5.6 | 120 | 785 | NA |
| | 8-Mar-23 | <1.0 | 4.8 | 110 | 830 | NA |
| | 8-Dec-22 | <1.0 | 3.4 | 100 | 900 | NA |
| | 12-Sep-22 | <1.0 | 2.8 | 82 | 785 | NA |
| | 31-May-22 | <1.0 | 15 | 300 | 1,610 | NA |
| | 17-Mar-22 | <1.0 | 18 | 310 | 1,840 | NA |
| | 6-Dec-21 | <1.0 | 22 | 400 | 1,950 | NA |
| | 2-Sep-21 | 14 | 14 | 410 | 2,370 | NA |
| | 7-Jun-21 | <1.0 | <1.0 | 370 | 1,890 | NA |
| | 4-Mar-21 | <1.0 | <1.0 | 310 | 1,630 | NA |
| | 2-Dec-20 | <1.0 | <1.0 | 290 | 1,660 | NA |
| | 31-Aug-20 | 1.6 | <1.0 | 220 | 1,370 | NA |
| | 1-Jun-20 | <1.0 | 18 | 290 | 1,550 | NA |
| | 21-Feb-20 | <1.0 | <1.0 | 390 | 2,030 | NA |
| | 5-Dec-19 | <1.0 | <1.0 | 260 | 1,550 | NA |
| | 22-Aug-19 | <1.0 | 1.3 | 400 | 1,930 | NA |
| | 23-May-19 | 1.9 | 1.3 | 460 | 2,190 | NA |
| | 5-Mar-19 | 2.0 | 1.3 | 370 | 2,260 | NA |
| | 29-Nov-18 | 2.2 | <2.0 | 570 | 2,570 | NA |
| | 24-Aug-18 | <1.0 | 1.5 | 650 | 2,820 | NA |
| | 31-May-18 | <1.0 | 1.1 | 720 | 2,750 | NA |
| | 26-Feb-18 | <1.0 | 1.30 | 660 | 2,720 | NA |
| | 27-Nov-17 | 2.31 | 1.51 | 721 | 2,720 | NA |
| | 25-Aug-17 | 8.77 | <0.0500 | 459 | 1,970 | NA |
| | 8-Jun-17 | 1.56 | 1.13 | 722 | 2,850 | NA |
| | 7-Mar-17 | 8.37 | 1.04 | 434 | 2,150 | NA |
| | 2-Dec-16 | 2.70 | 2.02 | 653 | 2,840 | NA |
| | 6-Sep-16 | 5.00 | <0.937 | 614 | 2,480 | NA |
| | 2-Jun-16 | 5.26 | <2.24 | 611 | 2,710 | NA |
| | 25-Feb-16 | 9.43 | <1.18 | 654 | 2,660 | NA |
| | 23-Nov-15 | <0.194 | 2.80 | 493 | 2,100 | NA |
| | 1-Sep-15 | 2.15 | 1.40 | 388 | 2,100 | NA |
| | 27-May-15 | 4.48 | <1.18 | 436 | 2,180 | NA |
| | 4-Mar-15 | 10.5 | <1.80 | 564 | 2,400 | NA |
| | 3-Dec-14 | 2.55 | <1.80 | 273 | 1,300 | NA |
| | 29-Aug-14 | 1.87 | <1.80 | 230 | 1,200 | NA |
| | 3-Jun-14 | 2.20 | <1.80 | 497 | 2,000 | NA |
| | 10-Mar-14 | 4.81 | <1.66 | 312 | 1,510 | NA |
| | 12-Dec-13 | 0.898 | 2.80 | 72.9 | 695 | NA |
| | 5-Sep-13 | 2.16 | 4.90 | 120 | 870 | NA |
| | 29-May-13 | 2.44 | <1.66 | 582 | 2,580 | NA |
| | 5-Mar-13 | <0.246 | <1.72 | 519 | 2,100 | NA |
| | 5-Dec-12 | 3.350 | <1.72 | 690 | 2,930 | NA |
| | 22-Aug-12 | <0.0290 | <1.72 | 544 | 2,260 | NA |
| | 9-May-12 | 0.908 | 2.10 | 566 | 2,380 | NA |
| | 1-Feb-12 | <0.500 | <2.17 | 558 | 2,020 | NA |
| | 26-Oct-11 | <0.500 | 2.66 | 647 | 900 | 377 |
| | 20-Jul-11 | <0.500 | 5.04 | 599 | 2,460 | NA |
| | 20-Apr-11 | <0.500 | <2.17 | 430 | 1,810 | NA |
| | 20-Jan-11 | 0.128 | 2.10 | 477 | 1,870 | NA |
| | 16-Sep-10 | <2.50 | <10.0 | 536 | 2,220 | NA |
| | 29-Jun-10 | < 0.5 | 1.1 | 627 | 2,550 | NA |
| | 21-Mar-10 | <2.0 | <1.0 | 630 | 2,340 | NA |
| | 9-Dec-09 | <2.0 | 1.3 | 710 | 2,420 | NA |
| NMED Split | 9-Dec-09 | <0.1 | 0.95 | 563 | 2,290 | 362 |
| | 29-Aug-09 | <2.0 | <2.0 | 630 | 2,310 | NA |
| | 13-May-09 | <2.0 | <5.0 | 640 | 2,700 | NA |
| Duplicate | 13-May-09 | <10 | 1.6 | 618 | 2,260 | NA |

**TABLE 4. ABATEMENT PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Sampled | Nitrate (mg/l) | TKN (mg/l) | Chloride (mg/l) | TDS (mg/l) | Sulfate (mg/l) |
|---|---|---|---|---|---|---|
| DAD-06 | 4-Nov-22 | Plugged and Abandoned | | | | |
| | 13-Sep-22 | Dry | | | | |
| | 27-May-22 | Dry | | | | |
| | 9-Feb-22 | Dry | | | | |
| | 1-Dec-21 | Dry | | | | |
| | 31-Aug-21 | Dry | | | | |
| | 4-Jun-21 | Dry | | | | |
| | 3-Mar-21 | Dry | | | | |
| | 1-Dec-20 | Dry | | | | |
| | 31-Aug-20 | Dry | | | | |
| | 1-Jun-20 | Dry | | | | |
| | 9-Mar-20 | Dry | | | | |
| | 4-Dec-19 | Dry | | | | |
| | 12-Aug-19 | Dry | | | | |
| | 28-May-19 | Dry | | | | |
| | 14-Mar-19 | Dry | | | | |
| | 4-Dec-18 | Dry | | | | |
| | 31-Aug-18 | Dry | | | | |
| | 4-Jun-18 | Dry | | | | |
| | 28-Feb-18 | Dry | | | | |
| | 28-Nov-17 | Dry | | | | |
| | 28-Aug-17 | Dry | | | | |
| | 12-Jun-17 | Dry | | | | |
| | 13-Mar-17 | Dry | | | | |
| | 6-Dec-16 | Dry | | | | |
| | 8-Sep-16 | Dry | | | | |
| | 6-Jun-16 | Dry | | | | |
| | 25-Feb-16 | Dry | | | | |
| | 23-Nov-15 | Dry | | | | |
| | 1-Sep-15 | Dry | | | | |
| | 28-May-15 | Dry | | | | |
| | 4-Mar-15 | Dry | | | | |
| | 4-Dec-14 | Dry | | | | |
| | 12-Aug-14 | Dry | | | | |
| | 13-May-14 | Dry | | | | |
| | 10-Mar-14 | Dry | | | | |
| | 11-Dec-13 | Dry | | | | |
| | 5-Sep-13 | Dry | | | | |
| | 30-May-13 | 6.07 | <1.66 | 508 | 1,690 | NA |
| | 4-Mar-13 | 7.66 | <1.72 | 496 | 1,510 | NA |
| | 5-Dec-12 | 8.25 | <1.72 | 439 | 1,610 | NA |
| | 21-Aug-12 | 9.11 | 2.10 | 347 | 1,530 | NA |
| | 9-May-12 | 11.0 | <1.72 | 375 | 1,570 | NA |
| | 31-Jan-12 | 13.6 | <2.17 | 382 | 1,510 | NA |
| | 27-Oct-11 | 9.20 | <2.17 | 322 | 1,060 | 228 |
| | 20-Jul-11 | 18.0 | 3.64 | 358 | 1,370 | NA |
| | 21-Apr-11 | 18.0 | <2.17 | 349 | 1,330 | NA |
| | 24-Jan-11 | 12.2 | 2.10 | 360 | 1,270 | NA |
| | 16-Sep-10 | 9.20 | <10.0 | 359 | 1,370 | NA |
| | 29-Jun-10 | 11.6 | <2.0 | 365 | 1,460 | NA |
| | 21-Mar-10 | 10 | <2.0 | 390 | 1,390 | NA |
| | 9-Dec-09 | 10 | <1.0 | 380 | 1,380 | NA |
| NMED Split | 9-Dec-09 | 8.6 | 0.36 | 354 | 1,440 | 262 |
| | 29-Aug-09 | 8.2 | <5.0 | 390 | 1,260 | NA |
| | 14-May-09 | 11 | <5.0 | 350 | 1,300 | NA |
| Duplicate | 14-May-09 | 8.17 | 0.4 | 338 | 1,250 | NA |
| DAD-06R | 6-Sep-23 | 6.3 | <1.0 | 110 | 726 | NA |
| | 30-May-23 | 6.4 | 5.6 | 84 | 580 | NA |
| | 7-Mar-23 | 4.5 | <1.0 | 88 | 610 | NA |
| | 6-Dec-22 | 3.9 | 1.7 | 100 | 696 | NA |

**TABLE 4. ABATEMENT PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Sampled | Nitrate (mg/l) | TKN (mg/l) | Chloride (mg/l) | TDS (mg/l) | Sulfate (mg/l) |
|---|---|---|---|---|---|---|
| DAD-07 | 6-Sep-23 | 34 | <5.0 | 560 | 2,800 | NA |
| | 5-Jun-23 | 25 | <5.0 | 530 | 2,400 | NA |
| | 9-Mar-23 | 19 | <2.0 | 450 | 2,120 | NA |
| | 7-Dec-22 | 20 | <5.0 | 410 | 2,060 | NA |
| | 13-Sep-22 | 17 | <2.0 | 370 | 1,890 | NA |
| | 1-Jun-22 | 17 | <2.0 | 410 | 2,000 | NA |
| | 22-Mar-22 | 18 | <2.0 | 480 | 2,160 | NA |
| | 7-Dec-21 | 18 | <2.0 | 500 | 2,200 | NA |
| | 1-Sep-21 | 18 | <1.0 | 600 | 2,310 | NA |
| | 4-Jun-21 | 18 | <2.0 | 630 | 2,340 | NA |
| | 3-Mar-21 | 17 | <2.0 | 630 | 2,420 | NA |
| | 4-Dec-20 | 17 | <2.0 | 650 | 2,550 | NA |
| | 3-Sep-20 | 16 | <2.0 | 740 | 2,520 | NA |
| | 3-Jun-20 | 15 | <2.0 | 570 | 2,310 | NA |
| | 25-Feb-20 | 14 | <2.0 | 570 | 2,190 | NA |
| | 5-Dec-19 | 13 | <2.0 | 520 | 2,140 | NA |
| | 21-Aug-19 | 13 | <2.0 | 560 | 2,190 | NA |
| | 24-May-19 | 12 | <2.0 | 540 | 2,140 | NA |
| | 8-Mar-19 | 12 | <2.0 | 530 | 2,050 | NA |
| | 29-Nov-18 | 11 | <2.0 | 500 | 1,980 | NA |
| | 27-Aug-18 | 12 | <2.0 | 500 | 2,060 | NA |
| | 1-Jun-18 | 12 | <2.0 | 540 | 2,260 | NA |
| | 27-Feb-18 | 12 | <2.0 | 740 | 2,530 | NA |
| | 28-Nov-17 | 12.3 | <0.0500 | 701 | 2,160 | NA |
| | 28-Aug-17 | 11.2 | <0.0500 | 576 | 2,040 | NA |
| | 6-Jun-17 | 7.69 | <0.0500 | 529 | 2,030 | NA |
| | 10-Mar-17 | 6.07 | <0.0501 | 480 | 1,800 | NA |
| | 5-Dec-16 | 4.97 | <0.300 | 467 | 1,820 | NA |
| | 7-Sep-16 | 5.50 | <0.937 | 583 | 1,940 | NA |
| | 8-Jun-16 | 4.87 | <2.24 | 526 | 1,820 | NA |
| | 1-Mar-16 | 5.27 | <1.18 | 609 | 2,020 | NA |
| | 30-Nov-15 | 6.82 | <1.18 | 638 | 2,020 | NA |
| | 1-Sep-15 | 7.45 | <1.18 | 649 | 2,060 | NA |
| | 28-May-15 | 5.83 | <1.18 | 619 | 1,960 | NA |
| | 5-Mar-15 | 5.34 | <1.80 | 554 | 2,060 | NA |
| | 3-Dec-14 | 6.85 | <1.80 | 607 | 2,180 | NA |
| | 2-Sep-14 | 7.48 | <1.80 | 589 | 2,150 | NA |
| | 12-Jun-14 | 5.44 | <1.80 | 540 | 2,020 | NA |
| | 11-Mar-14 | 4.84 | 2.10 | 512 | 1,980 | NA |
| | 11-Dec-13 | 7.94 | <1.66 | 700 | 2,270 | NA |
| | 5-Sep-13 | 7.01 | 3.50 | 650 | 2,380 | NA |
| | 24-May-13 | 8.42 | <1.66 | 720 | 2,570 | NA |
| | 5-Mar-13 | 8.15 | <1.72 | 724 | 2,740 | NA |
| | 5-Dec-12 | 8.03 | <1.72 | 718 | 2,610 | NA |
| | 22-Aug-12 | 6.88 | <1.72 | 671 | 2,540 | NA |
| | 9-May-12 | 3.81 | <1.72 | 588 | 2,150 | NA |
| | 31-Jan-12 | 5.40 | <2.17 | 610 | 1,640 | NA |
| | 26-Oct-11 | 5.22 | 2.24 | 591 | 750 | 426 |
| | 20-Jul-11 | 4.67 | 2.80 | 554 | 1,880 | NA |
| | 20-Apr-11 | 4.14 | <2.17 | 525 | 1,780 | NA |
| | 19-Jan-11 | 0.410 | <2.05 | 518 | 1,740 | NA |
| | 16-Sep-10 | <2.50 | <10.0 | 637 | 1,990 | NA |
| | 29-Jun-10 | 5.17 | <0.5 | 569 | 2,060 | NA |
| | 21-Mar-10 | 5.1 | <1.0 | 640 | 1,970 | NA |
| | 9-Dec-09 | 5.4 | <1.0 | 620 | 1,900 | NA |
| NMED Split | 9-Dec-09 | 5.2 | <0.1 | 536 | 1,870 | 403 |
| | 29-Aug-09 | 4.4 | <5.0 | 610 | 1,780 | NA |
| | 14-May-09 | 4.6 | <1.0 | 530 | 1,800 | NA |

**TABLE 4. ABATEMENT PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Sampled | Nitrate (mg/l) | TKN (mg/l) | Chloride (mg/l) | TDS (mg/l) | Sulfate (mg/l) |
|---|---|---|---|---|---|---|
| DAD-08 | 12-Sep-23 | 42 | <5.0 | 1,500 | 4,150 | NA |
| | 5-Jun-23 | 44 | <5.0 | 1,600 | 4,240 | NA |
| | 8-Mar-23 | 45 | <5.0 | 1,600 | 4,260 | NA |
| | 8-Dec-22 | 45 | 14 | 1,500 | 3,960 | NA |
| | 12-Sep-22 | 46 | 11 | 1,600 | 4,780 | NA |
| | 31-May-22 | 47 | <5.0 | 1,800 | 4,700 | NA |
| | 18-Mar-22 | 44 | <5.0 | 1,600 | 4,520 | NA |
| | 6-Dec-21 | 46 | <5.0 | 1,700 | 4,490 | NA |
| | 2-Sep-21 | 46 | <5.0 | 1,900 | 4,580 | NA |
| | 7-Jun-21 | 50 | <5.0 | 2,000 | 5,040 | NA |
| | 3-Mar-21 | 45 | <5.0 | 1,800 | 4,880 | NA |
| | 3-Dec-20 | 42 | <5.0 | 1,800 | 4,660 | NA |
| | 2-Sep-20 | 42 | <5.0 | 1,800 | 4,770 | NA |
| | 2-Jun-20 | 43 | <5.0 | 1,800 | 5,070 | NA |
| | 21-Feb-20 | 40 | <5.0 | 1,800 | 4,930 | NA |
| | 4-Dec-19 | 43 | <1.0 | 1,800 | 4,920 | NA |
| | 19-Aug-19 | 39 | <5.0 | 1,800 | 5,270 | NA |
| | 23-May-19 | 47 | <5.0 | 1,800 | 5,540 | NA |
| | 5-Mar-19 | 42 | <5.0 | 1,900 | 5,460 | NA |
| | 29-Nov-18 | 40 | <5.0 | 1,800 | 4,760 | NA |
| | 24-Aug-18 | 47 | <5.0 | 2,000 | 5,680 | NA |
| | 31-May-18 | 43 | <5.0 | 1,900 | 5,400 | NA |
| | 26-Feb-18 | 51 | <5.0 | 1,700 | 4,710 | NA |
| | 27-Nov-17 | 32.9 | 0.717 | 1,580 | 4,290 | NA |
| | 25-Aug-17 | 32.8 | <0.0500 | 1,450 | 6,480 | NA |
| | 8-Jun-17 | 37.9 | <0.100 | 1,670 | 5,140 | NA |
| | 7-Mar-17 | 44.8 | <0.300 | 1,860 | 5,420 | NA |
| | 2-Dec-16 | 45.9 | <0.300 | 1,990 | 5,800 | NA |
| | 6-Sep-16 | 44.4 | <0.937 | 1,950 | 5,940 | NA |
| | 2-Jun-16 | 52.9 | <2.24 | 1,960 | 5,840 | NA |
| | 25-Feb-16 | 51.2 | 5.60 | 1,990 | 5,740 | NA |
| | 23-Nov-15 | 66.1 | <1.18 | 2,070 | 5,980 | NA |
| | 1-Sep-15 | 65.3 | <1.18 | 2,050 | 6,160 | NA |
| | 28-May-15 | 63.0 | <1.18 | 2,050 | 5,840 | NA |
| | 5-Mar-15 | 48.6 | <1.80 | 1,670 | 5,740 | NA |
| | 3-Dec-14 | 48.1 | <1.80 | 1,700 | 5,930 | NA |
| | 2-Sep-14 | 39.5 | <1.80 | 1,700 | 5,220 | NA |
| | 4-Jun-14 | 55.8 | 2.10 | 2,210 | 5,840 | NA |
| | 11-Mar-14 | 71.7 | <1.66 | 2,450 | 6,400 | NA |
| | 12-Dec-13 | 70.7 | 2.80 | 2,500 | 6,780 | NA |
| | 5-Sep-13 | 74.9 | 2.80 | 2,440 | 7,440 | NA |
| | 24-May-13 | 71.5 | <1.66 | 2,140 | 6,740 | NA |
| | 4-Mar-13 | 90.0 | <1.72 | 2,280 | 7,060 | NA |
| | 5-Dec-12 | 40.2 | <1.72 | 2,270 | 5,980 | NA |
| | 22-Aug-12 | 32.2 | <1.72 | 2,430 | 7,220 | NA |
| | 9-May-12 | 2.39 | <1.72 | 1,150 | 3,260 | NA |
| | 31-Jan-12 | 2.69 | <2.17 | 1,250 | 2,990 | NA |
| | 26-Oct-11 | 2.80 | <2.17 | 1,260 | 2,500 | 471 |
| | 20-Jul-11 | 3.36 | 3.78 | 1,320 | 3,060 | NA |
| | 20-Apr-11 | 4.33 | <2.17 | 1,300 | 3,280 | NA |
| | 19-Jan-11 | <0.239 | 2.10 | 1,240 | 2,600 | NA |
| | 17-Sep-10 | <2.50 | <10.0 | 1,370 | 3,230 | NA |
| | 29-Jun-10 | 2.53 | <1.0 | 1,290 | 5,950 | NA |
| | 21-Mar-10 | <4.0 | <1.0 | 1,300 | 3,270 | NA |
| | 9-Dec-09 | <4.0 | <1.0 | 1,400 | 3,290 | NA |
| NMED Split | 9-Dec-09 | 3.1 | 0.26 | 1,400 | 3,070 | 509 |
| | 29-Aug-09 | <4.0 | <2.0 | 1,500 | 3,180 | NA |
| | 14-May-09 | 3.0 | <5.0 | 1,300 | 3,600 | NA |

**TABLE 4. ABATEMENT PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Sampled | Nitrate (mg/l) | TKN (mg/l) | Chloride (mg/l) | TDS (mg/l) | Sulfate (mg/l) |
|---|---|---|---|---|---|---|
| DAD-15 | 5-Sep-23 | 21 | <5.0 | 710 | 2,660 | NA |
| | 30-May-23 | 15 | <2.0 | 640 | 2,320 | NA |
| | 6-Mar-23 | 17 | <2.0 | 780 | 2,470 | NA |
| | 5-Dec-22 | 17 | <2.0 | 650 | 2,500 | NA |
| | 31-Aug-22 | 22 | <5.0 | 680 | 2,550 | NA |
| | 26-May-22 | 20 | <5.0 | 770 | 2,510 | NA |
| | 23-Mar-22 | 22 | <5.0 | 640 | 2,590 | NA |
| | 2-Dec-21 | 20 | <5.0 | 700 | 2,470 | NA |
| | 31-Aug-21 | 17 | <2.0 | 640 | 2,230 | NA |
| | 4-Jun-21 | 12 | <2.0 | 760 | 2,280 | NA |
| | 4-Mar-21 | 18 | <2.0 | 650 | 2,310 | NA |
| | 4-Dec-20 | 17 | <2.0 | 590 | 2,230 | NA |
| | 3-Sep-20 | 14 | <2.0 | 600 | 2,210 | NA |
| | 1-Jun-20 | 11 | <2.0 | 600 | 2,060 | NA |
| | 26-Feb-20 | 11 | <2.0 | 610 | 2,010 | NA |
| | 5-Dec-19 | 9.8 | 1.4 | 520 | 2,010 | NA |
| | 21-Aug-19 | 13 | <1.0 | 610 | 2,180 | NA |
| | 24-May-19 | 9.9 | <2.0 | 580 | 2,160 | NA |
| | 8-Mar-19 | 7.5 | <1.0 | 540 | 1,970 | NA |
| | 30-Nov-18 | 6.2 | <1.0 | 530 | 1,840 | NA |
| | 27-Aug-18 | 8.9 | <1.0 | 530 | 2,080 | NA |
| | 1-Jun-18 | 7.1 | <1.0 | 520 | 1,960 | NA |
| | 27-Feb-18 | 7.4 | <1.0 | 550 | 1,970 | NA |
| | 20-Nov-17 | 6.98 | <0.300 | 578 | 1,710 | NA |
| | 28-Aug-17 | 4.60 | <0.0500 | 502 | 1,670 | NA |
| | 9-Jun-17 | 6.07 | <0.100 | 532 | 1,870 | NA |
| | 13-Mar-17 | 5.74 | <0.0501 | 526 | 1,860 | NA |
| | 5-Dec-16 | 5.12 | <0.300 | 496 | 1,660 | NA |
| | 7-Sep-16 | 4.21 | <0.937 | 506 | 1,780 | NA |
| | 8-Jun-16 | 4.41 | <2.24 | 466 | 1,680 | NA |
| | 29-Feb-16 | 4.30 | 3.36 | 536 | 1,720 | NA |
| | 24-Nov-15 | 5.06 | <1.18 | 538 | 1,720 | NA |
| | 1-Sep-15 | 4.20 | <1.18 | 501 | 1,760 | NA |
| | 29-May-15 | 5.43 | <1.18 | 536 | 1,940 | NA |
| | 6-Mar-15 | 5.08 | <1.80 | 491 | 1,780 | NA |
| | 4-Dec-14 | 5.79 | <1.80 | 508 | 1,730 | NA |
| | 2-Sep-14 | 5.97 | <1.80 | 489 | 1,620 | NA |
| | 6-Jun-14 | 6.09 | <1.80 | 510 | 1,750 | NA |
| | 2-Jan-14 | 4.72 | 2.10 | 497 | 1,780 | NA |
| | 10-Sep-13 | 7.56 | 3.50 | 356 | 1,740 | NA |
| | 29-May-13 | 5.29 | <1.66 | 504 | 1,970 | NA |
| | 4-Mar-13 | 5.10 | <1.72 | 515 | 1,800 | NA |
| | 4-Dec-12 | 4.710 | <1.72 | 484 | 1,810 | 256 |
| | 20-Aug-12 | 2.370 | 35.00 | 351 | 1,330 | 256 |

**TABLE 4. ABATEMENT PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Sampled | Nitrate (mg/l) | TKN (mg/l) | Chloride (mg/l) | TDS (mg/l) | Sulfate (mg/l) |
|---|---|---|---|---|---|---|
| DAD-16 | 6-Sep-23 | <1.0 | <1.0 | 250 | 1,670 | NA |
| | 30-May-23 | <1.0 | <1.0 | 330 | 1,760 | NA |
| | 6-Mar-23 | <1.0 | <1.0 | 410 | 1,910 | NA |
| | 6-Dec-22 | <1.0 | <1.0 | 330 | 1,880 | NA |
| | 31-Aug-22 | <1.0 | <1.0 | 430 | 2,120 | NA |
| | 26-May-22 | <1.0 | <1.0 | 530 | 2,180 | NA |
| | 16-Mar-22 | <1.0 | <1.0 | 490 | 2,100 | NA |
| | 1-Dec-21 | <1.0 | <1.0 | 540 | 2,160 | NA |
| | 31-Aug-21 | <1.0 | <1.0 | 530 | 2,170 | NA |
| | 4-Jun-21 | <1.0 | <1.0 | 560 | 2,250 | NA |
| | 3-Mar-21 | <1.0 | <1.0 | 430 | 2,030 | NA |
| | 2-Dec-20 | <1.0 | <1.0 | 500 | 2,170 | NA |
| | 31-Aug-20 | <1.0 | <1.0 | 520 | 2,200 | NA |
| | 1-Jun-20 | <1.0 | 3.1 | 520 | 2,080 | NA |
| | 25-Feb-20 | <1.0 | <1.0 | 400 | 1,950 | NA |
| | 5-Dec-19 | <1.0 | <1.0 | 470 | 2,130 | NA |
| | 20-Aug-19 | <1.0 | <2.0 | 480 | 2,100 | NA |
| | 23-May-19 | <1.0 | <2.0 | 420 | 2,010 | NA |
| | 8-Mar-19 | <1.0 | <1.0 | 450 | 1,990 | NA |
| | 29-Nov-18 | <1.0 | <1.0 | 520 | 2,200 | NA |
| | 27-Aug-18 | <1.0 | <1.0 | 550 | 2,410 | NA |
| | 1-Jun-18 | <1.0 | <1.0 | 620 | 2,440 | NA |
| | 27-Feb-18 | 0.51 | <1.0 | 390 | 1,780 | NA |
| | 28-Nov-17 | 0.246 | 0.963 | 583 | 2,120 | NA |
| | 28-Aug-17 | 1.18 | 0.304 | 723 | 2,450 | NA |
| | 6-Jun-17 | 0.656 | 1.11 | 666 | 2,710 | NA |
| | 8-Mar-17 | 0.993 | 0.804 | 649 | 2,690 | NA |
| | 2-Dec-16 | 1.76 | 3.14 | 342 | 1,900 | NA |
| | 7-Sep-16 | 1.56 | <0.937 | 821 | 3,000 | NA |
| | 6-Jun-16 | 1.02 | <2.24 | 423 | 2,070 | NA |
| | 29-Feb-16 | 0.327 | 6.72 | 629 | 2,440 | NA |
| | 30-Nov-15 | 1.25 | <1.18 | 611 | 2,520 | NA |
| | 2-Sep-15 | 2.72 | 1.40 | 424 | 1,970 | NA |
| | 29-May-15 | 3.30 | 1.40 | 431 | 2,060 | NA |
| | 5-Mar-15 | 1.04 | <1.80 | 683 | 2,650 | NA |
| | 4-Dec-14 | 2.79 | <1.80 | 679 | 2,220 | NA |
| | 2-Sep-14 | 2.44 | <1.80 | 579 | 2,300 | NA |
| | 3-Jun-14 | 1.49 | 2.10 | 569 | 2,260 | NA |
| | 10-Mar-14 | 1.65 | <1.66 | 573 | 2,100 | NA |
| | 12-Dec-13 | 1.28 | 2.10 | 561 | 2,210 | NA |
| | 9-Sep-13 | 0.832 | 4.20 | 538 | 2,260 | NA |
| | 29-May-13 | 1.68 | <1.66 | 501 | 2,200 | NA |
| | 5-Mar-13 | 2.55 | <1.72 | 674 | 2,670 | NA |
| | 5-Dec-12 | 2.420 | <1.72 | 529 | 2,280 | NA |
| | 22-Aug-12 | <0.0290 | <1.72 | 472 | 2,000 | NA |
| | 14-May-12 | 0.147 | <1.72 | 378 | 2,080 | NA |
| | 1-Feb-12 | <0.500 | <2.17 | 438 | 1,960 | NA |
| | 27-Oct-11 | <0.500 | 3.36 | 410 | 1,520 | 408 |

**TABLE 4. ABATEMENT PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Sampled | Nitrate (mg/l) | TKN (mg/l) | Chloride (mg/l) | TDS (mg/l) | Sulfate (mg/l) |
|---|---|---|---|---|---|---|
| DAD-17 | 11-Sep-23 | <1.0 | <1.0 | 66 | 613 | NA |
| | 1-Jun-23 | <1.0 | <1.0 | 190 | 968 | NA |
| | 8-Mar-23 | <1.0 | <1.0 | 170 | 938 | NA |
| | 8-Dec-22 | <1.0 | <1.0 | 170 | 878 | NA |
| | 1-Sep-22 | <1.0 | <1.0 | 140 | 853 | NA |
| | 31-May-22 | <1.0 | <1.0 | 190 | 936 | NA |
| | 17-Mar-22 | 2.7 | <1.0 | 170 | 985 | NA |
| | 6-Dec-21 | 1.2 | <1.0 | 190 | 985 | NA |
| | 2-Sep-21 | 2.6 | <1.0 | 130 | 742 | NA |
| | 7-Jun-21 | 4.0 | <1.0 | 180 | 972 | NA |
| | 4-Mar-21 | 1.3 | <1.0 | 96 | 634 | NA |
| | 2-Dec-20 | <1.0 | <1.0 | 92 | 604 | NA |
| | 2-Sep-20 | 1.8 | <1.0 | 73 | 586 | NA |
| | 2-Jun-20 | 1.7 | <1.0 | 86 | 698 | NA |
| | 25-Feb-20 | <1.0 | <1.0 | 71 | 554 | NA |
| | 5-Dec-19 | 1.5 | <1.0 | 65 | 582 | NA |
| | 21-Aug-19 | 4.9 | <1.0 | 120 | 785 | NA |
| | 23-May-19 | 1.3 | <2.0 | 74 | 650 | NA |
| | 8-Mar-19 | 2.4 | <1.0 | 89 | 638 | NA |
| | 29-Nov-18 | <1.0 | <1.0 | 70 | 624 | NA |
| | 24-Aug-18 | 2.0 | <1.0 | 56 | 580 | NA |
| | 31-May-18 | 1.2 | <1.0 | 60 | 620 | NA |
| | 27-Feb-18 | 0.62 | <1.0 | 54 | 572 | NA |
| | 28-Nov-17 | 3.17 | 0.169 | 65.4 | 690 | NA |
| | 25-Aug-17 | 10.3 | <0.0500 | 454 | 1,740 | NA |
| | 7-Jun-17 | 0.939 | 0.234 | 84.2 | 970 | NA |
| | 13-Mar-17 | 0.509 | 0.352 | 103 | 885 | NA |
| | 5-Dec-16 | 1.46 | 0.370 | 126 | 755 | NA |
| | 8-Sep-16 | 1.89 | <0.937 | 169 | 1,100 | NA |
| | 6-Jun-16 | 0.626 | <2.24 | 240 | 1,440 | NA |
| | 1-Mar-16 | <0.0610 | <1.18 | 183 | 1,260 | NA |
| | 30-Nov-15 | <0.0387 | <1.18 | 373 | 1,550 | NA |
| | 2-Sep-15 | <0.0387 | <1.18 | 270 | 1,460 | NA |
| | 28-May-15 | 0.486 | <1.18 | 199 | 1,560 | NA |
| | 5-Mar-15 | 0.797 | <1.80 | 348 | 1,660 | NA |
| | 5-Dec-14 | 6.87 | <1.80 | 451 | 1,820 | NA |
| | 3-Sep-14 | 2.48 | <1.80 | 442 | 1,920 | NA |
| | 3-Jun-14 | 1.03 | <1.80 | 525 | 2,600 | NA |
| | 11-Mar-14 | 3.27 | <3.32 | 440 | 1,820 | NA |
| | 12-Dec-13 | 2.45 | 2.80 | 412 | 1,640 | NA |
| | 9-Sep-13 | 0.370 | 2.10 | 451 | 2,340 | NA |
| | 24-May-13 | 0.827 | <1.66 | 317 | 1,400 | NA |
| | 5-Mar-13 | 2.06 | <1.72 | 351 | 1,550 | NA |
| | 5-Dec-12 | 2.28 | <1.72 | 230 | 1,260 | NA |
| | 22-Aug-12 | <0.0290 | <1.72 | 189 | 930 | NA |
| | 10-May-12 | <0.114 | <1.72 | 353 | 1,580 | NA |
| | 1-Feb-12 | <0.500 | 3.36 | 113 | 714 | NA |
| | 26-Oct-11 | <0.500 | 3.50 | 175 | 724 | 186 |

**TABLE 4. ABATEMENT PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Sampled | Nitrate (mg/l) | TKN (mg/l) | Chloride (mg/l) | TDS (mg/l) | Sulfate (mg/l) |
|---|---|---|---|---|---|---|
| DAD-18 Vertical Delineation | 12-Sep-23 | 7.7 | <1.0 | 630 | 2,600 | NA |
| | 5-Jun-23 | 7.4 | <1.0 | 680 | 2,660 | NA |
| | 8-Mar-23 | 6.9 | <1.0 | 690 | 2,700 | NA |
| | 8-Dec-22 | 6.8 | 1.1 | 720 | 2,670 | NA |
| | 12-Sep-22 | 7.6 | 16 | 600 | 2,590 | NA |
| | 31-May-22 | 7.7 | <1.0 | 690 | 2,580 | NA |
| | 18-Mar-22 | 6.3 | 1.1 | 590 | 2,530 | NA |
| | 6-Dec-21 | 7.0 | <1.0 | 640 | 2,510 | NA |
| | 2-Sep-21 | 7.4 | <1.0 | 640 | 2,580 | NA |
| | 7-Jun-21 | 7.4 | <1.0 | 670 | 2,700 | NA |
| | 4-Mar-21 | 7.9 | <1.0 | 690 | 2,660 | NA |
| | 3-Dec-20 | 8.5 | <1.0 | 720 | 2,730 | NA |
| | 2-Sep-20 | 8.0 | <1.0 | 690 | 2,740 | NA |
| | 2-Jun-20 | 8.1 | <1.0 | 670 | 2,760 | NA |
| | 25-Feb-20 | 9.3 | <1.0 | 660 | 2,690 | NA |
| | 5-Dec-19 | 8.7 | <1.0 | 570 | 2,620 | NA |
| | 20-Aug-19 | 10 | <2.0 | 650 | 2,640 | NA |
| | 28-May-19 | 9.5 | <2.0 | 650 | 2,620 | NA |
| | 11-Mar-19 | 9.4 | <2.0 | 620 | 2,600 | NA |
| | 29-Nov-18 | 10 | <2.0 | 680 | 2,650 | NA |
| | 28-Aug-18 | 12 | <2.0 | 630 | 2,720 | NA |
| | 4-Jun-18 | 12 | <2.0 | 720 | 2,740 | NA |
| | 28-Feb-18 | 15 | <2.0 | 560 | 2,750 | NA |
| | 29-Nov-17 | 10.6 | 0.840 | 684 | 2,520 | NA |
| | 29-Aug-17 | 13.6 | 0.475 | 620 | 2,570 | NA |
| | 12-Jun-17 | 10.4 | 0.652 | 710 | 2,760 | NA |
| | 8-Mar-17 | 9.07 | 0.242 | 684 | 2,750 | NA |
| | 5-Dec-16 | 7.88 | 0.713 | 684 | 2,730 | NA |
| | 9-Sep-16 | 6.85 | <0.937 | 688 | 2,650 | NA |
| | 6-Jun-16 | 8.04 | <2.24 | 671 | 2,830 | NA |
| | 1-Mar-16 | 8.55 | <1.18 | 918 | 2,860 | NA |
| | 30-Nov-15 | 8.19 | 1.68 | 923 | 2,760 | NA |
| | 2-Sep-15 | 8.47 | 3.50 | 741 | 2,960 | NA |
| | 28-May-15 | 9.86 | 1.40 | 825 | 2,940 | NA |
| | 5-Mar-15 | 10.0 | <1.80 | 736 | 2,930 | NA |
| | 5-Dec-14 | 19.3 | <1.80 | 623 | 2,780 | NA |
| | 3-Sep-14 | 12.1 | <1.80 | 713 | 2,960 | NA |
| | 3-Jun-14 | 13.2 | <1.80 | 749 | 2,760 | NA |
| | 11-Mar-14 | 12.8 | <1.66 | 739 | 2,880 | NA |
| | 12-Dec-13 | 11.8 | 2.10 | 719 | 2,840 | NA |
| | 9-Sep-13 | 10.9 | 2.80 | 697 | 3,040 | NA |
| | 29-May-13 | 11.9 | <1.66 | 734 | 3,020 | NA |
| | 5-Mar-13 | 11.2 | <1.72 | 712 | 2,700 | NA |
| | 5-Dec-12 | 10.10 | <1.72 | 643 | 2,690 | NA |
| | 22-Aug-12 | 9.03 | 4.62 | 642 | 2,790 | NA |
| | 10-May-12 | 9.11 | <1.72 | 558 | 2,700 | NA |
| | 1-Feb-12 | 9.62 | <2.17 | 629 | 2,470 | NA |
| | 7-Dec-11 | 9.21 | <2.17 | 639 | 2,670 | 495 |

**TABLE 4. ABATEMENT PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Sampled | Nitrate (mg/l) | TKN (mg/l) | Chloride (mg/l) | TDS (mg/l) | Sulfate (mg/l) |
|---|---|---|---|---|---|---|
| DAD-19 Vertical Delineation | 11-Sep-23 | 31 | <5.0 | 950 | 2,970 | NA |
| | 1-Jun-23 | 33 | <5.0 | 980 | 3,060 | NA |
| | 7-Mar-23 | 31 | <5.0 | 970 | 3,060 | NA |
| | 7-Dec-22 | 30 | <5.0 | 960 | 3,050 | NA |
| | 1-Sep-22 | 32 | <5.0 | 970 | 3,040 | NA |
| | 27-May-22 | 34 | <5.0 | 1,000 | 2,960 | NA |
| | 17-Mar-22 | 27 | <5.0 | 980 | 2,960 | NA |
| | 2-Dec-21 | 36 | <5.0 | 970 | 3,050 | NA |
| | 1-Sep-21 | 36 | <5.0 | 1,000 | 3,060 | NA |
| | 4-Jun-21 | 35 | <5.0 | 1,000 | 2,960 | NA |
| | 3-Mar-21 | 29 | <5.0 | 940 | 2,810 | NA |
| | 4-Dec-20 | 33 | <2.0 | 920 | 2,970 | NA |
| | 3-Sep-20 | 30 | <5.0 | 970 | 2,920 | NA |
| | 2-Jun-20 | 28 | <5.0 | 930 | 2,890 | NA |
| | 25-Feb-20 | 33 | <5.0 | 940 | 3,020 | NA |
| | 4-Dec-19 | 35 | <1.0 | 1,000 | 3,110 | NA |
| | 20-Aug-19 | 46 | <5.0 | 1,000 | 3,170 | NA |
| | 28-May-19 | 41 | <5.0 | 1,000 | 3,090 | NA |
| | 11-Mar-19 | 34 | <5.0 | 970 | 2,920 | NA |
| | 30-Nov-18 | 35 | <5.0 | 990 | 2,960 | NA |
| | 28-Aug-18 | 24 | <5.0 | 960 | 2,950 | NA |
| | 4-Jun-18 | 39 | <5.0 | 980 | 3,070 | NA |
| | 28-Feb-18 | 33 | <5.0 | 890 | 3,040 | NA |
| | 29-Nov-17 | 25.3 | <0.0500 | 1,040 | 2,750 | NA |
| | 29-Aug-17 | 30.7 | <0.0500 | 864 | 2,770 | NA |
| | 12-Jun-17 | 20.7 | <0.100 | 928 | 2,790 | NA |
| | 13-Mar-17 | 30.7 | <0.0501 | 970 | 2,870 | NA |
| | 6-Dec-16 | 22.5 | <0.300 | 944 | 3,420 | NA |
| | 9-Sep-16 | 25.2 | <0.937 | 418 | 2,910 | NA |
| | 8-Jun-16 | 24.5 | <2.24 | 1,830 | 2,920 | NA |
| | 1-Mar-16 | 36.3 | <1.18 | 1,060 | 3,200 | NA |
| | 30-Nov-15 | 41.2 | <1.18 | 1,050 | 3,260 | NA |
| | 2-Sep-15 | 36.9 | <1.18 | 1,000 | 3,260 | NA |
| | 28-May-15 | 43.6 | <1.18 | 994 | 3,240 | NA |
| | 6-Mar-15 | 46.2 | <1.80 | 966 | 3,160 | NA |
| | 5-Dec-14 | 10.7 | <1.80 | 782 | 2,670 | NA |
| | 3-Sep-14 | 41.0 | <1.80 | 899 | 3,240 | NA |
| | 4-Jun-14 | 54.3 | <1.80 | 914 | 3,220 | NA |
| | 18-Mar-14 | 50.3 | <1.66 | 861 | 3,130 | NA |
| | 12-Dec-13 | 48.9 | 2.10 | 930 | 3,240 | NA |
| | 9-Sep-13 | 54.6 | <1.66 | 1,260 | 3,270 | NA |
| | 30-May-13 | 71.3 | <1.66 | 951 | 3,560 | NA |
| | 4-Mar-13 | 69.1 | <1.72 | 986 | 3,430 | NA |
| | 5-Dec-12 | 54.2 | <1.72 | 851 | 3,230 | NA |
| | 21-Aug-12 | 59.2 | <1.72 | 843 | 3,470 | NA |
| | 10-May-12 | 54.8 | <1.72 | 835 | 3,460 | NA |
| | 1-Feb-12 | 59.8 | <2.17 | 913 | 2,950 | NA |
| | 7-Dec-11 | 47.4 | <2.17 | 789 | 3,070 | 544 |

**TABLE 4. ABATEMENT PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Sampled | Nitrate (mg/l) | TKN (mg/l) | Chloride (mg/l) | TDS (mg/l) | Sulfate (mg/l) |
|---|---|---|---|---|---|---|
| DAD-24 Vertical Delineation | 11-Sep-23 | 6.0 | <1.0 | 980 | 2,890 | NA |
| | 1-Jun-23 | 6.0 | <1.0 | 990 | 2,790 | NA |
| | 7-Mar-23 | 5.9 | <1.0 | 970 | 2,790 | NA |
| | 7-Dec-22 | 5.7 | <1.0 | 940 | 2,780 | NA |
| | 1-Sep-22 | 5.4 | <1.0 | 1,000 | 2,710 | NA |
| | 27-May-22 | 5.9 | <1.0 | 1,000 | 2,610 | NA |
| | 17-Mar-22 | 5.5 | <1.0 | 890 | 2,620 | NA |
| | 2-Dec-21 | 5.4 | <1.0 | 980 | 2,610 | NA |
| | 1-Sep-21 | 6.5 | <1.0 | 960 | 2,690 | NA |
| | 4-Jun-21 | 5.6 | <1.0 | 1,000 | 2,560 | NA |
| | 3-Mar-21 | 5.5 | <1.0 | 970 | 2,540 | NA |
| | 4-Dec-20 | 5.4 | <1.0 | 920 | 2,600 | NA |
| | 2-Sep-20 | 5.6 | <1.0 | 940 | 2,630 | NA |
| | 2-Jun-20 | 5.5 | <1.0 | 910 | 2,650 | NA |
| | 25-Feb-20 | 5.5 | <1.0 | 920 | 2,510 | NA |
| | 4-Dec-19 | 6.2 | <1.0 | 950 | 2,550 | NA |
| | 20-Aug-19 | 5.8 | <1.0 | 950 | 2,630 | NA |
| | 28-May-19 | 6.1 | <1.0 | 980 | 2,590 | NA |
| | 11-Mar-19 | 6.0 | <1.0 | 940 | 2,490 | NA |
| | 30-Nov-18 | 6.5 | <1.0 | 940 | 2,560 | NA |
| | 31-Aug-18 | 6.1 | <1.0 | 930 | 2,600 | NA |
| | 4-Jun-18 | 6.5 | <1.0 | 960 | 2,570 | NA |
| | 28-Feb-18 | 5.8 | <1.0 | 810 | 2,480 | NA |
| | 29-Nov-17 | 6.25 | <0.0500 | 994 | 2,220 | NA |
| | 29-Aug-17 | 4.10 | <0.0500 | 910 | 2,420 | NA |
| | 12-Jun-17 | 6.94 | <0.100 | 969 | 2,630 | NA |
| | 13-Mar-17 | 6.84 | <0.0501 | 947 | 2,530 | NA |
| | 28-Dec-16 | NA | NA | NA | 2,600 | NA |
| | 6-Dec-16 | 6.19 | <0.300 | 938 | 2,630 R | NA |
| | 9-Sep-16 | 1.84 | <0.937 | 425 | 1,620 | NA |
| | 8-Jun-16 | 2.55 | <2.24 | 482 | 1,620 | NA |
| | 1-Mar-16 | 2.22 | <1.18 | 511 | 1,670 | NA |
| DAD-25 | 12-Sep-23 | 7.6 | <1.0 | 800 | 2,380 | NA |
| | 5-Jun-23 | 7.9 | <1.0 | 780 | 2,160 | NA |
| | 9-Mar-23 | 7.7 | <1.0 | 740 | 1,740 | NA |
| | 8-Dec-22 | 5.8 | <1.0 | 590 | 1,940 | NA |
| | 12-Sep-22 | 4.8 | <1.0 | 550 | 1,820 | NA |
| | 1-Jun-22 | 4.4 | <1.0 | 420 | 1,780 | NA |
| | 18-Mar-22 | 3.4 | <2.0 | 120 | 840 | NA |
| | 7-Dec-21 | 2.8 | 2.2 | 170 | 1,220 | NA |
| | 3-Sep-21 | 9.5 | <2.0 | 140 | 880 | NA |
| | 7-Jun-21 | 9.0 | <2.0 | 940 | 2,440 | NA |
| | 4-Mar-21 | 8.2 | <2.0 | 880 | 2,030 | NA |
| | 3-Dec-20 | 7.7 | <2.0 | 850 | 2,080 | NA |
| | 2-Sep-20 | 7.4 | <2.0 | 760 | 2,180 | NA |
| | 2-Jun-20 | 7.5 | <1.0 | 700 | 2,500 | NA |
| | 26-Feb-20 | 7.6 | <2.0 | 760 | 2,100 | NA |
| | 6-Dec-19 | 7.0 | <2.0 | 640 | 1,800 | NA |
| | 22-Aug-19 | 5.6 | <2.0 | 600 | 1,830 | NA |
| | 28-May-19 | 5.5 | <5.0 | 600 | 1,790 | NA |
| | 11-Mar-19 | 4.8 | <1.0 | 560 | 1,570 | NA |
| | 29-Nov-18 | 5.0 | <1.0 | 550 | 1,580 | NA |
| | 28-Aug-18 | 5.0 | <2.0 | 510 | 1,800 | NA |
| | 4-Jun-18 | 5.6 | <2.0 | 550 | 1,540 | NA |
| | 27-Feb-18 | 6.3 | <1.0 | 490 | 1,480 | NA |
| | 27-Nov-17 | 6.78 | 0.411 | 456 | 1,310 | NA |
| | 25-Aug-17 | 20.1 | 0.768 | 414 | 1,660 | NA |
| | 8-Jun-17 | 10.1 | <0.100 | 678 | 1,940 | NA |
| | 10-Mar-17 | 22.5 | <0.0501 | 954 | 2,920 | NA |
| | 2-Dec-16 | 31.9 | <0.300 | 1,350 | 3,750 | NA |
| | 8-Sep-16 | 32.6 | <0.937 | 1,420 | 4,010 | NA |
| | 6-Jun-16 | 24.8 | <2.24 | 1,390 | 3,400 | NA |
| | 1-Mar-16 | 52.5 | <1.18 | 1,380 | 4,020 | NA |
| | 22-Dec-15 | 57.9 | <1.18 | 1,580 | 4,640 | NA |
| **NMWQCC Standard** | | **10** | **NA** | **250** | **1,000** | **600** |
| **Existing Conditions - August 2020** | | **NA** | **NA** | **367** | **1,758** | **NA** |
| **Existing Conditions - Pre-August 2020*** | | **NA** | **NA** | **1,781** | **5,328** | **NA** |

**TABLE 4. ABATEMENT PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Sampled | Nitrate (mg/l) | TKN (mg/l) | Chloride (mg/l) | TDS (mg/l) | Sulfate (mg/l) |
|---|---|---|---|---|---|---|
| **Southern Portion** | | | | | | |
| DAD-09 Perched Aquifer | 13-Sep-23 | 30 | <5.0 | 410 | 1,640 | NA |
| | 6-Jun-23 | 33 | <5.0 | 520 | 1,890 | NA |
| | 9-Mar-23 | 35 | <5.0 | 520 | 1,880 | NA |
| | 9-Dec-22 | 36 | <5.0 | 570 | 1,920 | NA |
| | 13-Sep-22 | 32 | <5.0 | 480 | 1,960 | NA |
| | 1-Jun-22 | 33 | <5.0 | 510 | 1,960 | NA |
| | 22-Mar-22 | 32 | <5.0 | 510 | 1,860 | NA |
| | 7-Dec-21 | 35 | <5.0 | 380 | 1,540 | NA |
| | 3-Sep-21 | 42 | <5.0 | 93 | 785 | NA |
| | 28-May-21 | 24 | <5.0 | 450 | 1,800 | NA |
| | 8-Mar-21 | 29 | <5.0 | 510 | 1,900 | NA |
| | 7-Dec-20 | 24 | <5.0 | 490 | 1,840 | NA |
| | 3-Sep-20 | 22 | <5.0 | 450 | 1,720 | NA |
| | 3-Jun-20 | 46 | <5.0 | 550 | 2,350 | NA |
| | 19-Feb-20 | 72 | <5.0 | 610 | 2,230 | NA |
| | 6-Dec-19 | 40 | <5.0 | 250 | 1,340 | NA |
| | 21-Aug-19 | 120 | <2.0 | 890 | 3,380 | NA |
| | 24-May-19 | 120 | <5.0 | 900 | 3,410 | NA |
| | 7-Mar-19 | 100 | <5.0 | 950 | 3,290 | NA |
| | 30-Nov-18 | 74 | <5.0 | 910 | 3,080 | NA |
| | 27-Aug-18 | 76 | <5.0 | 780 | 2,910 | NA |
| | 4-Jun-18 | 66 | <5.0 | 870 | 2,690 | NA |
| | 28-Feb-18 | 60 | <5.0 | 680 | 2,560 | NA |
| | 28-Nov-17 | 49.0 | <0.0500 | 816 | 2,290 | NA |
| | 23-Aug-17 | 43.9 | <0.0500 | 665 | 2,050 | NA |
| | 9-Jun-17 | 66.8 | <0.100 | 773 | 3,300 | NA |
| | 10-Mar-17 | 55.4 | <0.0501 | 667 | 2,530 | NA |
| | 6-Dec-16 | 50.2 | <0.300 | 676 | 2,470 | NA |
| | 7-Sep-16 | 36.0 | <0.937 | 619 | 2,280 | NA |
| | 6-Jun-16 | 34.9 | <2.24 | 583 | 2,240 | NA |
| | 29-Feb-16 | 16.2 | <1.18 | 574 | 2,050 | NA |
| | 23-Nov-15 | 4.95 | <1.18 | 563 | 1,940 | NA |
| | 2-Sep-15 | 7.22 | <1.18 | 536 | 1,920 | NA |
| | 27-May-15 | 5.25 | <1.18 | 508 | 1,920 | NA |
| | 4-Mar-15 | 4.01 | <1.80 | 474 | 1,800 | NA |
| | 5-Dec-14 | 4.27 | <1.80 | 495 | 1,800 | NA |
| | 28-Aug-14 | 5.25 | <1.80 | 466 | 1,720 | NA |
| | 4-Jun-14 | 3.14 | <1.80 | 440 | 1,580 | NA |
| | 18-Mar-14 | 3.44 | <1.66 | 418 | 1,480 | NA |
| | 16-Dec-13 | 17.4 | <1.66 | 294 | 1,200 | NA |
| | 30-Aug-13 | 12.3 | 2.10 | 454 | 1,800 | NA |
| | 30-May-13 | 9.69 | <1.66 | 435 | 1,740 | NA |
| | 6-Mar-13 | 17.1 | <1.72 | 494 | 1,840 | NA |
| | 4-Dec-12 | 33.1 | <1.72 | 588 | 2,200 | NA |
| | 20-Aug-12 | 48.4 | <1.72 | 656 | 2,540 | NA |
| | 10-May-12 | 50.9 | <1.72 | 561 | 2,270 | NA |
| | 31-Jan-12 | 59.8 | <2.17 | 622 | 2,220 | NA |
| | 26-Oct-11 | 77.7 | <2.17 | 728 | 1,600 | 433 |
| | 20-Jul-11 | 70.2 | <2.17 | 727 | 2,500 | NA |
| | 20-Apr-11 | 47.5 | <2.17 | 483 | 1,910 | NA |
| | 19-Jan-11 | 42.8 | 2.38 | 745 | 2,600 | NA |
| | 17-Sep-10 | 22.6 | <10.0 | 204 | 47 | NA |
| | 29-Jun-10 | 59.2 | <5.0 | 667 | 2,240 | NA |
| | 21-Mar-10 | 29 | <5.0 | 290 | 1,190 | NA |
| | 9-Dec-09 | 26 | <5.0 | 300 | 1,190 | NA |
| NMED Split | 9-Dec-09 | 22 | 1.6 | 228 | 1,170 | 152 |
| | 29-Aug-09 | 46 | <5.0 | 640 | 2,320 | NA |
| | 13-May-09 | 44 | <5.0 | 740 | 2,400 | NA |

**TABLE 4. ABATEMENT PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Sampled | Nitrate (mg/l) | TKN (mg/l) | Chloride (mg/l) | TDS (mg/l) | Sulfate (mg/l) |
|---|---|---|---|---|---|---|
| DAD-10 Regional Aquifer | 13-Sep-23 | 1.0 | <1.0 | 360 | 1,340 | NA |
| | 9-Jun-23 | 1.1 | <1.0 | 400 | 1,330 | NA |
| | 10-Mar-23 | 1.3 | <2.0 | 440 | 1,530 | NA |
| | 9-Dec-22 | 1.2 | <1.0 | 420 | 1,280 | NA |
| | 14-Sep-22 | <1.0 | <1.0 | 360 | 1,250 | NA |
| | 2-Jun-22 | 1.2 | <1.0 | 390 | 1,400 | 200 |
| | 23-Mar-22 | 1.4 | <1.0 | 390 | 1,660 | NA |
| | 8-Dec-21 | 1.4 | <2.0 | 460 | 1,750 | NA |
| | 24-Aug-21 | 1.0 | <1.0 | 400 | 1,490 | NA |
| | 28-May-21 | <1.0 | <2.0 | 390 | 1,330 | NA |
| | 8-Mar-21 | 1.5 | <2.0 | 410 | 1,550 | NA |
| | 24-Nov-20 | 1.5 | 1.4 | 420 | 1,330 | NA |
| | 3-Sep-20 | 1.3 | <2.0 | 400 | 1,380 | NA |
| | 4-Jun-20 | 1.3 | <2.0 | 390 | 1,460 | NA |
| | 19-Feb-20 | 1.5 | <1.0 | 380 | 1,480 | NA |
| | 2-Dec-19 | 1.7 | <2.0 | 390 | 1,380 | NA |
| | 22-Aug-19 | 1.7 | <2.0 | 390 | 1,330 | NA |
| | 24-May-19 | 1.7 | <5.0 | 390 | 1,670 | NA |
| | 11-Mar-19 | 2.5 | <1.0 | 380 | 1,280 | NA |
| | 30-Nov-18 | 4.9 | <1.0 | 420 | 1,510 | NA |
| | 27-Aug-18 | 4.1 | <1.0 | 380 | 1,410 | NA |
| | 4-Jun-18 | 5.5 | <2.0 | 410 | 1,430 | NA |
| | 28-Feb-18 | 9.1 | <1.0 | 360 | 1,440 | NA |
| | 28-Nov-17 | 14.5 | <0.0500 | 457 | 1,540 | NA |
| | 25-Aug-17 | 1.14 | <0.0500 | 100 | 790 | NA |
| | 9-Jun-17 | 15.5 | <0.100 | 446 | 1,790 | NA |
| | 8-Mar-17 | 8.40 | <0.0501 | 435 | 1,610 | NA |
| | 6-Dec-16 | 15.6 | <0.300 | 443 | 1,710 | NA |
| | 7-Sep-16 | 14.8 | <0.937 | 451 | 1,620 | NA |
| | 6-Jun-16 | 16.9 | <2.24 | 426 | 1,720 | NA |
| | 29-Feb-16 | 10.5 | <1.18 | 457 | 1,610 | NA |
| | 24-Nov-15 | 0.723 | <1.18 | 146 | 1,560 | NA |
| | 3-Sep-15 | 6.53 | <1.18 | 455 | 1,680 | NA |
| | 27-May-15 | 13.1 | <1.18 | 490 | 1,550 | NA |
| | 4-Mar-15 | 13.9 | <1.80 | 453 | 1,720 | NA |
| | 5-Dec-14 | 12.8 | <1.80 | 461 | 1,720 | NA |
| | 3-Oct-14 | 12.5 | <1.80 | 419 | 1,720 | NA |
| | 28-Aug-14 | 17.0 | <1.80 | 445 | 1,740 | NA |
| | 9-Jun-14 | 6.86 | <1.80 | 454 | 1,560 | NA |
| | 18-Mar-14 | 7.79 | <1.66 | 475 | 1,620 | NA |
| | 16-Dec-13 | 8.34 | 4.90 | 475 | 1,600 | NA |
| | 5-Sep-13 | 6.01 | 3.50 | 451 | 1,480 | NA |
| | 23-May-13 | 5.42 | <1.66 | 453 | 1,450 | NA |
| | 6-Mar-13 | 4.83 | <1.72 | 468 | 1,620 | NA |
| | 4-Dec-12 | 4.33 | <1.72 | 434 | 1,510 | NA |
| | 20-Aug-12 | 2.86 | <1.72 | 389 | 2,520 | NA |
| | 10-May-12 | 1.52 | <1.72 | 361 | 1,400 | NA |
| | 31-Jan-12 | <0.500 | <2.17 | 433 | 800 | NA |
| | 26-Oct-11 | 3.33 | 2.80 | 384 | 1,150 | 206 |
| | 20-Jul-11 | 2.29 | <2.17 | 383 | 1,290 | NA |
| | 20-Apr-11 | 1.30 | <2.17 | 411 | 1,340 | NA |
| | 19-Jan-11 | 12.7 | 2.10 | 429 | 1,140 | NA |
| | 17-Sep-10 | 2.73 | <10.0 | 404 | 1,320 | NA |
| | 29-Jun-10 | 1.28 | <1.0 | 390 | 1,360 | NA |
| | 21-Mar-10 | <2.0 | <1.0 | 420 | 1,380 | NA |
| | 9-Dec-09 | 1.4 | <1.0 | 460 | 1,360 | NA |
| NMED Split | 9-Dec-09 | 1.5 | <0.1 | 378 | 1,340 | 196 |
| | 29-Aug-09 | 1.2 | <1.0 | 420 | 1,340 | NA |
| | 14-May-09 | <2.0 | <1.0 | 410 | 1,300 | NA |

**TABLE 4. ABATEMENT PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Sampled | Nitrate (mg/l) | TKN (mg/l) | Chloride (mg/l) | TDS (mg/l) | Sulfate (mg/l) |
|---|---|---|---|---|---|---|
| DAD-20 Perched Aquifer | 14-Sep-23 | 33 | <5.0 | 690 | 2,340 | NA |
| | 9-Jun-23 | 29 | <5.0 | 940 | 2,520 | NA |
| | 10-Mar-23 | 30 | <5.0 | 840 | 2,220 | NA |
| | 12-Dec-22 | 25 | <5.0 | 630 | 2,050 | NA |
| | 14-Sep-22 | 21 | <5.0 | 790 | 2,620 | NA |
| | 2-Jun-22 | 23 | <5.0 | 1,000 | 2,730 | 450 |
| | 23-Mar-22 | 21 | <5.0 | 730 | 2,300 | NA |
| | 8-Dec-21 | 28 | <5.0 | 910 | 2,540 | NA |
| | 7-Sep-21 | 26 | <5.0 | 860 | 2,480 | NA |
| | 28-May-21 | 24 | <5.0 | 870 | 2,340 | NA |
| | 8-Mar-21 | 28 | <5.0 | 860 | 2,490 | NA |
| | 7-Dec-20 | 26 | <5.0 | 880 | 2,740 | NA |
| | 8-Sep-20 | 30 | <5.0 | 960 | 2,730 | NA |
| | 4-Jun-20 | 31 | <5.0 | 890 | 2,840 | NA |
| | 19-Feb-20 | 34 | <5.0 | 820 | 2,470 | NA |
| | 2-Dec-19 | 36 | <5.0 | 790 | 2,430 | NA |
| | 21-Aug-19 | 40 | <2.0 | 780 | 2,500 | NA |
| | 28-May-19 | 37 | <5.0 | 850 | 2,600 | NA |
| | 7-Mar-19 | 35 | <5.0 | 900 | 2,530 | NA |
| | 30-Nov-18 | 36 | <5.0 | 870 | 2,530 | NA |
| | 28-Aug-18 | 36 | <5.0 | 850 | 2,510 | NA |
| | 1-Jun-18 | 35 | <5.0 | 850 | 2,530 | NA |
| | 28-Feb-18 | 32 | <5.0 | 710 | 2,390 | NA |
| | 28-Nov-17 | 36.6 | <0.0500 | 891 | 2,350 | NA |
| | 24-Aug-17 | 31.4 | <0.0500 | 760 | 2,310 | NA |
| | 7-Jun-17 | 30.6 | <0.100 | 727 | 2,300 | NA |
| | 10-Mar-17 | 29.0 | <0.0501 | 797 | 2,410 | NA |
| | 5-Dec-16 | 22.7 | <0.300 | 798 | 2,360 | NA |
| | 7-Sep-16 | 22.7 | <0.937 | 864 | 2,460 | NA |
| | 6-Jun-16 | 23.8 | <2.24 | 784 | 2,420 | NA |
| | 1-Mar-16 | 22.5 | <1.18 | 867 | 2,390 | NA |
| | 24-Nov-15 | 21.8 | <1.18 | 810 | 2,350 | NA |
| | 2-Sep-15 | 21.0 | <1.18 | 817 | 2,400 | NA |
| | 27-May-15 | 20.2 | <1.18 | 905 | 2,460 | NA |
| | 4-Mar-15 | 20.4 | <1.80 | 784 | 2,340 | NA |
| | 4-Dec-14 | 20.8 | <1.80 | 806 | 2,240 | NA |
| | 28-Aug-14 | 19.3 | <1.80 | 603 | 2,400 | NA |
| | 9-Jun-14 | 20.4 | <1.80 | 773 | 2,470 | NA |
| | 18-Mar-14 | 20.6 | <1.66 | 665 | 2,120 | NA |
| | 16-Dec-13 | 20.2 | 2.10 | 732 | 2,140 | NA |
| | 5-Sep-13 | 19.2 | 5.60 | 808 | 2,870 | NA |
| | 23-May-13 | 25.2 | <1.66 | 707 | 2,320 | NA |
| | 6-Mar-13 | 29.5 | <1.72 | 710 | 2,280 | NA |
| | 4-Dec-12 | 17.0 | <1.72 | 704 | 2,350 | NA |
| | 10-May-12 | Obstruction in Well | | | | |
| | 31-Jan-12 | 21.2 | <2.17 | 568 | 1,000 | NA |
| | 7-Dec-11 | 16.1 | <2.17 | 611 | 2,020 | 383 |

**TABLE 4. ABATEMENT PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Sampled | Nitrate (mg/l) | TKN (mg/l) | Chloride (mg/l) | TDS (mg/l) | Sulfate (mg/l) |
|---|---|---|---|---|---|---|
| DAD-21 Perched Aquifer | 13-Sep-23 | 35 | <5.0 | 710 | 2,590 | NA |
| | 6-Jun-23 | 46 | <5.0 | 780 | 2,620 | NA |
| | 9-Mar-23 | 24 | <5.0 | 640 | 2,380 | NA |
| | 9-Dec-22 | 24 | <5.0 | 640 | 2,300 | NA |
| | 13-Sep-22 | 26 | <5.0 | 690 | 2,590 | NA |
| | 1-Jun-22 | 41 | <5.0 | 870 | 2,980 | NA |
| | 22-Mar-22 | 41 | <5.0 | 900 | 2,840 | NA |
| | 7-Dec-21 | 54 | <5.0 | 1,200 | 2,740 | NA |
| | 3-Sep-21 | 64 | <5.0 | 920 | 3,030 | NA |
| | 28-May-21 | 120 | <5.0 | 950 | 3,330 | NA |
| | 8-Mar-21 | 110 | <5.0 | 980 | 3,440 | NA |
| | 7-Dec-20 | 120 | <5.0 | 990 | 3,610 | NA |
| | 3-Sep-20 | 120 | <5.0 | 970 | 3,580 | NA |
| | 3-Jun-20 | 100 | <5.0 | 860 | 3,370 | NA |
| | 19-Feb-20 | 110 | <5.0 | 950 | 3,430 | NA |
| | 6-Dec-19 | 110 | <5.0 | 770 | 3,200 | NA |
| | 21-Aug-19 | 86 | <1.0 | 880 | 3,040 | NA |
| | 24-May-19 | 87 | <5.0 | 860 | 2,920 | NA |
| | 7-Mar-19 | 80 | <5.0 | 860 | 3,030 | NA |
| | 30-Nov-18 | 110 | <5.0 | 910 | 3,180 | NA |
| | 27-Aug-18 | 90 | <5.0 | 830 | 3,010 | NA |
| | 4-Jun-18 | 81 | <5.0 | 750 | 2,900 | NA |
| | 28-Feb-18 | 76 | <5.0 | 700 | 2,820 | NA |
| | 28-Nov-17 | 70.7 | <0.0500 | 928 | 2,860 | NA |
| | 23-Aug-17 | 51.1 | <0.0500 | 826 | 2,910 | NA |
| | 9-Jun-17 | 71.3 | <0.100 | 977 | 3,360 | NA |
| | 10-Mar-17 | 69.2 | <0.0501 | 939 | 3,190 | NA |
| | 28-Dec-16 | NA | NA | NA | 2,920 | NA |
| | 6-Dec-16 | 59.9 | <0.300 | 936 | 3,020 R | NA |
| | 7-Sep-16 | 58.9 | <0.937 | 1,020 | 3,180 | NA |
| | 6-Jun-16 | 55.2 | <2.24 | 1,350 | 2,920 | NA |
| | 29-Feb-16 | 35.6 | 3.92 | 815 | 2,360 | NA |
| | 23-Nov-15 | 6.28 | <1.18 | 708 | 2,090 | NA |
| | 2-Sep-15 | 4.27 | 1.40 | 720 | 2,100 | NA |
| | 27-May-15 | 6.44 | <1.18 | 609 | 1,910 | NA |
| | 4-Mar-15 | 5.95 | <1.80 | 487 | 1,850 | NA |
| | 4-Dec-14 | 5.03 | <1.80 | 465 | 1,760 | NA |
| | 28-Aug-14 | 13.0 | <1.80 | 520 | 2,080 | NA |
| | 4-Jun-14 | 15.0 | <1.80 | 532 | 2,180 | NA |
| | 18-Mar-14 | 18.1 | <1.66 | 592 | 2,140 | NA |
| | 16-Dec-13 | 16.9 | <1.66 | 568 | 1,890 | NA |
| | 5-Sep-13 | 12.0 | 4.20 | 583 | 1,990 | NA |
| | 24-May-13 | 6.73 | <1.66 | 509 | 1,960 | NA |
| | 6-Mar-13 | 5.76 | <1.72 | 516 | 1,910 | NA |
| | 4-Dec-12 | 3.47 | <1.72 | 445 | 1,720 | NA |
| | 20-Aug-12 | 3.45 | <1.72 | 409 | 1,660 | NA |
| | 10-May-12 | 1.16 | <1.72 | 364 | 2,840 | NA |
| | 31-Jan-12 | 6.79 | 2.94 | 475 | 1,620 | NA |
| | 7-Dec-11 | 2.14 | <2.17 | 396 | 1,600 | 219 |

**TABLE 4. ABATEMENT PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Sampled | Nitrate (mg/l) | TKN (mg/l) | Chloride (mg/l) | TDS (mg/l) | Sulfate (mg/l) |
|---|---|---|---|---|---|---|
| DAD-22 Perched Aquifer | 13-Sep-23 | 14 | <2.0 | 740 | 2,410 | NA |
| | 6-Jun-23 | 15 | <2.0 | 870 | 2,360 | NA |
| | 9-Mar-23 | 15 | <2.0 | 870 | 2,320 | NA |
| | 9-Dec-22 | 16 | <2.0 | 880 | 2,340 | NA |
| | 14-Sep-22 | 15 | <2.0 | 780 | 2,420 | NA |
| | 2-Jun-22 | 16 | <2.0 | 880 | 2,440 | 440 |
| | 23-Mar-22 | 16 | <2.0 | 780 | 2,440 | NA |
| | 8-Dec-21 | 14 | <2.0 | 880 | 2,350 | NA |
| | 3-Sep-21 | 14 | <2.0 | 860 | 2,430 | NA |
| | 28-May-21 | 11 | <2.0 | 840 | 2,390 | NA |
| | 8-Mar-21 | 13 | <2.0 | 890 | 2,360 | NA |
| | 7-Dec-20 | 12 | <2.0 | 870 | 2,490 | NA |
| | 8-Sep-20 | 12 | <2.0 | 850 | 2,410 | NA |
| | 3-Jun-20 | 11 | <2.0 | 840 | 2,460 | NA |
| | 19-Feb-20 | 11 | <2.0 | 870 | 2,340 | NA |
| | 6-Dec-19 | 6.7 | <5.0 | 780 | 2,360 | NA |
| | 21-Aug-19 | 17 | <1.0 | 840 | 2,390 | NA |
| | 24-May-19 | 20 | <2.0 | 770 | 2,320 | NA |
| | 7-Mar-19 | 26 | <5.0 | 670 | 2,200 | NA |
| | 30-Nov-18 | 18 | <5.0 | 670 | 2,120 | NA |
| | 24-Aug-18 | 29 | <5.0 | 700 | 2,380 | NA |
| | 1-Jun-18 | 20 | <2.0 | 810 | 2,390 | NA |
| | 27-Feb-18 | 12 | <2.0 | 860 | 2,420 | NA |
| | 28-Nov-17 | 16.2 | <0.0500 | 4.03 | 2,250 | NA |
| | 23-Aug-17 | 19.0 | <0.0500 | 803 | 2,410 | NA |
| | 7-Jun-17 | 22.2 | <0.100 | 846 | 2,500 | NA |
| | 7-Mar-17 | 27.3 | <0.300 | 817 | 2,360 | NA |
| | 5-Dec-16 | 25.4 | <0.300 | 808 | 2,480 | NA |
| | 6-Sep-16 | 23.6 | <0.937 | 863 | 2,380 | NA |
| | 8-Jun-16 | 21.8 | <2.24 | 815 | 2,420 | NA |
| | 25-Feb-16 | 18.5 | 4.48 | 932 | 2,380 | NA |
| | 23-Nov-15 | 6.52 | <1.18 | 964 | 2,340 | NA |
| | 2-Sep-15 | 6.35 | <1.18 | 948 | 2,500 | NA |
| | 27-May-15 | 6.56 | <1.18 | 920 | 2,520 | NA |
| | 3-Mar-15 | 6.22 | <1.80 | 884 | 2,400 | NA |
| | 3-Dec-14 | 6.52 | <1.80 | 915 | 2,480 | NA |
| | 28-Aug-14 | 6.60 | <1.80 | 810 | 2,420 | NA |
| | 6-Jun-14 | 6.80 | <1.80 | 906 | 2,480 | NA |
| | 18-Mar-14 | 6.38 | <1.66 | 846 | 2,420 | NA |
| | 13-Dec-13 | 6.35 | <1.66 | 909 | 2,440 | NA |
| | 5-Sep-13 | Did Not Contain Enough Water to Sample | | | | |
| | 24-May-13 | 9.29 | <1.66 | 920 | 2,580 | NA |
| | 6-Mar-13 | 8.25 | <1.72 | 909 | 2,610 | NA |
| | 4-Dec-12 | 12.0 | <1.72 | 886 | 2,740 | NA |
| | 20-Aug-12 | 15.3 | 2.10 | 878 | 2,280 | NA |
| | 10-May-12 | 18.3 | <1.72 | 818 | 1,580 | NA |
| | 1-Feb-12 | 23.6 | <2.17 | 908 | 3,000 | NA |
| | 26-Oct-11 | 29.5 | 2.52 | 781 | 3,860 | 494 |

**TABLE 4. ABATEMENT PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Sampled | Nitrate (mg/l) | TKN (mg/l) | Chloride (mg/l) | TDS (mg/l) | Sulfate (mg/l) |
|---|---|---|---|---|---|---|
| DAD-26 Perched Aquifer | 14-Sep-23 | 16 | <2.0 | 930 | 3,030 | NA |
| | 6-Jun-23 | 22 | <5.0 | 610 | 2,010 | NA |
| | 10-Mar-23 | 23 | <5.0 | 720 | 2,070 | NA |
| | 12-Dec-22 | 24 | <5.0 | 500 | 1,740 | NA |
| | 14-Sep-22 | 26 | <5.0 | 490 | 1,940 | NA |
| | 2-Jun-22 | 26 | <5.0 | 520 | 1,860 | 360 |
| | 23-Mar-22 | 22 | <5.0 | 560 | 1,790 | NA |
| | 8-Dec-21 | 15 | <2.0 | 470 | 1,610 | NA |
| | 7-Sep-21 | 3.8 | <1.0 | 560 | 1,820 | NA |
| | 28-May-21 | 10 | <2.0 | 640 | 2,060 | NA |
| | 8-Mar-21 | 6.8 | <1.0 | 810 | 2,460 | NA |
| | 7-Dec-20 | 25 | <5.0 | 580 | 2,010 | NA |
| | 8-Sep-20 | 38 | <5.0 | 640 | 2,270 | NA |
| | 3-Jun-20 | 35 | <5.0 | 640 | 2,320 | NA |
| | 19-Feb-20 | 16 | <2.0 | 480 | 1,680 | NA |
| | 6-Dec-19 | 1.8 | <5.0 | 300 | 1,060 | NA |
| | 21-Aug-19 | 43 | <1.0 | 700 | 2,410 | NA |
| | 28-May-19 | 41 | <5.0 | 730 | 2,360 | NA |
| | 7-Mar-19 | 50 | <5.0 | 800 | 2,670 | NA |
| | 30-Nov-18 | 48 | <5.0 | 860 | 2,770 | NA |
| | 28-Aug-18 | 110 | <5.0 | 870 | 3,020 | NA |
| | 4-Jun-18 | 47 | <5.0 | 920 | 3,240 | NA |
| | 28-Feb-18 | 59 | <5.0 | 940 | 3,000 | NA |
| | 28-Nov-17 | 65.1 | <0.0500 | 1,160 | 3,110 | NA |
| | 28-Aug-17 | 59.8 | <0.0500 | 1,090 | 3,110 | NA |
| | 9-Jun-17 | 60.5 | <0.100 | 1,090 | 3,270 | NA |
| | 10-Mar-17 | 66.3 | <0.0501 | 1,110 | 3,280 | NA |
| | 28-Dec-16 | NA | NA | NA | 3,420 | NA |
| | 6-Dec-16 | 69.6 | <0.300 | 1,090 | 3,160 R | NA |
| | 8-Sep-16 | 63.2 | <0.937 | 1,030 | 3,210 | NA |
| | 6-Jun-16 | 67.0 | <2.24 | 858 | 2,900 | NA |
| | 1-Mar-16 | 61.1 | <1.18 | 837 | 2,760 | NA |
| | 22-Dec-15 | 59.6 | <1.18 | 749 | 2,540 | NA |
| DAD-27 Perched Aquifer | 14-Sep-23 | 6.8 | <1.0 | 450 | 2,100 | NA |
| | 6-Jun-23 | 7.0 | <1.0 | 490 | 1,490 | NA |
| | 10-Mar-23 | 5.9 | <2.0 | 460 | 1,900 | NA |
| | 12-Dec-22 | 6.1 | <1.0 | 470 | 1,870 | NA |
| **NMWQCC Standard** | | **10** | **NA** | **250** | **1,000** | **600** |
| **Existing Conditions - August 2020** | | **NA** | **NA** | **455** | **1,424** | **NA** |
| **Existing Conditions - Pre-August 2020*** | | **NA** | **NA** | **503** | **2,552** | **NA** |

Notes:

Data suspect

* = Pre-August 2020 existing conditions were in place prior to August 2020. This condition is no longer applicable.

NA = Not analyzed

ND = Non detect

NMWQCC = New Mexico Water Quality Control Commission

TDS = Total dissolved solids

R = Rejected. Analyzed out of hold time.

TKN = Total Kjeldahl Nitrogen

DAD-03 (6-29-10) Roots in sample may have resulted in a measured TKN result.

Data from current quarter.

Highlight is at or above NMWQCC Standard.

Highlight is at or above relevant existing conditions value. Applicable to samples collected in or after August 2020.

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Sampled | Nitrate as N (mg/l) | TKN (mg/l) | Chloride (mg/l) | TDS (mg/l) |
|---|---|---|---|---|---|
| **Northern Area** | | | | | |
| **Northern Land Application Area** | | | | | |
| 70-03 | 9-Aug-23 | 38 | <5.0 | 1,600 | 4,400 |
| | 8-May-23 | 39 | <5.0 | 1,500 | 4,640 |
| | 9-Feb-23 | 39 | <5.0 | 1,800 | 4,140 |
| | 8-Nov-22 | 41 | <5.0 | 1,900 | 4,690 |
| | 9-Aug-22 | 39 | <5.0 | 1,600 | 4,750 |
| | 9-May-22 | 37 | <5.0 | 1,500 | 4,430 |
| | 15-Feb-22 | 38 | <5.0 | 1,600 | 4,240 |
| | 5-Nov-21 | 39 | <5.0 | 1,800 | 4,600 |
| | 10-Aug-21 | 41 | <5.0 | 1,800 | 4,770 |
| | 10-May-21 | 40 | <5.0 | 1,800 | 4,760 |
| | 16-Feb-21 | 41 | <5.0 | 1,700 | 4,600 |
| | 11-Nov-20 | 43 | <5.0 | 1,900 | 5,050 |
| | 14-Aug-20 | 47 | <5.0 | 2,100 | 5,590 |
| | 13-May-20 | 50 | <5.0 | 2,200 | 5,810 |
| | 7-Feb-20 | 50 | <1.0 | 2,400 | 6,080 |
| | 15-Nov-19 | 48 | <5.0 | 2,200 | 6,350 |
| | 6-Aug-19 | 53 | <2.0 | 2,800 | 6,810 |
| | 16-May-19 | 50 | <5.0 | 3,100 | 6,850 |
| | 26-Feb-19 | 51 | <5.0 | 3,000 | 7,320 |
| | 15-Nov-18 | 52 | <5.0 | 3,300 | 7,530 |
| | 15-Aug-18 | 50 | <5.0 | 3,100 | 7,900 |
| | 21-May-18 | 50 | <5.0 | 3,200 | 8,080 |
| | 13-Feb-18 | 46 | <5.0 | 3,400 | 8,490 |
| | 9-Nov-17 | 44.7 | 1.26 | 3,320 | 7,940 |
| | 14-Aug-17 | 45.4 | 1.89 | 3,380 | 8,370 |
| | 19-May-17 | 43.5 | 0.539 | 3,330 | 8,370 |
| | 20-Feb-17 | 43.6 | <0.0501 | 3,200 | 8,270 |
| | 22-Nov-16 | 43.4 | <0.300 | 3,250 | 8,430 |
| | 18-Aug-16 | 45.2 | <0.937 | 6,010 | 9,340 |
| | 24-May-16 | 47.4 | <2.24 | 3,220 | 8,330 |
| | 16-Feb-16 | 49.1 | <1.18 | 3,340 | 8,380 |
| | 12-Nov-15 | 46.9 | 4.48 | 2,850 | 7,040 |
| | 19-Aug-15 | 47.4 | <1.18 | 2,510 | 6,760 |
| | 12-May-15 | 47.0 | 1.40 | 3,060 | 7,900 |
| | 10-Feb-15 | 34.8 | <1.80 | 744 | 6,140 |
| | 14-Nov-14 | 49.1 | <1.80 | 2,530 | 6,360 |
| | 20-Aug-14 | 49.8 | <1.80 | 2,590 | 7,000 |
| | 15-May-14 | 48.6 | <1.80 | 2,580 | 6,880 |
| | 19-Feb-14 | 57.1 | <1.66 | 3,400 | 8,380 |
| | 14-Nov-13 | 45.4 | 3.50 | 2,680 | 6,800 |
| | 9-Aug-13 | 48.7 | 3.50 | 2,740 | 6,890 |
| | 9-May-13 | 58.4 | <1.66 | 3,290 | 9,200 |
| | 13-Feb-13 | 59.1 | <1.72 | 3,400 | 8,440 |
| | 7-Nov-12 | 49.5 | <1.72 | 2,850 | 7,950 |
| | 7-Aug-12 | 45.3 | 2.94 | 2,440 | 6,700 |
| | 25-Apr-12 | 53.1 | 5.60 | 2,540 | 6,550 |
| | 2-Feb-12 | 67.6 | <2.17 | 2,840 | 7,480 |
| | 7-Nov-11 | 61.6 | <2.17 | 3,270 | 7,910 |
| | 3-Aug-11 | 63.1 | 2.80 | 3,140 | 8,040 |
| | 21-Apr-11 | 58.9 | <2.17 | 3,130 | 8,040 |
| | 27-Jan-11 | 71.2 | 3.36 | 3,140 | 7,580 |
| | 22-Sep-10 | 62.8 | <10.0 | 2,940 | 7,840 |
| | 30-Jun-10 | 57 | <1.0 | 2,200 | 5,720 |
| | 26-Mar-10 | 29.6 | ND | 2,160 | 5,180 |
| | 15-Dec-09 | 27.1 | ND | 2,199 | 5,462 |
| | 2-Sep-09 | 25.4 | ND | 2,149 | 5,570 |
| | 4-Jun-09 | 18.6 | ND | 1,999 | 5,518 |
| | 4-Mar-09 | 35.5 | ND | 2,074 | 5,418 |

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Sampled | Nitrate as N (mg/l) | TKN (mg/l) | Chloride (mg/l) | TDS (mg/l) |
|---|---|---|---|---|---|
| 70/86/340-01 | 8-Aug-23 | 69 | <5.0 | 2,400 | 7,090 |
| | 5-May-23 | 24 | <5.0 | 1,900 | 6,060 |
| | 8-Feb-23 | 29 | <5.0 | 2,000 | 6,560 |
| | 7-Nov-22 | 27 | <5.0 | 1,800 | 6,570 |
| | 8-Aug-22 | 20 | <5.0 | 1,900 | 6,250 |
| | 5-May-22 | 20 | <5.0 | 1,900 | 6,120 |
| | 14-Feb-22 | 20 | <5.0 | 1,700 | 5,440 |
| | 4-Nov-21 | 20 | <5.0 | 1,500 | 4,260 |
| | 9-Aug-21 | 3.9 | <1.0 | 1,000 | 3,060 |
| | 6-May-21 | 7.9 | <1.0 | 1,300 | 3,550 |
| | 15-Feb-21 | 9.8 | <1.0 | 1,500 | 3,790 |
| | 11-Nov-20 | 12 | <2.0 | 1,700 | 4,320 |
| | 13-Aug-20 | 18 | <1.0 | 1,600 | 4,500 |
| | 18-May-20 | 18 | <2.0 | 1,800 | 4,520 |
| | 7-Feb-20 | 22 | <5.0 | 1,700 | 4,590 |
| | 15-Nov-19 | 22 | <1.0 | 1,500 | 4,660 |
| | 7-Aug-19 | 23 | <5.0 | 1,700 | 4,720 |
| | 16-May-19 | 23 | <5.0 | 1,800 | 4,720 |
| | 25-Feb-19 | 21 | <5.0 | 1,700 | 4,750 |
| | 16-Nov-18 | 23 | <5.0 | 1,700 | 4,560 |
| | 14-Aug-18 | 19 | <2.0 | 1,700 | 4,680 |
| | 21-May-18 | 18 | <2.0 | 1,600 | 4,600 |
| | 12-Feb-18 | 19 | <2.0 | 1,500 | 4,580 |
| | 9-Nov-17 | 19.6 | 0.750 | 1,510 | 4,190 |
| | 11-Aug-17 | 20.6 | 0.868 | 1,790 | 5,170 |
| | 18-May-17 | 20.3 | 0.665 | 1,730 | 5,410 |
| | 16-Feb-17 | 30.1 | <0.0501 | 1,350 | 4,430 |
| | 10-Nov-16 | 22.6 | 1.14 | 817 | 5,080 |
| | 23-Aug-16 | 24.1 | <0.937 | 3,450 | 5,170 |
| | 19-May-16 | 17.3 | 6.92 | 1,630 | 4,680 |
| | 15-Feb-16 | 12.1 | <1.18 | 1,750 | 4,730 |
| | 10-Nov-15 | 16.0 | <1.18 | 1,740 | 4,940 |
| | 20-Aug-15 | 8.66 | 2.80 | 1,790 | 4,860 |
| | 11-May-15 | 8.19 | <1.18 | 1,780 | 4,780 |
| | 9-Feb-15 | 8.79 | <1.80 | 1,620 | 4,840 |
| | 12-Nov-14 | 15.6 | <1.80 | 2,090 | 6,320 |
| | 15-Aug-14 | 15.3 | <1.80 | 1,730 | 5,780 |
| | 11-Nov-13 | 6.65 | 4.90 | 1,760 | 4,780 |
| | 8-Aug-13 | 15.1 | 3.50 | 2,190 | 6,920 |
| | 9-May-13 | 15.1 | <1.66 | 1,930 | 6,650 |
| | 13-Feb-13 | 16.6 | <1.72 | 2,170 | 6,660 |
| | 5-Nov-12 | 12.7 | <1.72 | 2,120 | 4,940 |
| | 6-Aug-12 | 17.1 | <1.72 | 1,870 | 6,400 |
| | 25-Apr-12 | 11.8 | <1.72 | 1,620 | 4,280 |
| | 2-Feb-12 | 20.0 | 8.12 | 1,750 | 5,440 |
| | 7-Nov-11 | 25.5 | 4.76 | 1,970 | 5,920 |
| | 25-Jul-11 | 31.0 | 2.24 | 1,800 | 5,500 |
| | 21-Apr-11 | 35.0 | <2.17 | 1,780 | 5,420 |
| | 27-Jan-11 | 53.5 | <2.17 | 1,370 | 4,420 |
| | 22-Sep-10 | 39.8 | <10.0 | 1,130 | 4,000 |
| | 30-Jun-10 | 52 | <1.0 | 1,300 | 4,090 |
| | 26-Mar-10 | 53 | ND | 1,200 | 3,616 |
| | 15-Dec-09 | 64 | ND | 1,080 | 3,408 |
| | 2-Sep-09 | 50 | ND | 1,100 | 3,610 |
| | 4-Jun-09 | 28 | ND | 1,410 | 4,340 |
| | 4-Mar-09 | 39.3 | ND | 1,150 | 3,820 |

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Sampled | Nitrate as N (mg/l) | TKN (mg/l) | Chloride (mg/l) | TDS (mg/l) |
|---|---|---|---|---|---|
| 86/340-01 | 8-Aug-23 | 2.5 | <1.0 | 260 | 2,280 |
| | 5-May-23 | 2.9 | <1.0 | 270 | 2,220 |
| | 8-Feb-23 | 3.2 | <1.0 | 260 | 2,210 |
| | 7-Nov-22 | 2.9 | <1.0 | 230 | 2,190 |
| | 8-Aug-22 | 3.4 | <1.0 | 240 | 2,190 |
| | 5-May-22 | 3.1 | <1.0 | 220 | 2,150 |
| | 14-Feb-22 | 3.2 | <1.0 | 230 | 2,170 |
| | 4-Nov-21 | 3.1 | <1.0 | 260 | 2,190 |
| | 9-Aug-21 | 2.8 | <1.0 | 240 | 2,190 |
| | 6-May-21 | 3.2 | <1.0 | 230 | 1,890 |
| | 15-Feb-21 | 2.9 | <5.0 | 240 | 2,120 |
| | 11-Nov-20 | 3.4 | <1.0 | 200 | 2,080 |
| | 13-Aug-20 | 3.6 | <2.0 | 220 | 2,030 |
| | 18-May-20 | 5.1 | <1.0 | 250 | 2,010 |
| | 7-Feb-20 | 4.7 | <1.0 | 230 | 1,990 |
| | 15-Nov-19 | 5.0 | <1.0 | 210 | 2,010 |
| | 7-Aug-19 | 5.9 | <1.0 | 240 | 1,940 |
| | 16-May-19 | 7.5 | <1.0 | 260 | 1,930 |
| | 25-Feb-19 | 7.0 | <1.0 | 250 | 1,910 |
| | 16-Nov-18 | 7.0 | <1.0 | 240 | 1,900 |
| | 14-Aug-18 | 7.4 | <1.0 | 230 | 1,890 |
| | 21-May-18 | 8.3 | <1.0 | 240 | 1,890 |
| | 12-Feb-18 | 9.6 | <1.0 | 300 | 1,920 |
| | 9-Nov-17 | 10.5 | <0.0500 | 293 | 1,670 |
| | 11-Aug-17 | 11.9 | <0.0500 | 338 | 2,030 |
| | 18-May-17 | 13.4 | <0.0501 | 445 | 2,410 |
| | 16-Feb-17 | 13.1 | <0.0501 | 387 | 2,240 |
| | 10-Nov-16 | 11.6 | <0.937 | 384 | 2,200 |
| | 23-Aug-16 | 12.1 | <0.937 | 408 | 2,210 |
| | 19-May-16 | 11.2 | <2.24 | 421 | 2,220 |
| | 15-Feb-16 | 12.9 | <1.18 | 422 | 2,300 |
| | 10-Nov-15 | 11.7 | 2.24 | 421 | 2,260 |
| | 20-Aug-15 | 11.7 | <1.18 | 416 | 2,150 |
| | 11-May-15 | 12.4 | <1.18 | 450 | 2,240 |
| | 9-Feb-15 | 10.8 | <1.80 | 410 | 2,120 |
| | 11-Nov-14 | 11.3 | <1.80 | 398 | 2,180 |
| | 15-Aug-14 | 11.6 | <1.80 | 400 | 2,300 |
| | 14-May-14 | 15.4 | <1.80 | 500 | 2,380 |
| | 18-Feb-14 | 12.4 | <1.66 | 460 | 2,370 |
| | 11-Nov-13 | 12.2 | 7.00 | 641 | 2,940 |
| | 8-Aug-13 | 12.1 | 2.10 | 720 | 3,230 |
| | 9-May-13 | 12.3 | <1.66 | 603 | 3,020 |
| | 13-Feb-13 | 12.2 | <1.72 | 571 | 2,780 |
| | 5-Nov-12 | 12.1 | <1.72 | 638 | 2,860 |
| | 6-Aug-12 | 11.6 | <1.72 | 708 | 3,410 |
| | 25-Apr-12 | 12.1 | <1.72 | 641 | 2,480 |
| | 2-Feb-12 | 12.3 | <2.17 | 655 | 2,960 |
| | 7-Nov-11 | 11.6 | 3.08 | 593 | 2,910 |
| | 25-Jul-11 | 10.2 | <2.17 | 582 | 2,500 |
| | 21-Apr-11 | 10.4 | <2.17 | 512 | 2,660 |
| | 27-Jan-11 | 7.99 | <2.17 | 419 | 2,040 |
| | 22-Sep-10 | 11.8 | <10.0 | 331 | 2,060 |
| | 30-Jun-10 | 13 | <1.0 | 410 | 2,190 |
| | 26-Mar-10 | 9.2 | 0.7 | 690 | 2,656 |
| | 29-Jan-10 | 8.6 | ND | 530 | 2,258 |
| | 2-Sep-09 | 8.8 | ND | 510 | 2,232 |
| | 4-Jun-09 | 5.2 | 1.12 | 640 | 2,582 |
| | 4-Mar-09 | 11.9 | ND | 675 | 2,674 |

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Sampled | Nitrate as N (mg/l) | TKN (mg/l) | Chloride (mg/l) | TDS (mg/l) |
|---|---|---|---|---|---|
| **Organ Dairy (Formerly known as Del Norte Dairy and Daybreak Dairy)** | | | | | |
| 126-04 | 27-Aug-23 | Not Sampled - insufficient water to sample | | | |
| | 24-May-23 | | | | |
| | 11-Jan-23 | | | | |
| | 8-Nov-22 | | | | |
| | 17-Aug-22 | | | | |
| | 5-May-22 | 25 | <5.0 | 750 | 3,130 |
| | 24-Feb-22 | 23 | <5.0 | 770 | 3,110 |
| | 9-Nov-21 | 25 | <5.0 | 810 | 1,530 |
| | 11-Aug-21 | 28 | <5.0 | 800 | 2,930 |
| | 4-May-21 | 26 | <5.0 | 790 | 3,170 |
| | 9-Feb-21 | 27 | <5.0 | 760 | 3,200 |
| | 10-Nov-20 | 28 | <5.0 | 780 | 3,120 |
| | 12-Aug-20 | 29 | <5.0 | 790 | 2,980 |
| | 13-May-20 | 25 | <5.0 | 680 | 2,620 |
| | 10-Feb-20 | 25 | <5.0 | 680 | 2,580 |
| | 12-Nov-19 | 26 | <5.0 | 670 | 2,600 |
| | 5-Aug-19 | 23 | <5.0 | 620 | 2,420 |
| | 14-May-19 | 22 | <5.0 | 630 | 2,400 |
| | 22-Feb-19 | 24 | <5.0 | 650 | 2,370 |
| | 14-Nov-18 | 23 | <5.0 | 610 | 2,530 |
| | 15-Aug-18 | 19 | <2.0 | 580 | 2,400 |
| | 18-May-18 | 21 | <5.0 | 570 | 2,360 |
| | 9-Feb-18 | 22 | <2.0 | 620 | 2,530 |
| | 8-Nov-17 | 22.1 | <0.0500 | 661 | 2,510 |
| | 10-Aug-17 | 19.4 | 0.871 | 614 | 2,550 |
| | 17-May-17 | 19.7 | 0.356 | 606 | 2,600 |
| | 17-Feb-17 | 20.7 | <0.0501 | 639 | 2,680 |
| | 9-Nov-16 | 18.5 | <0.937 | 621 | 2,580 |
| | 17-Aug-16 | 16.1 | 1.12 | 516 | 2,560 |
| | 18-May-16 | 16.7 | <2.24 | 580 | 2,460 |
| | 15-Feb-16 | 20.2 | 4.48 | 623 | 2,510 |
| | 9-Nov-15 | 19.2 | <1.18 | 612 | 2,460 |
| | 17-Aug-15 | 18.4 | <1.18 | 573 | 2,490 |
| | 13-May-15 | 17.9 | 4.20 | 575 | 2,560 |
| | 11-Feb-15 | 17.1 | <1.80 | 572 | 2,450 |
| | 12-Nov-14 | 16.4 | 7.70 | 556 | 2,400 |
| | 18-Aug-14 | 15.1 | <1.80 | 536 | 2,590 |
| | 15-May-14 | 17.4 | 16.1 | 514 | 2,200 |
| | 20-Feb-14 | 17.1 | <1.66 | 564 | 2,410 |
| | 13-Nov-13 | 16.7 | 9.10 | 567 | 2,240 |
| | 12-Aug-13 | 15.3 | 18.2 | 511 | 2,170 |
| | 10-May-13 | 15.1 | <1.66 | 499 | 2,310 |
| | 12-Feb-13 | 18.5 | <1.72 | 614 | 2,640 |
| | 7-Nov-12 | 16.0 | 3.50 | 572 | 2,500 |
| | 7-Aug-12 | 15.9 | 2.10 | 568 | 2,370 |
| | 30-Apr-12 | 15.7 | <1.72 | 539 | 2,310 |
| | 26-Jan-12 | 17.4 | <2.17 | 560 | 1,700 |
| | 7-Nov-11 | 18.2 | 3.92 | 581 | 2,470 |
| | 3-Aug-11 | 18.2 | 6.44 | 559 | 2,460 |
| | 22-Apr-11 | 18.0 | 5.74 | 594 | 2,500 |
| | 26-Jan-11 | 11.1 | <2.17 | 570 | 2,380 |
| | 21-Sep-10 | 20.5 | <10.0 | 542 | 2,460 |
| | 30-Jun-10 | 21 | <5.0 | 490 | 2,160 |
| | 25-Mar-10 | 14.9 | 0.56 | 530 | 1,964 |
| | 15-Dec-09 | 11.5 | ND | 550 | 1,974 |
| | 2-Sep-09 | 9 | ND | 530 | 2,028 |
| | 4-Jun-09 | 5.81 | ND | 550 | 2,084 |
| | 5-Mar-09 | 14.1 | ND | 525 | 2,122 |

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Sampled | Nitrate as N (mg/l) | TKN (mg/l) | Chloride (mg/l) | TDS (mg/l) |
|---|---|---|---|---|---|
| 126-05 | 27-Aug-23 | Not Sampled - insufficient water to sample | | | |
| | 24-May-23 | | | | |
| | 11-Jan-23 | | | | |
| | 8-Nov-22 | | | | |
| | 17-Aug-22 | | | | |
| | 5-May-22 | 9.0 | 1.3 | 660 | 3,220 |
| | 24-Feb-22 | 10 | <2.0 | 710 | 3,270 |
| | 9-Nov-21 | 11 | <2.0 | 750 | 3,380 |
| | 11-Aug-21 | 11 | <2.0 | 790 | 3,480 |
| | 4-May-21 | 11 | <2.0 | 730 | 3,380 |
| | 9-Feb-21 | 13 | <2.0 | 780 | 3,710 |
| | 10-Nov-20 | 14 | <2.0 | 1,000 | 3,670 |
| | 12-Aug-20 | 15 | <2.0 | 740 | 3,220 |
| | 13-May-20 | 10 | 2.20 | 820 | 3,590 |
| | 10-Feb-20 | 13 | <2.0 | 900 | 3,800 |
| | 12-Nov-19 | 15 | <2.0 | 930 | 3,860 |
| | 5-Aug-19 | 16 | <2.0 | 750 | 3,490 |
| | 14-May-19 | 17 | <2.0 | 800 | 3,520 |
| | 22-Feb-19 | 18 | <2.0 | 950 | 3,810 |
| | 14-Nov-18 | 20 | <5.0 | 890 | 3,840 |
| | 15-Aug-18 | 23 | <5.0 | 860 | 3,590 |
| | 18-May-18 | 23 | <5.0 | 840 | 3,790 |
| | 9-Feb-18 | 26 | <2.0 | 960 | 3,800 |
| | 8-Nov-17 | 26.6 | 0.196 | 860 | 3,510 |
| | 10-Aug-17 | 25.4 | 2.17 | 814 | 3,460 |
| | 17-May-17 | 28.1 | 1.20 | 856 | 3,600 |
| | 17-Feb-17 | 28.5 | 4.95 | 852 | 3,580 |
| | 9-Nov-16 | 41.9 | <0.937 | 769 | 3,510 |
| | 18-Aug-16 | 20.5 | <0.937 | 572 | 3,120 |
| | 18-May-16 | 24.2 | <2.24 | 728 | 3,130 |
| | 15-Feb-16 | 27.7 | 1.68 | 792 | 3,190 |
| | 9-Nov-15 | 20.2 | <1.18 | 643 | 2,980 |
| | 17-Aug-15 | 18.8 | <1.18 | 627 | 2,860 |
| | 12-May-15 | 17.6 | 2.10 | 670 | 3,000 |
| | 11-Feb-15 | 28.8 | <1.80 | 713 | 3,470 |
| | 12-Nov-14 | 19.2 | 5.60 | 746 | 3,500 |
| | 18-Aug-14 | 16.4 | <1.80 | 575 | 3,080 |
| | 15-May-14 | 23.0 | 4.90 | 637 | 2,960 |
| | 20-Feb-14 | 27.1 | <1.66 | 643 | 3,140 |
| | 13-Nov-13 | 30.3 | 4.20 | 648 | 3,100 |
| | 12-Aug-13 | 33.9 | 4.20 | 594 | 2,920 |
| | 10-May-13 | 39.0 | <1.66 | 635 | 3,060 |
| | 12-Feb-13 | 34.2 | <1.72 | 618 | 3,180 |
| | 7-Nov-12 | 29.2 | <1.72 | 548 | 2,890 |
| | 7-Aug-12 | 30.8 | 2.10 | 548 | 2,860 |
| | 30-Apr-12 | 28.6 | 2.38 | 530 | 2,840 |
| | 26-Jan-12 | 30.1 | <2.17 | 546 | 2,520 |
| | 4-Nov-11 | 31.2 | <2.17 | 543 | 3,510 |
| | 4-Aug-11 | 29.5 | 4.20 | 525 | 2,540 |
| | 22-Apr-11 | 28.0 | 2.80 | 615 | 2,800 |
| | 26-Jan-11 | 25.2 | 3.64 | 553 | 2,870 |
| | 21-Sep-10 | 22.3 | <10.0 | 504 | 2,240 |
| | 30-Jun-10 | 24 | <5.0 | 540 | 2,750 |
| | 25-Mar-10 | 13.5 | ND | 640 | 2,736 |
| | 15-Dec-09 | 16.6 | ND | 630 | 2,554 |
| | 2-Sep-09 | 12.8 | 1.4 | 580 | 2,566 |
| | 4-Jun-09 | 10.1 | ND | 600 | 2,640 |
| | 5-Mar-09 | 19.9 | 1.03 | 610 | 2,828 |

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Sampled | Nitrate as N (mg/l) | TKN (mg/l) | Chloride (mg/l) | TDS (mg/l) |
|---|---|---|---|---|---|
| 126-07 | 27-Aug-23 | Not Sampled - insufficient water to sample | | | |
| | 24-May-23 | | | | |
| | 11-Jan-23 | | | | |
| | 8-Nov-22 | | | | |
| | 17-Aug-22 | | | | |
| | 5-May-22 | 21 | <5.0 | 790 | 3,470 |
| | 24-Feb-22 | 22 | <5.0 | 870 | 3,550 |
| | 9-Nov-21 | 22 | <5.0 | 910 | 3,480 |
| | 11-Aug-21 | 23 | <5.0 | 890 | 3,430 |
| | 4-May-21 | 22 | <5.0 | 790 | 3,390 |
| | 9-Feb-21 | 25 | <5.0 | 770 | 3,400 |
| | 10-Nov-20 | 26 | <5.0 | 860 | 3,340 |
| | 12-Aug-20 | 28 | <5.0 | 830 | 3,310 |
| | 13-May-20 | 25 | <5.0 | 780 | 3,290 |
| | 7-Feb-20 | 28 | <5.0 | 780 | 3,230 |
| | 12-Nov-19 | 28 | <5.0 | 770 | 3,150 |
| | 5-Aug-19 | 29 | <5.0 | 800 | 3,150 |
| | 14-May-19 | 28 | <5.0 | 790 | 3,110 |
| | 22-Feb-19 | 30 | <5.0 | 790 | 3,030 |
| | 14-Nov-18 | 27 | <5.0 | 790 | 2,990 |
| | 15-Aug-18 | 22 | <1.0 | 720 | 2,900 |
| | 18-May-18 | 22 | <5.0 | 660 | 2,740 |
| | 9-Feb-18 | 21 | <2.0 | 690 | 2,760 |
| | 8-Nov-17 | 22.4 | <0.0500 | 701 | 2,630 |
| | 10-Aug-17 | 21.6 | <0.0500 | 723 | 2,540 |
| | 17-May-17 | 22.3 | <0.0501 | 702 | 2,510 |
| | 17-Feb-17 | 23.9 | <0.0501 | 663 | 2,590 |
| | 9-Nov-16 | 27.2 | <0.937 | 526 | 2,540 |
| | 18-Aug-16 | 28.2 | <0.937 | 523 | 2,510 |
| | 18-May-16 | 28.5 | <2.24 | 607 | 2,380 |
| | 15-Feb-16 | 27.0 | <1.18 | 579 | 2,460 |
| | 9-Nov-15 | 26.5 | 6.16 | 571 | 2,380 |
| | 17-Aug-15 | 23.0 | <1.18 | 559 | 2,610 |
| | 13-May-15 | 17.9 | 4.20 | 575 | 2,560 |
| | 11-Feb-15 | 24.0 | <1.80 | 546 | 2,590 |
| | 12-Nov-14 | 23.4 | <1.80 | 586 | 2,710 |
| | 18-Aug-14 | 21.8 | <1.80 | 565 | 2,510 |
| | 16-May-14 | 24.8 | 4.90 | 583 | 2,170 |
| | 20-Feb-14 | 25.6 | <1.66 | 615 | 2,490 |
| | 13-Nov-13 | 24.1 | 4.20 | 615 | 2,330 |
| | 12-Aug-13 | 23.5 | 5.60 | 586 | 2,410 |
| | 10-May-13 | 20.2 | <1.66 | 573 | 2,620 |
| | 12-Feb-13 | 21.2 | <1.72 | 648 | 2,740 |
| | 7-Nov-12 | 19.8 | <1.72 | 629 | 2,870 |
| | 7-Aug-12 | 19.5 | 2.10 | 650 | 2,610 |
| | 30-Apr-12 | 18.8 | <1.72 | 605 | 2,710 |
| | 26-Jan-12 | 18.8 | 2.24 | 666 | 2,790 |
| | 4-Nov-11 | 19.8 | <2.17 | 668 | 2,270 |
| | 4-Aug-11 | 19.1 | 2.24 | 666 | 1,410 |
| | 22-Apr-11 | 21.2 | <2.17 | 704 | 3,110 |
| | 27-Jan-11 | 22.4 | <2.17 | 662 | 2,670 |
| | 21-Sep-10 | 24.9 | <10.0 | 700 | 2,800 |
| | 30-Jun-10 | 26 | <5.0 | 760 | 2,780 |
| | 25-Mar-10 | 12.1 | ND | 610 | 2,238 |
| | 15-Dec-09 | 13.8 | ND | 720 | 2,412 |
| | 2-Sep-09 | 10.9 | ND | 820 | 2,716 |
| | 4-Jun-09 | 19.0 | ND | 810 | 2,468 |
| | 5-Mar-09 | 16.8 | ND | 605 | 2,230 |

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Sampled | Nitrate as N (mg/l) | TKN (mg/l) | Chloride (mg/l) | TDS (mg/l) |
|---|---|---|---|---|---|
| 126-09 | 27-Aug-23 | Not Sampled - insufficient water to sample | | | |
| | 24-May-23 | | | | |
| | 11-Jan-23 | | | | |
| | 8-Nov-22 | | | | |
| | 17-Aug-22 | | | | |
| | 5-May-22 | 1.4 | <1.0 | 190 | 924 |
| | 24-Feb-22 | 1.0 | <1.0 | 150 | 856 |
| | 9-Nov-21 | Not Sampled - insufficient water to sample | | | |
| | 11-Aug-21 | | | | |
| | 4-May-21 | | | | |
| | 9-Feb-21 | | | | |
| | 10-Nov-20 | 1.2 | <1.0 | 200 | 865 |
| | 12-Aug-20 | Not Sampled - insufficient water to sample | | | |
| | 14-May-20 | | | | |
| | 7-Feb-20 | | | | |
| | 12-Nov-19 | <1.0 | <1.0 | 150 | 824 |
| | 5-Aug-19 | 1.1 | <2.0 | 200 | 898 |
| | 14-May-19 | <1.0 | <2.0 | 160 | 815 |
| | 22-Feb-19 | <1.0 | <1.0 | 200 | 888 |
| | 14-Nov-18 | <1.0 | <1.0 | 140 | 764 |
| | 15-Aug-18 | <1.0 | <1.0 | 110 | 722 |
| | 18-May-18 | <1.0 | <1.0 | 150 | 742 |
| | 9-Feb-18 | <1.0 | <1.0 | 120 | 732 |
| | 8-Nov-17 | 1.65 | 0.538 | 66.7 | 555 |
| | 10-Aug-17 | 0.218 | 0.452 | 70.0 | 740 |
| | 17-May-17 | 0.230 | <0.0501 | 67.1 | 640 |
| | 20-Feb-17 | 0.269 | 1.80 | 89.5 | 775 |
| | 9-Nov-16 | 2.39 | <0.937 | 824 | 2,440 |
| | 18-Aug-16 | 1.41 | 2.25 | 714 | 2,500 |
| | 18-May-16 | 6.35 | <2.24 | 794 | 2,440 |
| | 15-Feb-16 | 1.73 | <1.18 | 879 | 2,660 |
| | 9-Nov-15 | 1.47 | 6.16 | 879 | 2,860 |
| | 17-Aug-15 | 1.40 | <1.18 | 880 | 2,850 |
| | 13-May-15 | 2.34 | <1.18 | 873 | 2,500 |
| | 11-Feb-15 | 2.18 | <1.80 | 798 | 2,740 |
| | 13-Nov-14 | 2.42 | <1.80 | 842 | 2,500 |
| | 18-Aug-14 | 2.25 | <1.80 | 832 | 2,840 |
| | 15-May-14 | 2.52 | <1.80 | 893 | 2,690 |
| | 20-Feb-14 | 2.12 | <1.66 | 911 | 2,720 |
| | 13-Nov-13 | 2.25 | 4.20 | 919 | 2,710 |
| | 12-Aug-13 | 2.13 | 5.60 | 937 | 2,710 |
| | 10-May-13 | 2.25 | <1.66 | 898 | 3,300 |
| | 12-Feb-13 | 2.50 | <1.72 | 991 | 3,090 |
| | 7-Nov-12 | 2.53 | <1.72 | 984 | 2,980 |
| | 7-Aug-12 | 2.69 | 2.10 | 962 | 3,050 |
| | 30-Apr-12 | 2.28 | 5.04 | 978 | 2,900 |
| | 26-Jan-12 | 3.93 | 7.00 | 1,100 | 3,180 |
| | 7-Nov-11 | 3.30 | 5.6 | 1,130 | 3,470 |
| | 4-Aug-11 | 3.19 | <2.17 | 1,100 | 3,180 |
| | 22-Apr-11 | 3.31 | <2.17 | 1,120 | 2,730 |
| | 22-Sep-10 | 2.50 | <10.0 | 1,110 | 3,320 |
| | 30-Jun-10 | Not Sampled | | | |
| | 25-Mar-10 | | | | |
| | 15-Dec-09 | | | | |
| | 2-Sep-09 | | | | |
| | 4-Jun-09 | | | | |
| | 5-Mar-09 | | | | |

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Sampled | Nitrate as N (mg/l) | TKN (mg/l) | Chloride (mg/l) | TDS (mg/l) |
|---|---|---|---|---|---|
| 126-12 | 27-Aug-23 | 4.3 | <1.0 | 450 | 1,120 |
| | 24-May-23 | 3.2 | 1.4 | 400 | 2,110 |
| | 11-Jan-23 | 4.3 | <1.0 | 420 | 2,210 |
| | 8-Nov-22 | 3.4 | <1.0 | 430 | 2,160 |
| | 17-Aug-22 | 3.8 | <1.0 | 410 | 2,200 |
| | 5-May-22 | 3.8 | <1.0 | 360 | 2,120 |
| | 24-Feb-22 | 4.6 | <1.0 | 420 | 2,180 |
| | 9-Nov-21 | 4.6 | <1.0 | 390 | 2,120 |
| | 11-Aug-21 | 6.7 | <1.0 | 430 | 2,170 |
| | 4-May-21 | 6.9 | <1.0 | 370 | 2,220 |
| | 9-Feb-21 | 6.0 | <1.0 | 350 | 2,220 |
| | 10-Nov-20 | 8.9 | <1.0 | 400 | 2,240 |
| | 12-Aug-20 | 11 | <2.0 | 420 | 2,350 |
| | 12-Aug-20 | 11 | <2.0 | 420 | 2,260 |
| | 14-May-20 | 6.4 | <1.0 | 350 | 2,190 |
| | 10-Feb-20 | 2.8 | <1.0 | 310 | 2,100 |
| | 12-Nov-19 | 8.3 | <1.0 | 350 | 2,200 |
| | 5-Aug-19 | 13 | <2.0 | 370 | 2,270 |
| | 14-May-19 | 8.1 | <2.0 | 350 | 2,180 |
| | 22-Feb-19 | 8.2 | 1.3 | 370 | 2,270 |
| | 14-Nov-18 | 13 | <2.0 | 390 | 2,300 |
| | 15-Aug-18 | 17 | 2.5 | 430 | 2,500 |
| | 7-Jun-18 | 11 | 2.2 | 420 | 2,550 |
| | 9-Feb-18 | 3.9 | 4.5 | 420 | 2,430 |
| | 8-Nov-17 | 3.26 | 16.6 | 24.5 | 2,440 |
| | 10-Aug-17 | 7.40 | 4.90 | 520 | 2,780 |
| | 17-May-17 | 17.6 | 0.476 | 455 | 2,480 |
| | 20-Feb-17 | 13.0 | 1.09 | 420 | 2,430 |
| | 9-Nov-16 | 17.1 | <0.937 | 430 | 2,520 |
| | 18-Aug-16 | 19.4 | <0.937 | 363 | 2,580 |
| | 18-May-16 | 17.6 | <2.24 | 391 | 2,310 |
| | 15-Feb-16 | 13.9 | <1.18 | 416 | 2,450 |
| | 9-Nov-15 | 10.8 | 8.96 | 428 | 2,460 |
| | 17-Aug-15 | 3.49 | 10.5 | 407 | 2,240 |
| | 12-May-15 | 2.43 | 11.2 | 393 | 2,120 |
| | 10-Feb-15 | <0.0137 | 29.4 | 632 | 2,190 |
| | 13-Nov-14 | 2.57 | 2.80 | 409 | 2,160 |
| | 18-Aug-14 | 16.5 | <1.80 | 384 | 2,220 |
| | 15-May-14 | 15.4 | 2.10 | 404 | 2,250 |
| | 20-Feb-14 | 13.6 | 2.10 | 404 | 2,370 |
| | 13-Nov-13 | 15.7 | 3.50 | 401 | 2,360 |
| | 12-Aug-13 | 17.0 | 4.20 | 434 | 2,400 |
| | 10-May-13 | 16.2 | 2.10 | 398 | 2,380 |
| | 12-Feb-13 | 18.8 | <1.72 | 421 | 2,480 |
| | 7-Nov-12 | 19.2 | <1.72 | 407 | 2,490 |
| | 7-Aug-12 | 17.5 | <1.72 | 410 | 2,460 |
| | 30-Apr-12 | 12.9 | 1.96 | 401 | 2,270 |
| | 14-Feb-12 | 12.5 | 4.20 | 418 | 2,340 |
| | 4-Nov-11 | 13.3 | <2.17 | 430 | 2,600 |
| | 4-Aug-11 | 13.6 | <2.17 | 449 | 2,580 |
| | 22-Apr-11 | 13.2 | <2.17 | 461 | 2,530 |
| | 27-Jan-11 | 12.2 | <2.17 | 453 | 2,280 |
| | 22-Sep-10 | 12.6 | <10.0 | 446 | 2,430 |
| | 30-Jun-10 | 15 | <2.0 | 500 | 2,610 |
| | 25-Mar-10 | 8.9 | ND | 550 | 2,260 |
| | 15-Dec-09 | 8.7 | ND | 540 | 2,296 |
| | 2-Sep-09 | 12.8 | 0.56 | 530 | 2,336 |
| | 4-Jun-09 | 4.08 | 0.84 | 530 | 2,322 |
| | 5-Mar-09 | 11 | ND | 475 | 2,320 |

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Sampled | Nitrate as N (mg/l) | TKN (mg/l) | Chloride (mg/l) | TDS (mg/l) |
|---|---|---|---|---|---|
| 126-13 | 27-Aug-23 | 14 | <2.0 | 710 | 645 |
| | 24-May-23 | 14 | <2.0 | 710 | 3,160 |
| | 11-Jan-23 | 14 | <2.0 | 700 | 1,600 |
| | 8-Nov-22 | 14 | <2.0 | 720 | 3,210 |
| | 17-Aug-22 | 14 | <2.0 | 690 | 3,210 |
| | 5-May-22 | 14 | <2.0 | 700 | 3,330 |
| | 24-Feb-22 | 15 | <2.0 | 760 | 3,380 |
| | 9-Nov-21 | 16 | <2.0 | 780 | 3,320 |
| | 11-Aug-21 | 18 | <2.0 | 830 | 3,360 |
| | 4-May-21 | 17 | <2.0 | 780 | 3,420 |
| | 9-Feb-21 | 19 | <2.0 | 740 | 3,440 |
| | 10-Nov-20 | 20 | <2.0 | 780 | 3,390 |
| | 12-Aug-20 | 23 | <5.0 | 860 | 3,520 |
| | 13-May-20 | 26 | <5.0 | 860 | 3,860 |
| | 7-Feb-20 | 34 | <5.0 | 880 | 3,640 |
| | 12-Nov-19 | 32 | <5.0 | 830 | 3,730 |
| | 5-Aug-19 | 32 | <5.0 | 900 | 3,790 |
| | 14-May-19 | 36 | <5.0 | 970 | 3,570 |
| | 22-Feb-19 | 39 | <5.0 | 990 | 3,620 |
| | 14-Nov-18 | 42 | <5.0 | 950 | 3,420 |
| | 15-Aug-18 | 40 | <5.0 | 890 | 3,670 |
| | 18-May-18 | 37 | <5.0 | 890 | 3,250 |
| | 9-Feb-18 | 31 | <2.0 | 820 | 3,330 |
| | 8-Nov-17 | 28.6 | 0.580 | 771 | 2,810 |
| | 10-Aug-17 | 24.4 | 0.153 | 784 | 3,080 |
| | 17-May-17 | 23.2 | <0.0501 | 796 | 3,180 |
| | 17-Feb-17 | 23.8 | <0.0501 | 869 | 3,920 |
| | 9-Nov-16 | 23.2 | <0.937 | 594 | 3,090 |
| | 18-Aug-16 | 23.4 | <0.937 | 703 | 3,090 |
| | 18-May-16 | 26.1 | <2.24 | 799 | 3,000 |
| | 15-Feb-16 | 36.9 | <1.18 | 891 | 2,960 |
| | 9-Nov-15 | 29.6 | <1.18 | 760 | 2,850 |
| | 17-Aug-15 | 33.3 | <1.18 | 876 | 3,100 |
| | 12-May-15 | 40.8 | 1.40 | 877 | 3,210 |
| | 10-Feb-15 | 34.7 | 2.80 | 776 | 2,770 |
| | 12-Nov-14 | 33.9 | <1.80 | 801 | 2,940 |
| | 18-Aug-14 | 38.2 | <1.80 | 809 | 3,160 |
| | 15-May-14 | 49.5 | <1.80 | 841 | 3,010 |
| | 20-Feb-14 | 29.9 | <1.66 | 769 | 2,780 |
| | 13-Nov-13 | 28.0 | 2.80 | 655 | 2,980 |
| | 12-Aug-13 | 26.8 | 3.50 | 780 | 2,800 |
| | 10-May-13 | 34.1 | <1.66 | 385 | 3,160 |
| | 12-Feb-13 | 33.7 | <1.72 | 735 | 2,840 |
| | 7-Nov-12 | 23.8 | 2.10 | 751 | 3,090 |
| | 7-Aug-12 | 26.1 | 2.10 | 779 | 2,860 |
| | 30-Apr-12 | 43.8 | <1.72 | 784 | 3,120 |
| | 26-Jan-12 | 27.5 | <2.17 | 735 | 2,800 |
| | 7-Nov-11 | 21.9 | <2.17 | 735 | 3,060 |
| | 4-Aug-11 | 21.4 | <2.17 | 735 | 2,840 |
| | 22-Apr-11 | 21.7 | <2.17 | 754 | 2,640 |
| | 26-Jan-11 | 22.8 | <2.17 | 768 | 3,130 |
| | 22-Sep-10 | 23.1 | <10.0 | 750 | 2,850 |
| | 30-Jun-10 | 26 | <5.0 | 810 | 3,000 |
| | 25-Mar-10 | 10.3 | ND | 940 | 2,740 |
| | 15-Dec-09 | 14.3 | ND | 910 | 2,832 |
| | 2-Sep-09 | 12.8 | ND | 840 | 2,746 |
| | 4-Jun-09 | 16.3 | ND | 970 | 2,768 |
| | 5-Mar-09 | 19.4 | ND | 845 | 2,800 |

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Sampled | Nitrate as N (mg/l) | TKN (mg/l) | Chloride (mg/l) | TDS (mg/l) |
|---|---|---|---|---|---|
| **Mountain View Dairy** | | | | | |
| 70-01 | 9-Aug-23 | 13 | <2.0 | 640 | 3,180 |
| | 8-May-23 | 13 | <2.0 | 770 | 3,100 |
| | 9-Feb-23 | 17 | <2.0 | 720 | 3,160 |
| | 8-Nov-22 | 17 | 2.2 | 700 | 3,180 |
| | 9-Aug-22 | 16 | <2.0 | 690 | 3,350 |
| | 9-May-22 | 15 | <2.0 | 700 | 3,330 |
| | 15-Feb-22 | 20 | <5.0 | 690 | 3,170 |
| | 5-Nov-21 | 20 | <5.0 | 850 | 3,320 |
| | 10-Aug-21 | 23 | <5.0 | 750 | 3,130 |
| | 10-May-21 | 22 | <5.0 | 750 | 3,180 |
| | 16-Feb-21 | 23 | <5.0 | 800 | 3,140 |
| | 12-Nov-20 | 26 | <5.0 | 720 | 3,030 |
| | 14-Aug-20 | 27 | <5.0 | 770 | 3,150 |
| | 13-May-20 | 27 | <5.0 | 710 | 3,000 |
| | 10-Feb-20 | 28 | <5.0 | 770 | 3,210 |
| | 15-Nov-19 | 29 | <5.0 | 770 | 3,460 |
| | 7-Aug-19 | 31 | <5.0 | 850 | 3,450 |
| | 16-May-19 | 34 | <5.0 | 850 | 3,370 |
| | 26-Feb-19 | 33 | <5.0 | 840 | 3,390 |
| | 15-Nov-18 | 32 | <5.0 | 770 | 3,080 |
| | 15-Aug-18 | 37 | <5.0 | 900 | 3,530 |
| | 21-May-18 | 39 | <5.0 | 860 | 3,410 |
| | 13-Feb-18 | 30 | <5.0 | 810 | 3,010 |
| | 9-Nov-17 | 25.6 | 0.113 | 687 | 2,620 |
| | 14-Aug-17 | 24.3 | 0.290 | 723 | 2,740 |
| | 19-May-17 | 22.4 | <0.0501 | 660 | 2,540 |
| | 20-Feb-17 | 21.8 | <0.0501 | 643 | 2,530 |
| | 22-Nov-16 | 20.8 | <0.300 | 696 | 2,790 |
| | 19-Aug-16 | 23.5 | <0.937 | 532 | 2,740 |
| | 24-May-16 | 22.8 | <2.24 | 629 | 2,720 |
| | 16-Feb-16 | 25.6 | 1.68 | 673 | 2,650 |
| | 12-Nov-15 | 26.0 | 5.04 | 630 | 2,560 |
| | 19-Aug-15 | 34.5 | 5.60 | 812 | 2,660 |
| | 12-May-15 | 23.2 | 9.10 | 597 | 2,520 |
| | 10-Feb-15 | 22.5 | 10.5 | 594 | 2,560 |
| | 17-Nov-14 | 22.0 | <1.80 | 621 | 2,620 |
| | 20-Aug-14 | 22.5 | <1.80 | 596 | 2,610 |
| | 15-May-14 | 23.3 | 2.10 | 632 | 2,540 |
| | 19-Feb-14 | 22.6 | <1.66 | 616 | 2,620 |
| | 14-Nov-13 | 22.3 | 3.50 | 510 | 2,620 |
| | 8-Aug-13 | 22.8 | 2.80 | 638 | 2,670 |
| | 9-May-13 | 22.4 | <1.66 | 616 | 2,740 |
| | 13-Feb-13 | 24.7 | <1.72 | 655 | 2,680 |
| | 7-Nov-12 | 21.2 | <1.72 | 636 | 2,700 |
| | 7-Aug-12 | 21.4 | 2.10 | 637 | 2,700 |
| | 25-Apr-12 | 21.7 | <1.72 | 659 | 2,490 |
| | 2-Feb-12 | 21.5 | 2.94 | 633 | 2,530 |
| | 7-Nov-11 | 21.1 | 5.18 | 622 | 1,860 |
| | 3-Aug-11 | 20.7 | 2.8 | 641 | 2,630 |
| | 22-Apr-11 | 22.7 | 22.4 | 646 | 2,760 |
| | 27-Jan-11 | 22.5 | 2.94 | 650 | 2,500 |
| | 22-Sep-10 | 19.3 | 12.3 | 617 | 2,610 |
| | 30-Jun-10 | 27 | <1.0 | 600 | 2,400 |
| | 25-Mar-10 | 14.5 | ND | 670 | 2,096 |
| | 15-Dec-09 | 17.1 | ND | 640 | 2,218 |
| | 1-Sep-09 | 8.4 | ND | 630 | 2,244 |
| | 2-Jun-09 | 9.35 | ND | 640 | 2,112 |
| | 4-Mar-09 | 20.8 | ND | 610 | 2,254 |

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Sampled | Nitrate as N (mg/l) | TKN (mg/l) | Chloride (mg/l) | TDS (mg/l) |
|---|---|---|---|---|---|
| 70-02 | 9-Aug-23 | 24 | <5.0 | 580 | 2,910 |
| | 8-May-23 | 29 | <5.0 | 740 | 2,890 |
| | 9-Feb-23 | 32 | <5.0 | 920 | 2,920 |
| | 8-Nov-22 | 31 | <5.0 | 830 | 2,840 |
| | 9-Aug-22 | 33 | <5.0 | 740 | 2,980 |
| | 9-May-22 | 33 | <5.0 | 760 | 3,020 |
| | 15-Feb-22 | 34 | <5.0 | 860 | 2,980 |
| | 5-Nov-21 | 35 | <5.0 | 780 | 2,990 |
| | 10-Aug-21 | 34 | <5.0 | 810 | 2,990 |
| | 10-May-21 | 33 | <5.0 | 770 | 2,980 |
| | 16-Feb-21 | 34 | <5.0 | 790 | 3,020 |
| | 12-Nov-20 | 35 | <5.0 | 770 | 2,870 |
| | 14-Aug-20 | 34 | <5.0 | 800 | 3,040 |
| | 13-May-20 | 34 | <5.0 | 810 | 3,070 |
| | 10-Feb-20 | 33 | <5.0 | 810 | 2,980 |
| | 12-Nov-19 | 33 | <5.0 | 780 | 2,930 |
| | 6-Aug-19 | 35 | <2.0 | 830 | 2,980 |
| | 16-May-19 | 36 | <5.0 | 840 | 2,960 |
| | 26-Feb-19 | 32 | <5.0 | 780 | 3,030 |
| | 14-Nov-18 | 31 | <5.0 | 880 | 2,950 |
| | 15-Aug-18 | 34 | <5.0 | 800 | 3,140 |
| | 21-May-18 | 33 | <5.0 | 790 | 2,960 |
| | 13-Feb-18 | 29 | <5.0 | 850 | 3,060 |
| | 9-Nov-17 | 30.7 | <0.0500 | 770 | 2,680 |
| | 14-Aug-17 | 33.4 | 0.675 | 824 | 3,220 |
| | 19-May-17 | 31.3 | <0.0501 | 791 | 3,070 |
| | 20-Feb-17 | 31.0 | <0.0501 | 808 | 3,120 |
| | 22-Nov-16 | 31.3 | 1.82 | 831 | 3,150 |
| | 18-Aug-16 | 35.0 | <0.937 | 849 | 3,270 |
| | 23-May-16 | 35.9 | <2.24 | 801 | 3,250 |
| | 16-Feb-16 | 37.7 | <1.18 | 837 | 3,180 |
| | 12-Nov-15 | 36.1 | 8.40 | 811 | 3,210 |
| | 19-Aug-15 | 35.7 | <1.18 | 761 | 3,320 |
| | 12-May-15 | 36.3 | 3.50 | 791 | 3,810 |
| | 10-Feb-15 | 37.6 | <1.80 | 770 | 3,200 |
| | 17-Nov-14 | 37.4 | <1.80 | 793 | 3,180 |
| | 20-Aug-14 | 35.8 | <1.80 | 766 | 3,160 |
| | 14-May-14 | 37.0 | <1.80 | 781 | 3,220 |
| | 19-Feb-14 | 36.9 | <1.66 | 793 | 3,160 |
| | 14-Nov-13 | 36.1 | 4.90 | 837 | 3,200 |
| | 9-Aug-13 | 20.9 | 29.4 | 815 | 2,890 |
| | 9-May-13 | 37.4 | <1.66 | 790 | 3,260 |
| | 13-Feb-13 | 38.1 | <1.72 | 841 | 3,160 |
| | 7-Nov-12 | 36.2 | <1.72 | 820 | 3,300 |
| | 7-Aug-12 | 36.3 | 3.78 | 826 | 3,260 |
| | 25-Apr-12 | 37.9 | <1.72 | 749 | 2,260 |
| | 2-Feb-12 | 37.5 | <2.17 | 829 | 3,160 |
| | 7-Nov-11 | 37.7 | <2.17 | 828 | 2,790 |
| | 4-Aug-11 | 36.8 | 5.04 | 798 | 3,160 |
| | 22-Apr-11 | 38.1 | 8.40 | 836 | 3,220 |
| | 27-Jan-11 | 44.2 | 6.02 | 863 | 3,390 |
| | 22-Sep-10 | 32.2 | <10.0 | 829 | 3,070 |
| | 30-Jun-10 | 46 | < 1.0 | 860 | 3,170 |
| | 25-Mar-10 | 19.6 | ND | 930 | 3,076 |
| | 15-Dec-09 | 18.3 | ND | 960 | 3,012 |
| | 1-Sep-09 | 21.4 | ND | 970 | 3,148 |
| | 2-Jun-09 | 17.8 | ND | 920 | 3,084 |
| | 4-Mar-09 | 35.8 | ND | 940 | 3,104 |

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Sampled | Nitrate as N (mg/l) | TKN (mg/l) | Chloride (mg/l) | TDS (mg/l) |
|---|---|---|---|---|---|
| 70-04 | 9-Aug-23 | 19 | <2.0 | 580 | 3,040 |
| | 8-May-23 | 22 | <5.0 | 700 | 3,020 |
| | 9-Feb-23 | 33 | <5.0 | 730 | 3,090 |
| | 8-Nov-22 | 35 | <5.0 | 660 | 3,000 |
| | 9-Aug-22 | 25 | <5.0 | 540 | 3,020 |
| | 9-May-22 | 24 | <5.0 | 550 | 3,220 |
| | 15-Feb-22 | 17 | <2.0 | 600 | 3,000 |
| | 5-Nov-21 | 19 | <2.0 | 600 | 3,030 |
| | 10-Aug-21 | 14 | <2.0 | 610 | 2,990 |
| | 10-May-21 | 12 | <2.0 | 560 | 3,010 |
| | 16-Feb-21 | 22 | <5.0 | 600 | 2,940 |
| | 12-Nov-20 | 35 | <5.0 | 630 | 2,940 |
| | 14-Aug-20 | 21 | <5.0 | 600 | 2,900 |
| | 13-May-20 | 20 | <2.0 | 610 | 2,750 |
| | 10-Feb-20 | 37 | <5.0 | 670 | 3,190 |
| | 12-Nov-19 | 42 | <5.0 | 640 | 3,020 |
| | 6-Aug-19 | 38 | <2.0 | 640 | 2,940 |
| | 16-May-19 | 27 | <5.0 | 680 | 3,020 |
| | 26-Feb-19 | 25 | <5.0 | 720 | 3,020 |
| | 14-Nov-18 | 29 | <5.0 | 780 | 2,980 |
| | 15-Aug-18 | 27 | <5.0 | 680 | 3,070 |
| | 21-May-18 | 27 | <5.0 | 720 | 3,150 |
| | 13-Feb-18 | 27 | <5.0 | 710 | 2,860 |
| | 9-Nov-17 | 26.5 | <0.0500 | 651 | 2,740 |
| | 14-Aug-17 | 24.6 | 0.380 | 655 | 2,820 |
| | 19-May-17 | 23.9 | <0.0501 | 618 | 2,680 |
| | 20-Feb-17 | 26.1 | <0.0501 | 644 | 2,970 |
| | 22-Nov-16 | 26.5 | <0.300 | 625 | 2,900 |
| | 18-Aug-16 | 27.8 | <0.937 | 739 | 2,920 |
| | 23-May-16 | 27.3 | <2.24 | 423 | 2,780 |
| | 16-Feb-16 | 31.4 | <1.18 | 626 | 2,670 |
| | 12-Nov-15 | 28.9 | 5.60 | 604 | 2,700 |
| | 19-Aug-15 | 29.4 | <1.18 | 561 | 2,820 |
| | 12-May-15 | 27.5 | 1.40 | 579 | 2,860 |
| | 10-Feb-15 | 27.0 | <1.80 | 561 | 2,580 |
| | 17-Nov-14 | 20.2 | <1.80 | 375 | 2,720 |
| | 20-Aug-14 | 24.4 | <1.80 | 577 | 2,950 |
| | 15-May-14 | 24.6 | <1.80 | 610 | 2,630 |
| | 19-Feb-14 | 22.3 | <1.66 | 607 | 2,580 |
| | 14-Nov-13 | 21.0 | 2.80 | 649 | 2,630 |
| | 9-Aug-13 | 21.7 | 4.20 | 636 | 2,780 |
| | 9-May-13 | 23.0 | <1.66 | 630 | 3,510 |
| | 11-Jan-13 | 19.5 | <1.72 | 613 | 6,200 |
| **Buena Vista Dairy I** | | | | | |
| 86-01 | 26-Jan-11 | 95.4 | 16.0 | 2,300 | 6,240 |
| | 20-Sep-10 | 86.9 | <10.0 | 2,330 | 6,500 |
| | 29-Jun-10 | 67 | <1.0 | 1,800 | 5,010 |
| | 25-Mar-10 | 27.0 | 0.28 | 1,770 | 4,814 |
| | 15-Dec-09 | 29.8 | ND | 1,750 | 4,670 |
| | 1-Sep-09 | 26.1 | ND | 1,510 | 4,474 |
| | 2-Jun-09 | 46.5 | 4.76 | 1,590 | 4,464 |
| | 4-Mar-09 | 42 | ND | 1,659 | 4,850 |
| 86-02 | 26-Jan-11 | 23.4 | 2.24 | 641 | 3,110 |
| | 20-Sep-10 | 24.1 | <10.0 | 613 | 2,980 |
| | 29-Jun-10 | 21 | 1.1 | 660 | 3,020 |
| | 25-Mar-10 | 16.2 | 0.7 | 740 | 2,740 |
| | 15-Dec-09 | 10.7 | 0.28 | 730 | 2,818 |
| | 1-Sep-09 | 7.2 | ND | 710 | 2,824 |
| | 2-Jun-09 | 2.95 | ND | 700 | 2,802 |
| | 4-Mar-09 | 16.4 | ND | 625 | 2,666 |

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Sampled | Nitrate as N (mg/l) | TKN (mg/l) | Chloride (mg/l) | TDS (mg/l) |
|---|---|---|---|---|---|
| **Bright Star Dairy** | | | | | |
| 340-01 | 8-Aug-23 | 65 | <5.0 | 610 | 2,870 |
| | 5-May-23 | 62 | <1.0 | 610 | 2,870 |
| | 8-Feb-23 | 61 | <5.0 | 600 | 2,840 |
| | 8-Nov-22 | 60 | <5.0 | 680 | 2,940 |
| | 27-Oct-22 | 58 | <5.0 | 560 | 2,970 |
| | 5-May-22 | 47 | <5.0 | 610 | 2,990 |
| | 14-Feb-22 | 48 | <5.0 | 630 | 2,950 |
| | 4-Nov-21 | 46 | <5.0 | 610 | 2,980 |
| | 9-Aug-21 | 46 | <5.0 | 580 | 2,940 |
| | 6-May-21 | 41 | <5.0 | 580 | 2,900 |
| | 15-Feb-21 | 42 | <5.0 | 570 | 2,930 |
| | 11-Nov-20 | 41 | <5.0 | 560 | 2,940 |
| | 13-Aug-20 | 42 | <2.0 | 550 | 2,950 |
| | 14-May-20 | 42 | <5.0 | 590 | 2,950 |
| | 7-Feb-20 | 46 | <5.0 | 560 | 2,850 |
| | 12-Nov-19 | 46 | <5.0 | 560 | 2,920 |
| | 6-Aug-19 | 48 | <2.0 | 590 | 2,830 |
| | 14-May-19 | 49 | <5.0 | 610 | 2,990 |
| | 25-Feb-19 | 50 | <5.0 | 630 | 3,020 |
| | 15-Nov-18 | 49 | <5.0 | 540 | 2,880 |
| | 14-Aug-18 | 45 | <5.0 | 560 | 2,830 |
| | 21-May-18 | 44 | <5.0 | 560 | 2,700 |
| | 12-Feb-18 | 44 | <5.0 | 640 | 2,870 |
| | 8-Nov-17 | 46.5 | <0.300 | 576 | 2,920 |
| | 11-Aug-17 | 46.5 | <0.0500 | 417 | 2,830 |
| | 18-May-17 | 40.7 | <0.0501 | 579 | 2,890 |
| | 16-Feb-17 | 40.3 | 6.48 | 591 | 2,820 |
| | 10-Nov-16 | 38.2 | 1.14 | 584 | 2,820 |
| | 23-Aug-16 | 35.3 | <0.937 | 618 | 3,050 |
| | 18-May-16 | 32.6 | <2.24 | 594 | 2,980 |
| | 11-Feb-16 | 34.0 | <1.18 | 621 | 3,080 |
| | 9-Nov-15 | 29.8 | <1.18 | 578 | 2,820 |
| | 20-Aug-15 | 34.9 | <1.18 | 486 | 3,080 |
| | 11-May-15 | 41.8 | <1.18 | 437 | 3,680 |
| | 19-Feb-15 | 50.0 | <1.80 | 339 | 2,780 |
| | 12-Nov-14 | 49.9 | <1.80 | 337 | 2,630 |
| | 15-Aug-14 | 37.9 | <1.80 | 383 | 2,800 |
| | 14-May-14 | 27.4 | <1.80 | 608 | 2,770 |
| | 20-Feb-14 | 29.1 | 2.80 | 564 | 2,800 |
| | 11-Nov-13 | 29.2 | 3.50 | 600 | 2,800 |
| | 8-Aug-13 | 28.6 | 4.90 | 694 | 2,000 |
| | 9-May-13 | 31.1 | <1.66 | 577 | 3,700 |
| | 13-Feb-13 | 27.0 | <1.72 | 711 | 3,340 |
| | 5-Nov-12 | 23.8 | <1.72 | 855 | 3,180 |
| | 6-Aug-12 | 22.7 | <1.72 | 694 | 3,380 |
| | 25-Apr-12 | 26.3 | 61.0 | 681 | 2,540 |
| | 2-Feb-12 | 27.4 | <2.17 | 661 | 2,780 |
| | 4-Nov-11 | 26.6 | 4.34 | 691 | 2,910 |
| | 25-Jul-11 | 28.3 | 4.20 | 747 | 2,830 |
| | 27-Jan-11 | 31.1 | 3.50 | 578 | 2,840 |
| | 21-Sep-10 | 24.8 | <10.0 | 513 | 3,070 |
| | 29-Jun-10 | 29 | <0.10 | 610 | 2,810 |
| | 24-Mar-10 | 18.8 | ND | 580 | 2,508 |
| | 15-Dec-09 | 13.1 | ND | 650 | 2,608 |
| | 1-Sep-09 | 12.20 | ND | 530 | 2,522 |
| | 2-Jun-09 | 8.67 | ND | 590 | 2,434 |
| | 4-Mar-09 | 28.3 | ND | 530 | 2,516 |

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Sampled | Nitrate as N (mg/l) | TKN (mg/l) | Chloride (mg/l) | TDS (mg/l) |
|---|---|---|---|---|---|
| 340-02 | 8-Aug-23 | Dry | | | |
| | 5-May-23 | | | | |
| | 8-Feb-23 | | | | |
| | 8-Nov-22 | | | | |
| | 9-Aug-22 | 58 | <5.0 | 670 | 3,090 |
| | 5-May-22 | 48 | <5.0 | 630 | 3,040 |
| | 14-Feb-22 | 55 | <5.0 | 850 | 3,200 |
| | 4-Nov-21 | 63 | <5.0 | 810 | 3,170 |
| | 9-Aug-21 | 66 | <5.0 | 760 | 3,240 |
| | 6-May-21 | 65 | <5.0 | 760 | 3,440 |
| | 15-Feb-21 | 75 | <5.0 | 820 | 3,290 |
| | 11-Nov-20 | 70 | <5.0 | 810 | 3,190 |
| | 14-Aug-20 | 72 | <5.0 | 790 | 3,240 |
| | 14-May-20 | 66 | <5.0 | 780 | 3,170 |
| | 7-Feb-20 | 75 | <5.0 | 760 | 3,280 |
| | 12-Nov-19 | 68 | <5.0 | 750 | 3,230 |
| | 6-Aug-19 | 68 | <1.0 | 720 | 2,990 |
| | 14-May-19 | 66 | <5.0 | 770 | 3,050 |
| | 25-Feb-19 | 67 | <5.0 | 770 | 3,080 |
| | 15-Nov-18 | 69 | <5.0 | 750 | 3,060 |
| | 14-Sep-18 | 78 | <5.0 | 730 | 3,200 |
| | 21-May-18 | 74 | <5.0 | 710 | 3,220 |
| | 12-Feb-18 | 84 | <5.0 | 770 | 3,220 |
| | 8-Nov-17 | 89.7 | <0.300 | 820 | 3,010 |
| | 11-Aug-17 | 92.4 | <0.0500 | 858 | 3,260 |
| | 18-May-17 | 101 | <0.0501 | 896 | 3,260 |
| | 16-Feb-17 | 101 | <0.0501 | 875 | 3,350 |
| | 10-Nov-16 | 93.8 | <0.937 | 878 | 3,280 |
| | 23-Aug-16 | 114 | <0.937 | 1,140 | 3,270 |
| | 18-May-16 | Insufficient Water to Sample | | | |
| | 11-Feb-16 | 99.1 | <1.18 | 899 | 3,240 |
| | 9-Nov-15 | 89.2 | <1.18 | 870 | 3,200 |
| | 20-Aug-15 | 83.0 | <1.18 | 782 | 3,210 |
| | 11-May-15 | 83.6 | <1.18 | 802 | 3,100 |
| | 9-Feb-15 | 91.2 | <1.80 | 809 | 3,340 |
| | 12-Nov-14 | 90.1 | <1.80 | 807 | 3,320 |
| | 15-Aug-14 | 84.4 | <1.80 | 772 | 3,420 |
| | 14-May-14 | 84.6 | <1.80 | 793 | 3,130 |
| | 20-Feb-14 | 86.8 | <1.66 | 806 | 3,080 |
| | 11-Nov-13 | 87.0 | 3.50 | 807 | 3,160 |
| | 8-Aug-13 | 80.2 | 4.90 | 794 | 3,180 |
| | 9-May-13 | 74.6 | <1.66 | 744 | 3,180 |
| | 13-Feb-13 | 81.6 | <1.72 | 805 | 3,550 |
| | 5-Nov-12 | 73.8 | 4.90 | 923 | 3,220 |
| | 6-Aug-12 | 74.0 | <1.72 | 749 | 3,380 |
| | 25-Apr-12 | 69.8 | 6.16 | 727 | 2,890 |
| | 4-Nov-11 | 75.0 | 5.74 | 755 | 3,620 |
| | 22-Jul-11 | 84.8 | 7.98 | 777 | 2,970 |
| | 27-Jan-11 | 94.1 | 2.24 | 760 | 3,500 |
| | 21-Sep-10 | 92.2 | <10.0 | 778 | 3,260 |
| | 29-Jun-10 | 87 | <0.10 | 850 | 3,180 |
| | 24-Mar-10 | 95 | ND | 930 | 3,070 |
| | 15-Dec-09 | 82 | ND | 910 | 3,072 |
| | 1-Sep-09 | 94 | ND | 890 | 3,072 |
| | 2-Jun-09 | 43.2 | ND | 880 | 2,954 |
| | 4-Mar-09 | 41.5 | ND | 885 | 3,098 |

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Sampled | Nitrate as N (mg/l) | TKN (mg/l) | Chloride (mg/l) | TDS (mg/l) |
|---|---|---|---|---|---|
| **Former D&J Dairy (Dominguez 2)** | | | | | |
| 42-02 | 14-Aug-23 | 8.1 | <1.0 | 490 | 2,450 |
| | 10-May-23 | 8.8 | <1.0 | 610 | 2,710 |
| | 13-Feb-23 | 9.2 | <1.0 | 550 | 2,830 |
| | 10-Nov-22 | 9.1 | 1.3 | 490 | 2,660 |
| | 11-Aug-22 | 9.4 | <1.0 | 470 | 2,620 |
| | 11-May-22 | 10 | <2.0 | 530 | 2,740 |
| | 16-Feb-22 | 7.3 | <1.0 | 520 | 2,850 |
| | 9-Nov-21 | 6.6 | <1.0 | 560 | 2,710 |
| | 11-Aug-21 | 11 | <2.0 | 520 | 2,660 |
| | 11-May-21 | 7.3 | <1.0 | 490 | 2,720 |
| | 18-Feb-21 | 7.1 | <1.0 | 540 | 2,860 |
| | 16-Nov-20 | 7.5 | 1.1 | 550 | 2,800 |
| | 18-Aug-20 | 8.5 | <1.0 | 410 | 2,400 |
| | 22-May-20 | 10 | <2.0 | 460 | 2,570 |
| | 11-Feb-20 | 10 | <2.0 | 490 | 2,680 |
| | 22-Nov-19 | 9.1 | <1.0 | 430 | 2,620 |
| | 16-Aug-19 | 9.3 | <1.0 | 420 | 2,440 |
| | 29-May-19 | 7.4 | <1.0 | 470 | 2,750 |
| | 6-Mar-19 | 7.0 | <1.0 | 460 | 2,750 |
| | 4-Dec-18 | 7.8 | <1.0 | 580 | 3,090 |
| | 22-Aug-18 | 7.3 | 1.1 | 450 | 2,600 |
| | 29-May-18 | 7.6 | <1.0 | 610 | 3,050 |
| | 21-Feb-18 | 8.1 | 1.1 | 610 | 2,960 |
| | 1-Dec-17 | 10.2 | 0.332 | 590 | 2,510 |
| | 22-Aug-17 | 14.8 | <0.300 | 514 | 2,630 |
| | 2-Jun-17 | 11.0 | 0.939 | 542 | 2,730 |
| | 6-Mar-17 | 12.3 | <0.300 | 501 | 2,650 |
| | 28-Nov-16 | 11.1 | <0.300 | 506 | 2,760 |
| | 31-Aug-16 | 12.8 | <0.937 | 539 | 2,700 |
| | 1-Jun-16 | 8.79 | <2.24 | 469 | 2,580 |
| | 23-Feb-16 | 9.10 | 4.48 | 535 | 2,560 |
| | 1-Dec-15 | 7.55 | <1.18 | 510 | 2,420 |
| | 26-Aug-15 | 6.38 | 5.60 | 492 | 2,540 |
| | 18-May-15 | 6.92 | 5.60 | 482 | 2,360 |
| | 26-Feb-15 | 7.61 | 6.30 | 483 | 2,580 |
| | 18-Nov-14 | 8.21 | <1.80 | 461 | 2,400 |
| | 26-Aug-14 | 7.62 | <1.80 | 477 | 2,350 |
| | 21-May-14 | 10.2 | 2.10 | 498 | 2,460 |
| | 26-Feb-14 | 9.28 | <1.66 | 469 | 2,180 |
| | 26-Nov-13 | 9.62 | 2.10 | 490 | 2,260 |
| | 20-Aug-13 | 14.5 | 4.90 | 459 | 2,360 |
| | 14-May-13 | 12.0 | <1.66 | 432 | 2,220 |
| | 15-Feb-13 | 17.6 | <1.72 | 457 | 2,360 |
| | 9-Nov-12 | 8.99 | <1.72 | 412 | 2,180 |
| | 8-Aug-12 | 7.73 | <1.72 | 400 | 1,830 |
| | 1-May-12 | 22.5 | <1.72 | 431 | 2,210 |
| | 16-Feb-12 | 24.5 | <2.17 | 465 | 2,770 |
| | 9-Nov-11 | 21.2 | 3.08 | 449 | 2,170 |
| | 2-Aug-11 | 20.5 | 2.38 | 424 | 2,360 |
| | 25-Apr-11 | 29.1 | <2.17 | 365 | 2,140 |
| | 28-Jan-11 | 22.7 | 6.72 | 408 | 2,150 |
| | 1-Oct-10 | 21.0 | <10.0 | 355 | 2,010 |
| | 27-Jun-10 | 27 | <5.0 | 360 | 2,220 |
| | 6-Mar-10 | 31.3 | <0.3 | 380 | 2,145 |
| | 16-Jan-10 | 25.7 | 0.3 | 350 | 2,090 |
| | 15-Sep-09 | 24.6 | 0.9 | 350 | 2,075 |
| | 3-Jun-09 | 30.6 | 0.6 | 320 | 2,045 |
| | 14-Mar-09 | 29.6 | 0.7 | 370 | 2,115 |

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Sampled | Nitrate as N (mg/l) | TKN (mg/l) | Chloride (mg/l) | TDS (mg/l) |
|---|---|---|---|---|---|
| 42-03 | 11-Aug-23 | 36 | <5.0 | 1,000 | 3,160 |
| | 9-May-23 | 34 | <5.0 | 1,200 | 3,160 |
| | 10-Feb-23 | 31 | <5.0 | 1,000 | 3,230 |
| | 9-Nov-22 | 33 | <5.0 | 980 | 3,230 |
| | 10-Aug-22 | 34 | <5.0 | 1,000 | 3,290 |
| | 10-May-22 | 33 | <5.0 | 970 | 3,280 |
| | 16-Feb-22 | 31 | <5.0 | 1,000 | 3,240 |
| | 8-Nov-21 | 31 | <5.0 | 1,100 | 3,240 |
| | 10-Aug-21 | 28 | <5.0 | 1,100 | 3,220 |
| | 11-May-21 | 28 | <5.0 | 1,000 | 3,230 |
| | 17-Feb-21 | 29 | <5.0 | 1,100 | 3,210 |
| | 16-Nov-20 | 30 | <5.0 | 1,100 | 3,340 |
| | 18-Aug-20 | 30 | <1.0 | 1,100 | 3,340 |
| | 20-May-20 | 28 | <5.0 | 1,100 | 3,300 |
| | 11-Feb-20 | 26 | <5.0 | 1,200 | 3,370 |
| | 22-Nov-19 | 29 | <1.0 | 1,000 | 3,380 |
| | 16-Aug-19 | 34 | <1.0 | 1,200 | 3,420 |
| | 30-May-19 | 30 | <5.0 | 1,200 | 3,380 |
| | 6-Mar-19 | 32 | <5.0 | 1,100 | 3,390 |
| | 4-Dec-18 | 41 | <5.0 | 1,200 | 3,550 |
| | 22-Aug-18 | 40 | <5.0 | 1,100 | 3,530 |
| | 29-May-18 | 43 | <5.0 | 1,200 | 3,590 |
| | 21-Feb-18 | 36 | <5.0 | 1,200 | 3,570 |
| | 1-Dec-17 | 43.6 | <0.300 | 1,350 | 3,350 |
| | 23-Aug-17 | 54.5 | <0.300 | 1,010 | 3,540 |
| | 2-Jun-17 | 57.1 | <0.100 | 1,120 | 3,630 |
| | 6-Mar-17 | 49.2 | <0.300 | 1,170 | 3,690 |
| | 28-Nov-16 | 50.2 | <0.300 | 1,180 | 3,730 |
| | 31-Aug-16 | 93.5 | <0.937 | 983 | 3,400 |
| | 1-Jun-16 | 90.0 | <2.24 | 956 | 3,680 |
| | 23-Feb-16 | 68.0 | <1.18 | 1,190 | 3,740 |
| | 1-Dec-15 | 97.9 | <1.18 | 933 | 3,380 |
| | 26-Aug-15 | 74.7 | <1.18 | 1,040 | 3,820 |
| | 18-May-15 | 86.9 | 2.1 | 1,010 | 3,470 |
| | 27-Feb-15 | 68.6 | <1.80 | 1,020 | 3,630 |
| | 18-Nov-14 | 73.2 | 16.1 | 1,040 | 3,560 |
| | 26-Aug-14 | 78.0 | <1.80 | 891 | 3,360 |
| | 21-May-14 | 62.6 | <1.80 | 1,100 | 3,720 |
| | 26-Feb-14 | 62.8 | <1.66 | 1,070 | 3,160 |
| | 26-Nov-13 | 62.9 | 2.80 | 1,090 | 3,660 |
| | 15-Aug-13 | 67.5 | 17.5 | 1,090 | 3,560 |
| | 14-May-13 | 59.6 | <1.66 | 1,150 | 3,800 |
| | 15-Feb-13 | 60.3 | <1.72 | 1,140 | 3,800 |
| | 9-Nov-12 | 56.2 | <1.72 | 1,120 | 3,800 |
| | 8-Aug-12 | 71.1 | <1.72 | 1,370 | 3,520 |
| | 1-May-12 | 51.5 | <1.72 | 1,030 | 3,620 |
| | 16-Feb-12 | 51.3 | <2.17 | 1,130 | 3,760 |
| | 9-Nov-11 | 58.9 | 2.80 | 1,000 | 3,660 |
| | 1-Aug-11 | 59.2 | <2.17 | 1,030 | 3,720 |
| | 25-Apr-11 | 58.8 | <2.17 | 1,080 | 3,620 |
| | 28-Jan-11 | 69.5 | 3.78 | 1,160 | 3,690 |
| | 1-Oct-10 | 63.0 | <10.0 | 1,090 | 3,640 |
| | 27-Jun-10 | 49 | <5.0 | 1,100 | 3,780 |
| | 6-Mar-10 | 39.6 | <0.3 | 1,180 | 3,935 |
| | 16-Jan-10 | 43.3 | <0.3 | 1,200 | 3,800 |
| | 15-Sep-09 | 52.3 | 0.3 | 1,130 | 3,765 |
| | 3-Jun-09 | 48.2 | 0.3 | 1,240 | 3,860 |
| | 14-Mar-09 | 32.2 | <0.2 | 1,240 | 3,800 |

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Sampled | Nitrate as N (mg/l) | TKN (mg/l) | Chloride (mg/l) | TDS (mg/l) |
|---|---|---|---|---|---|
| 42-06 | 11-Aug-23 | 60 | <5.0 | 330 | 2,170 |
| | 9-May-23 | 91 | <5.0 | 370 | 2,530 |
| | 10-Feb-23 | 120 | <5.0 | 390 | 2,530 |
| | 9-Nov-22 | 82 | <5.0 | 360 | 2,400 |
| | 10-Aug-22 | 91 | <5.0 | 360 | 2,520 |
| | 10-May-22 | 170 | <1.0 | 520 | 3,420 |
| | 17-Feb-22 | 170 | <5.0 | 570 | 3,510 |
| | 8-Nov-21 | 200 | <5.0 | 650 | 3,620 |
| | 11-Aug-21 | 200 | <5.0 | 590 | 3,500 |
| | 11-May-21 | 210 | <5.0 | 630 | 3,710 |
| | 18-Feb-21 | 230 | <5.0 | 720 | 3,800 |
| | 16-Nov-20 | 190 | <5.0 | 560 | 3,260 |
| | 18-Aug-20 | 150 | <1.0 | 480 | 3,030 |
| | 22-May-20 | 200 | <5.0 | 620 | 3,480 |
| | 12-Feb-20 | 150 | <5.0 | 470 | 2,850 |
| | 22-Nov-19 | 180 | <1.0 | 360 | 2,760 |
| | 16-Aug-19 | 150 | <1.0 | 440 | 2,740 |
| | 30-May-19 | 140 | <5.0 | 350 | 2,540 |
| | 6-Mar-19 | 130 | <5.0 | 470 | 2,810 |
| | 4-Dec-18 | 97 | <5.0 | 560 | 2,690 |
| | 22-Aug-18 | 140 | <5.0 | 420 | 2,850 |
| | 29-May-18 | 160 | <5.0 | 610 | 3,060 |
| | 21-Feb-18 | 140 | <5.0 | 590 | 2,920 |
| | 1-Dec-17 | 129 | <0.300 | 522 | 2,350 |
| | 22-Aug-17 | 123 | <0.300 | 295 | 2,250 |
| | 2-Jun-17 | 98.1 | 0.615 | 424 | 2,340 |
| | 6-Mar-17 | 102 | <0.300 | 280 | 2,180 |
| | 28-Nov-16 | 66.9 | <0.300 | 291 | 2,100 |
| | 31-Aug-16 | 67.9 | <0.937 | 275 | 1,970 |
| | 1-Jun-16 | 87.7 | <2.24 | 300 | 2,250 |
| | 23-Feb-16 | 60.0 | <1.18 | 308 | 2,050 |
| | 1-Dec-15 | 84.5 | <1.18 | 358 | 2,220 |
| | 26-Aug-15 | 80.7 | <1.18 | 391 | 2,680 |
| | 18-May-15 | 90.6 | 2.80 | 373 | 2,160 |
| | 26-Feb-15 | 78.0 | 2.80 | 323 | 2,100 |
| | 18-Nov-14 | 94.6 | <1.80 | 302 | 2,160 |
| | 13-Aug-14 | 83.6 | <1.80 | 302 | 2,220 |
| | 21-May-14 | 87.9 | 2.80 | 395 | 2,440 |
| | 26-Feb-14 | 59.3 | <1.66 | 417 | 2,380 |
| | 26-Nov-13 | 76.3 | 2.10 | 397 | 2,270 |
| | 20-Aug-13 | 95.1 | 4.90 | 432 | 2,580 |
| | 14-May-13 | 86.5 | <1.66 | 413 | 2,390 |
| | 15-Feb-13 | 82.9 | <1.72 | 457 | 2,430 |
| | 9-Nov-12 | 75.9 | <1.72 | 478 | 2,570 |
| | 8-Aug-12 | 81.5 | 1.82 | 484 | 2,475 |
| | 1-May-12 | 87.0 | 1.96 | 720 | 2,920 |
| | 16-Feb-12 | 92.4 | <2.17 | 630 | 3,100 |
| | 9-Nov-11 | 101 | <2.17 | 617 | 3,000 |
| | 2-Aug-11 | 88.6 | 3.22 | 525 | 2,980 |
| | 25-Apr-11 | 72.2 | <2.17 | 454 | 2,500 |
| | 28-Jan-11 | 69.8 | 4.20 | 421 | 2,780 |
| | 1-Oct-10 | 113 | <10.0 | 497 | 2,660 |
| | 27-Jun-10 | 46 | <5.0 | 400 | 2,550 |
| | 6-Mar-10 | 43.1 | <0.3 | 480 | 2,510 |
| | 16-Jan-10 | 44.2 | 0.3 | 1,150 | 2,600 |
| | 14-Sep-09 | 54.8 | 0.4 | 450 | 2,600 |
| | 3-Jun-09 | 0.02 | <0.2 | 1,240 | 3,780 |
| | 14-Mar-09 | 49.7 | 0.2 | 480 | 2,540 |

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Sampled | Nitrate as N (mg/l) | TKN (mg/l) | Chloride (mg/l) | TDS (mg/l) |
|---|---|---|---|---|---|
| 42-07 | 10-Nov-20 | Plugged and Abandoned | | | |
| | 18-Aug-20 | Dry | | | |
| | 11-Feb-20 | Dry | | | |
| | 22-Nov-19 | Dry | | | |
| | 16-Aug-19 | Dry | | | |
| | 29-May-19 | Dry | | | |
| | 6-Mar-19 | Dry | | | |
| | 4-Dec-18 | Dry | | | |
| | 23-Aug-18 | Dry | | | |
| | 29-May-18 | Dry | | | |
| | 21-Feb-18 | Dry | | | |
| | 22-Aug-17 | Dry | | | |
| | 2-Jun-17 | Dry | | | |
| | 6-Mar-17 | Dry | | | |
| | 28-Nov-16 | Dry | | | |
| | 31-Aug-16 | Dry | | | |
| | 1-Jun-16 | Dry | | | |
| | 23-Feb-16 | Dry | | | |
| | 1-Dec-15 | Dry | | | |
| | 26-Aug-15 | Dry | | | |
| | 18-May-15 | Dry | | | |
| | 26-Feb-15 | Dry | | | |
| | 18-Nov-14 | Dry | | | |
| | 26-Aug-14 | Dry | | | |
| | 22-May-14 | Dry | | | |
| | 26-Feb-14 | Dry | | | |
| | 26-Nov-13 | Dry | | | |
| | 15-Aug-13 | Dry | | | |
| | 14-May-13 | Dry | | | |
| | 15-Feb-13 | Dry | | | |
| | 9-Nov-12 | Dry | | | |
| | 8-Aug-12 | Dry | | | |
| | 1-May-12 | Dry | | | |
| | 16-Feb-12 | Dry | | | |
| | 9-Nov-11 | 57.9 | <2.17 | 1,090 | 3,450 |
| | 2-Aug-11 | Dry | | | |
| | 25-Apr-11 | 68.5 | <2.17 | 1,230 | 4,080 |
| | 28-Jan-11 | 88.3 | 4.48 | 1,130 | 4,180 |
| | 1-Oct-10 | 92.0 | <40.0 | 1,390 | 4,260 |
| | 27-Jun-10 | 63 | <5.0 | 1,400 | 4,330 |
| | 6-Mar-10 | 63.1 | <0.3 | 1,490 | 4,345 |
| | 16-Jan-10 | 59.6 | <0.3 | 1,480 | 4,275 |
| | 15-Sep-09 | 66.6 | <0.3 | 1,290 | 4,195 |
| | 3-Jun-09 | 57.4 | <0.2 | 1,550 | 4,225 |
| | 14-Mar-09 | 43.7 | <0.2 | 1,500 | 4,110 |

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Sampled | Nitrate as N (mg/l) | TKN (mg/l) | Chloride (mg/l) | TDS (mg/l) |
|---|---|---|---|---|---|
| 42-08 | 14-Aug-23 | 21 | <5.0 | 270 | 1,860 |
| | 10-May-23 | 11 | <2.0 | 530 | 2,600 |
| | 13-Feb-23 | 22 | <5.0 | 280 | 1,860 |
| | 9-Nov-22 | 16 | <2.0 | 370 | 2,160 |
| | 10-Aug-22 | 19 | <2.0 | 310 | 2,090 |
| | 11-May-22 | 24 | <5.0 | 260 | 1,800 |
| | 17-Feb-22 | 25 | <5.0 | 270 | 1,830 |
| | 9-Nov-21 | 32 | <5.0 | 230 | 1,640 |
| | 11-Aug-21 | 36 | <5.0 | 220 | 1,700 |
| | 11-May-21 | 40 | <5.0 | 180 | 1,460 |
| | 18-Feb-21 | 35 | <5.0 | 250 | 1,730 |
| | 16-Nov-20 | 42 | <5.0 | 170 | 1,680 |
| | 18-Aug-20 | 17 | <1.0 | 370 | 2,290 |
| | 22-May-20 | 42 | <5.0 | 240 | 1,780 |
| | 12-Feb-20 | 40 | <5.0 | 240 | 1,830 |
| | 22-Nov-19 | 35 | <1.0 | 290 | 2,000 |
| | 16-Aug-19 | 42 | <1.0 | 290 | 1,920 |
| | 29-May-19 | 60 | <5.0 | 130 | 1,410 |
| | 6-Mar-19 | 49 | <5.0 | 96 | 1,310 |
| | 4-Dec-18 | 36 | <5.0 | 54 | 1,280 |
| | 22-Aug-18 | 29 | <5.0 | 200 | 1,700 |
| | 29-May-18 | 27 | <5.0 | 93 | 1,200 |
| | 21-Feb-18 | 20 | <5.0 | 130 | 1,290 |
| | 2-Dec-17 | 24.0 | <0.300 | 135 | 1,160 |
| | 22-Aug-17 | 30.6 | <0.300 | 203 | 1,580 |
| | 2-Jun-17 | 32.3 | 1.03 | 43 | 1,030 |
| | 6-Mar-17 | 36.8 | <0.300 | 41 | 1,200 |
| | 28-Nov-16 | 37.0 | <0.300 | 43 | 1,160 |
| | 31-Aug-16 | 40.6 | <0.937 | 53 | 1,300 |
| | 1-Jun-16 | Dry | | | |
| | 23-Feb-16 | Dry | | | |
| | 1-Dec-15 | Dry | | | |
| | 26-Aug-15 | 37.4 | <1.18 | 89.6 | 1,640 |
| | 18-May-15 | Not Sampled - insufficient water to sample | | | |
| | 26-Feb-15 | 44.9 | <1.80 | 85.7 | 1,400 |
| | 18-Nov-14 | 47.3 | <1.80 | 117 | 1,440 |
| | 26-Aug-14 | 36.1 | <1.80 | 159 | 1,500 |
| | 21-May-14 | 33.1 | <1.80 | 149 | 1,470 |
| | 26-Feb-14 | 32.6 | <1.66 | 251 | 1,790 |
| | 26-Nov-13 | 30.8 | 2.10 | 275 | 1,780 |
| | 20-Aug-13 | 30.3 | 6.30 | 292 | 2,000 |
| | 14-May-13 | 29.9 | <1.66 | 259 | 1,880 |
| | 15-Feb-13 | 31.8 | <1.72 | 284 | 1,860 |
| | 9-Nov-12 | 30.4 | <1.72 | 283 | 1,930 |
| | 8-Aug-12 | 36.4 | <1.72 | 307 | 1,938 |
| | 1-May-12 | 36.0 | <1.72 | 246 | 1,700 |
| | 16-Feb-12 | 37.0 | <2.17 | 254 | 1,850 |
| | 9-Nov-11 | 40.0 | <2.17 | 269 | 1,770 |
| | 2-Aug-11 | 41.3 | 2.38 | 253 | 2,030 |
| | 25-Apr-11 | 51.4 | 2.66 | 201 | 1,970 |
| | 28-Jan-11 | 46.2 | 5.46 | 219 | 2,020 |
| | 1-Oct-10 | 49.0 | <10.0 | 288 | 2,160 |
| | 27-Jun-10 | 75 | <5.0 | 300 | 2,220 |
| | 6-Mar-10 | 76.8 | <0.3 | 365 | 2,290 |
| | 16-Jan-10 | 82.8 | <0.3 | 350 | 2,315 |
| | 15-Sep-09 | 87.1 | 0.7 | 410 | 2,340 |
| | 3-Jun-09 | 65.8 | 0.8 | 380 | 2,175 |
| | 14-Mar-09 | 43.2 | 0.4 | 400 | 2,220 |

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Sampled | Nitrate as N (mg/l) | TKN (mg/l) | Chloride (mg/l) | TDS (mg/l) |
|---|---|---|---|---|---|
| 42-09 | 10-Nov-20 | Plugged and Abandoned | | | |
| | 1-Dec-15 | Not Sampled - Destroyed | | | |
| | 26-Aug-15 | 57.1 | <1.18 | 712 | 3,020 |
| | 18-May-15 | 58.0 | <1.18 | 733 | 3,050 |
| | 26-Feb-15 | 69.8 | <1.80 | 673 | 2,960 |
| | 18-Nov-14 | 46.4 | <1.80 | 722 | 3,000 |
| | 26-Aug-14 | 46.5 | <1.80 | 674 | 3,000 |
| | 22-May-14 | 59.3 | <1.80 | 699 | 3,060 |
| | 26-Feb-14 | 53.5 | <1.66 | 715 | 3,030 |
| | 26-Nov-13 | 51.2 | 2.80 | 731 | 3,030 |
| | 15-Aug-13 | 56.1 | 37.8 | 725 | 3,010 |
| | 14-May-13 | 51.6 | <1.66 | 717 | 3,200 |
| | 15-Feb-13 | 47.0 | <1.72 | 653 | 2,870 |
| | 9-Nov-12 | 48.4 | <1.72 | 641 | 3,030 |
| | 8-Aug-12 | 49.5 | <1.72 | 597 | 2,475 |
| | 1-May-12 | 50.3 | <1.72 | 542 | 2,820 |
| | 16-Feb-12 | 50.7 | <2.17 | 627 | 2,920 |
| | 9-Nov-11 | 47.8 | <2.17 | 591 | 1,810 |
| | 1-Aug-11 | 55.0 | <2.17 | 579 | 2,750 |
| | 25-Apr-11 | 65.8 | <2.17 | 664 | 2,820 |
| | 28-Jan-11 | 44.9 | <2.17 | 537 | 2,940 |
| | 28-Sep-10 | 38.0 | <10.0 | 591 | 2,760 |
| | 27-Jun-10 | 68 | <5.0 | 610 | 3,010 |
| | 6-Mar-10 | Not Sampled | | | |
| | 16-Jan-10 | 52.8 | <0.3 | 690 | 2,970 |
| | 15-Sep-09 | 68.8 | 0.7 | 650 | 3,000 |
| | 3-Jun-09 | 66.5 | 0.7 | 690 | 3,000 |
| | 14-Mar-09 | 59.5 | 0.4 | 700 | 3,050 |

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Sampled | Nitrate as N (mg/l) | TKN (mg/l) | Chloride (mg/l) | TDS (mg/l) |
|---|---|---|---|---|---|
| 42-10 | 16-Aug-23 | 7.6 | <1.0 | 430 | 1,510 |
| | 11-May-23 | 7.9 | <1.0 | 410 | 1,610 |
| | 14-Feb-23 | 6.3 | <1.0 | 420 | 1,610 |
| | 10-Nov-22 | 7.4 | <1.0 | 410 | 1,630 |
| | 11-Aug-22 | 6.7 | <1.0 | 400 | 1,470 |
| | 11-May-22 | 6.4 | <1.0 | 420 | 1,610 |
| | 15-Feb-22 | 6.1 | <1.0 | 410 | 1,590 |
| | 9-Nov-21 | 4.5 | <1.0 | 410 | 1,540 |
| | 12-Aug-21 | 3.8 | <1.0 | 400 | 1,520 |
| | 12-May-21 | 3.0 | <1.0 | 370 | 1,490 |
| | 17-Feb-21 | 2.1 | <1.0 | 400 | 1,470 |
| | 13-Nov-20 | 1.4 | <1.0 | 380 | 1,460 |
| | 19-Aug-20 | <1.0 | <1.0 | 380 | 1,440 |
| | 22-May-20 | 1.3 | 3.8 | 390 | 1,540 |
| | 12-Feb-20 | 1.2 | <1.0 | 370 | 1,490 |
| | 25-Nov-19 | 0.84 | <1.0 | 370 | 1,550 |
| | 19-Aug-19 | <1.0 | <1.0 | 400 | 1,540 |
| | 30-May-19 | <1.0 | <1.0 | 390 | 1,470 |
| | 6-Mar-19 | <1.0 | <1.0 | 370 | 1,410 |
| | 4-Dec-18 | <1.0 | <1.0 | 410 | 1,410 |
| | 22-Aug-18 | <1.0 | <1.0 | 370 | 1,390 |
| | 30-May-18 | 0.21 | <1.0 | 380 | 1,360 |
| | 19-Feb-18 | <1.0 | <1.0 | 400 | 1,390 |
| | 4-Dec-17 | 0.592 | <0.300 | 380 | 1,300 |
| | 23-Aug-17 | 0.469 | <0.300 | 396 | 1,350 |
| | 2-Jun-17 | 0.429 | 1.23 | 405 | 1,300 |
| | 6-Mar-17 | 0.542 | <0.300 | 403 | 1,270 |
| | 29-Nov-16 | 1.45 | <0.300 | 425 | 1,380 |
| | 1-Sep-16 | <0.305 | <0.937 | 414 | 1,370 |
| | 1-Jun-16 | 0.354 | <2.24 | 425 | 1,520 |
| | 23-Feb-16 | <0.0610 | <1.18 | 459 | 1,460 |
| | 1-Dec-15 | 0.165 | <1.18 | 439 | 1,300 |
| | 25-Aug-15 | <0.194 | <1.18 | 436 | 1,440 |
| | 18-May-15 | 1.07 | <1.18 | 471 | 1,360 |
| | 27-Feb-15 | 0.947 | <1.80 | 439 | 1,520 |
| | 19-Nov-14 | 1.08 | 11.9 | 441 | 1,340 |
| | 26-Aug-14 | 1.08 | <1.80 | 410 | 1,340 |
| | 22-May-14 | 1.25 | <1.80 | 457 | 1,420 |
| | 26-Feb-14 | 0.982 | <1.66 | 416 | 1,400 |
| | 26-Nov-13 | 1.10 | 2.10 | 435 | 1,420 |
| | 20-Aug-13 | 0.991 | 9.10 | 423 | 1,540 |
| | 14-May-13 | 0.976 | <1.66 | 395 | 1,400 |
| | 15-Feb-13 | <0.246 | <1.72 | 415 | 1,380 |
| | 9-Nov-12 | <0.0290 | <1.72 | 397 | 1,350 |
| | 8-Aug-12 | 0.186 | <1.72 | 403 | 1,328 |
| | 1-May-12 | 0.236 | <1.72 | 363 | 1,260 |
| | 16-Feb-12 | <0.500 | <2.17 | 419 | 1,440 |
| | 8-Nov-11 | <0.500 | <2.17 | 425 | 1,510 |
| | 2-Aug-11 | <0.500 | <2.17 | 469 | 1,540 |
| | 25-Apr-11 | <0.500 | <2.17 | 453 | 1,500 |
| | 28-Jan-11 | 2.15 | <2.17 | 345 | 1,280 |
| | 1-Oct-10 | 0.220 | <10.0 | 360 | 1,450 |
| | 27-Jun-10 | <0.50 | <1.0 | 420 | 1,490 |
| | 6-Mar-10 | 0.23 | <0.3 | 440 | 1,500 |
| | 16-Jan-10 | <0.03 | <0.3 | 430 | 1,435 |
| | 15-Sep-09 | 0.16 | <0.3 | 400 | 1,425 |
| | 3-Jun-09 | 0.21 | <0.2 | 450 | 1,535 |
| | 14-Mar-09 | 0.02 | <0.2 | 480 | 1,480 |

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Sampled | Nitrate as N (mg/l) | TKN (mg/l) | Chloride (mg/l) | TDS (mg/l) |
|---|---|---|---|---|---|
| 42-11 | 14-Aug-23 | <1.0 | <1.0 | 350 | 1,310 |
| | 10-May-23 | <1.0 | <1.0 | 440 | 1,420 |
| | 14-Feb-23 | <1.0 | <1.0 | 350 | 1,370 |
| | 10-Nov-22 | <1.0 | <1.0 | 360 | 1,380 |
| | 11-Aug-22 | <1.0 | <1.0 | 340 | 1,390 |
| | 11-May-22 | <1.0 | <1.0 | 350 | 1,390 |
| | 17-Feb-22 | <1.0 | <1.0 | 380 | 1,410 |
| | 9-Nov-21 | <1.0 | <1.0 | 390 | 1,400 |
| | 12-Aug-21 | <1.0 | <1.0 | 360 | 1,350 |
| | 12-May-21 | <1.0 | <1.0 | 350 | 1,390 |
| | 17-Feb-21 | <1.0 | <1.0 | 360 | 1,350 |
| | 13-Nov-20 | <1.0 | <1.0 | 330 | 1,310 |
| | 19-Aug-20 | <1.0 | <1.0 | 300 | 1,250 |
| | 22-May-20 | 1.1 | <1.0 | 310 | 1,200 |
| | 12-Feb-20 | 1.3 | <1.0 | 290 | 1,220 |
| | 25-Nov-19 | 1.4 | <1.0 | 310 | 1,200 |
| | 19-Aug-19 | 1.2 | <1.0 | 280 | 1,200 |
| | 30-May-19 | 1.3 | <1.0 | 280 | 1,180 |
| | 6-Mar-19 | 1.3 | <1.0 | 260 | 1,160 |
| | 4-Dec-18 | 1.3 | <1.0 | 290 | 1,160 |
| | 22-Aug-18 | 1.4 | <1.0 | 270 | 1,190 |
| | 30-May-18 | 1.4 | <1.0 | 330 | 1,160 |
| | 19-Feb-18 | 1.4 | <1.0 | 310 | 1,200 |
| | 4-Dec-17 | 1.66 | <0.300 | 268 | 1,040 |
| | 23-Aug-17 | 1.72 | <0.300 | 291 | 1,100 |
| | 2-Jun-17 | 1.38 | 0.591 | 293 | 1,090 |
| | 3-Mar-17 | 1.66 | <0.300 | 298 | 1,140 |
| | 29-Nov-16 | 2.39 | <0.300 | 301 | 1,120 |
| | 1-Sep-16 | 1.23 | <0.937 | 305 | 1,180 |
| | 1-Jun-16 | 1.34 | <2.24 | 302 | 1,190 |
| | 23-Feb-16 | 1.23 | <1.18 | 319 | 1,190 |
| | 1-Dec-15 | 1.16 | <1.18 | 303 | 1,160 |
| | 25-Aug-15 | 1.00 | <1.18 | 302 | 1,160 |
| | 18-May-15 | 1.79 | <1.18 | 308 | 1,100 |
| | 27-Feb-15 | 1.66 | <1.80 | 300 | 1,160 |
| | 19-Nov-14 | 1.83 | 2.10 | 316 | 1,170 |
| | 27-Aug-14 | 1.78 | 6.30 | 295 | 1,200 |
| | 22-May-14 | 1.87 | <1.80 | 312 | 1,120 |
| | 26-Feb-14 | 1.44 | <1.66 | 339 | 1,280 |
| | 26-Nov-13 | 1.43 | 2.80 | 344 | 1,260 |
| | 20-Aug-13 | 1.50 | 2.80 | 334 | 1,280 |
| | 14-May-13 | 1.78 | <1.66 | 303 | 1,220 |
| | 15-Feb-13 | 1.64 | <1.72 | 327 | 1,210 |
| | 9-Nov-12 | <0.0290 | <1.72 | 315 | 1,230 |
| | 8-Aug-12 | 1.21 | <1.72 | 308 | 1,182 |
| | 1-May-12 | 1.24 | <1.72 | 274 | 1,160 |
| | 16-Feb-12 | <0.500 | <2.17 | 337 | 1,240 |
| | 8-Nov-11 | 1.97 | <2.17 | 334 | 1,480 |
| | 2-Aug-11 | 3.07 | <2.17 | 308 | 1,160 |
| | 25-Apr-11 | 3.45 | <2.17 | 304 | 795 |
| | 28-Jan-11 | 0.47 | 2.38 | 285 | 1,300 |
| | 1-Oct-10 | 0.62 | <10.0 | 300 | 1,250 |
| | 27-Jun-10 | 3.90 | <1.0 | 290 | 1,080 |
| | 6-Mar-10 | 0.51 | <0.3 | 370 | 1,300 |
| | 16-Jan-10 | 0.03 | <0.3 | 370 | 1,325 |
| | 15-Sep-09 | 0.41 | <0.3 | 320 | 1,245 |
| | 3-Jun-09 | 3.00 | 0.70 | 300 | 1,080 |
| | 14-Mar-09 | 0.90 | <0.2 | 310 | 1,225 |

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Sampled | Nitrate as N (mg/l) | TKN (mg/l) | Chloride (mg/l) | TDS (mg/l) |
|---|---|---|---|---|---|
| 42-12 | 16-Aug-23 | <1.0 | <1.0 | 270 | 1,030 |
| | 11-May-23 | <1.0 | <1.0 | 250 | 1,010 |
| | 14-Feb-23 | 1.8 | <1.0 | 260 | 1,080 |
| | 10-Nov-22 | <1.0 | <1.0 | 270 | 1,090 |
| | 11-Aug-22 | 1.0 | <1.0 | 260 | 1,070 |
| | 11-May-22 | 1.6 | <1.0 | 250 | 1,080 |
| | 17-Feb-22 | 1.9 | <1.0 | 270 | 1,090 |
| | 9-Nov-21 | 1.8 | <1.0 | 270 | 1,080 |
| | 12-Aug-21 | 1.6 | <1.0 | 290 | 1,110 |
| | 12-May-21 | 1.7 | <1.0 | 270 | 1,120 |
| | 17-Feb-21 | 1.7 | <1.0 | 290 | 1,090 |
| | 13-Nov-20 | 1.3 | <1.0 | 310 | 1,100 |
| | 19-Aug-20 | <1.0 | <1.0 | 310 | 1,130 |
| | 22-May-20 | 1.1 | <1.0 | 310 | 1,130 |
| | 12-Feb-20 | 1.3 | <1.0 | 330 | 1,160 |
| | 25-Nov-19 | 1.1 | <1.0 | 350 | 1,170 |
| | 19-Aug-19 | <1.0 | <1.0 | 330 | 1,170 |
| | 30-May-19 | 1.0 | <1.0 | 320 | 1,180 |
| | 6-Mar-19 | <1.0 | <1.0 | 300 | 1,190 |
| | 4-Dec-18 | <1.0 | <1.0 | 330 | 1,190 |
| | 22-Aug-18 | 1.0 | <1.0 | 330 | 1,190 |
| | 30-May-18 | 0.78 | <1.0 | 370 | 1,200 |
| | 19-Feb-18 | <1.0 | <1.0 | 330 | 1,240 |
| | 4-Dec-17 | 0.825 | 0.460 | 321 | 1,030 |
| | 23-Aug-17 | 0.684 | <0.300 | 325 | 1,170 |
| | 2-Jun-17 | 0.913 | 0.236 | 328 | 1,170 |
| | 6-Mar-17 | 1.07 | <0.300 | 330 | 1,210 |
| | 29-Nov-16 | 1.84 | <0.300 | 346 | 1,200 |
| | 1-Sep-16 | 0.731 | <0.937 | 344 | 1,210 |
| | 1-Jun-16 | 0.949 | <2.24 | 341 | 1,250 |
| | 23-Feb-16 | 0.789 | <1.18 | 352 | 1,140 |
| | 1-Dec-15 | 0.917 | <1.18 | 341 | 1,140 |
| | 25-Aug-15 | 0.774 | <1.18 | 340 | 1,110 |
| | 18-May-15 | 1.78 | <1.18 | 350 | 1,120 |
| | 27-Feb-15 | 1.87 | <1.80 | 327 | 1,200 |
| | 19-Nov-14 | 2.10 | <1.80 | 333 | 1,220 |
| | 26-Aug-14 | 1.96 | 48.3 | 319 | 1,290 |
| | 22-May-14 | 2.18 | <1.80 | 337 | 1,160 |
| | 26-Feb-14 | 1.87 | <1.66 | 336 | 1,180 |
| | 26-Nov-13 | 1.95 | 2.10 | 341 | 1,160 |
| | 20-Aug-13 | 1.77 | 3.50 | 337 | 1,200 |
| | 14-May-13 | 1.73 | <1.66 | 319 | 1,170 |
| | 15-Feb-13 | 1.72 | <1.72 | 332 | 1,170 |
| | 9-Nov-12 | <0.0290 | <1.72 | 315 | 1,170 |
| | 8-Aug-12 | 1.15 | 2.66 | 333 | 1,134 |
| | 1-May-12 | 0.750 | <1.72 | 282 | 1,180 |
| | 16-Feb-12 | <0.500 | <2.17 | 341 | 1,200 |
| | 8-Nov-11 | <0.500 | <2.17 | 331 | 730 |
| | 2-Aug-11 | <0.100 | <2.17 | 331 | 1,340 |
| | 25-Apr-11 | <0.500 | <2.17 | 339 | 1,280 |
| | 28-Jan-11 | 0.580 | <2.17 | 276 | 970 |
| | 1-Oct-10 | 4.50 | <10.0 | 312 | 1,280 |
| | 27-Jun-10 | 0.72 | <1.0 | 320 | 1,270 |
| | 6-Mar-10 | 0.13 | <0.3 | 350 | 1,230 |
| | 16-Jan-10 | 0.42 | <0.3 | 340 | 1,250 |
| | 15-Sep-09 | 0.65 | <0.3 | 310 | 1,215 |
| | 3-Jun-09 | 0.82 | <0.2 | 330 | 1,280 |
| | 14-Mar-09 | 0.70 | <0.2 | 340 | 1,240 |

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Sampled | Nitrate as N (mg/l) | TKN (mg/l) | Chloride (mg/l) | TDS (mg/l) |
|---|---|---|---|---|---|
| 42-13 | 11-Aug-23 | 36 | <5.0 | 1,000 | 3,230 |
| | 9-May-23 | 11 | <2.0 | 900 | 3,060 |
| | 10-Feb-23 | 15 | <2.0 | 1,000 | 3,250 |
| | 9-Nov-22 | 16 | <2.0 | 980 | 3,270 |
| | 10-Aug-22 | 16 | <2.0 | 950 | 3,290 |
| | 10-May-22 | 21 | <5.0 | 940 | 3,380 |
| | 16-Feb-22 | 16 | <2.0 | 1,000 | 3,330 |
| | 8-Nov-21 | 16 | <2.0 | 1,000 | 3,310 |
| | 11-Aug-21 | 20 | <5.0 | 1,000 | 3,330 |
| | 11-May-21 | 20 | <2.0 | 1,000 | 3,340 |
| | 17-Feb-21 | 39 | <5.0 | 1,100 | 3,510 |
| | 16-Nov-20 | 48 | <5.0 | 1,100 | 3,670 |
| | 18-Aug-20 | 69 | <1.0 | 1,000 | 3,710 |
| | 22-May-20 | 42 | <5.0 | 950 | 3,390 |
| | 11-Feb-20 | 41 | <5.0 | 990 | 3,520 |
| | 22-Nov-19 | 33 | <1.0 | 1,000 | 3,570 |
| | 16-Aug-19 | Not Sampled - Water level below pump | | | |
| | 29-May-19 | Not Sampled - Water level below pump | | | |
| | 6-Mar-19 | 54 | <5.0 | 910 | 3,510 |
| | 4-Dec-18 | Not Sampled - Water level below pump | | | |
| | 22-Aug-18 | 43 | <5.0 | 1,000 | 3,470 |
| | 29-May-18 | 61 | <5.0 | 970 | 3,590 |
| | 21-Feb-18 | 57 | <5.0 | 1,000 | 3,540 |
| | 1-Dec-17 | 48.0 | <0.300 | 1,090 | 3,240 |
| | 23-Aug-17 | Pump Not Operational | | | |
| | 2-Jun-17 | Pump Not Operational | | | |
| | 6-Mar-17 | 43.6 | 0.374 | 838 | 3,410 |
| | 28-Nov-16 | 43.5 | <0.300 | 839 | 3,340 |
| | 31-Aug-16 | Not Sampled - Water level below pump | | | |
| | 1-Jun-16 | Not Sampled - Water level below pump | | | |
| | 23-Feb-16 | Not Sampled - Water level below pump | | | |
| | 1-Dec-15 | Not Sampled - Water level below pump | | | |
| | 26-Aug-15 | 49.3 | <1.18 | 756 | 3,480 |
| | 18-May-15 | 50.6 | <1.18 | 830 | 3,340 |
| | 26-Feb-15 | 49.0 | <1.80 | 781 | 3,420 |
| | 18-Nov-14 | 54.6 | <1.80 | 855 | 3,360 |
| | 27-Aug-14 | 77.9 | 2.10 | 927 | 3,490 |
| | 22-May-14 | 50.9 | <1.80 | 873 | 3,560 |
| | 26-Feb-14 | 50.0 | <1.66 | 871 | 3,340 |
| | 26-Nov-13 | 49.8 | 3.50 | 895 | 3,260 |
| | 15-Aug-13 | 59.9 | 3.50 | 891 | 3,380 |
| | 14-May-13 | 49.7 | <1.66 | 809 | 3,320 |
| | 15-Feb-13 | 54.3 | <1.72 | 855 | 3,430 |
| | 9-Nov-12 | 52.2 | <1.72 | 835 | 3,250 |
| | 8-Aug-12 | 62.3 | <1.72 | 871 | 3,110 |
| | 1-May-12 | 81.5 | <1.72 | 902 | 3,550 |
| | 16-Feb-12 | 99.1 | <2.17 | 1,020 | 3,880 |
| | 9-Nov-11 | 61.5 | <2.17 | 901 | 3,160 |
| | 2-Aug-11 | 106 | <2.17 | 1,900 | 3,280 |
| | 25-Apr-11 | 55.9 | <2.17 | 1,000 | 3,600 |
| | 28-Jan-11 | 52.6 | <2.17 | 868 | 3,720 |
| | 29-Sep-10 | 44.5 | <10.0 | 833 | 3,360 |
| | 27-Jun-10 | 48 | <5.0 | 1,000 | 3,810 |
| | 6-Mar-10 | Not Sampled | | | |
| | 16-Jan-10 | 46.3 | <0.3 | 1,130 | 3,810 |
| | 15-Sep-09 | 54.8 | 0.5 | 1,100 | 3,940 |
| | 3-Jun-09 | 51.6 | <0.2 | 1,110 | 3,775 |
| | 14-Mar-09 | 51.0 | 0.6 | 1,040 | 3,735 |

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Sampled | Nitrate as N (mg/l) | TKN (mg/l) | Chloride (mg/l) | TDS (mg/l) |
|---|---|---|---|---|---|
| **Dominguez** | | | | | |
| 624-01 | 17-Aug-23 | 18 | <2.0 | 880 | 2,750 |
| | 12-May-23 | 12 | <2.0 | 850 | 2,680 |
| | 16-Feb-23 | 13 | <2.0 | 860 | 2,770 |
| | 11-Nov-22 | 12 | <2.0 | 840 | 2,880 |
| | 12-Aug-22 | 12 | <2.0 | 920 | 2,820 |
| | 12-May-22 | 19 | <2.0 | 750 | 2,550 |
| | 18-Feb-22 | 6.1 | <1.0 | 670 | 2,340 |
| | 10-Nov-21 | 4.5 | <1.0 | 650 | 2,220 |
| | 27-Aug-21 | 10 | <2.0 | 700 | 2,400 |
| | 14-May-21 | 6.7 | <1.0 | 560 | 1,960 |
| | 18-Feb-21 | 3.1 | 2.5 | 540 | 1,950 |
| | 13-Nov-20 | 4.3 | <1.0 | 540 | 1,990 |
| | 17-Aug-20 | 3.7 | <1.0 | 500 | 1,910 |
| | 15-May-20 | 6.6 | <1.0 | 520 | 1,980 |
| | 12-Feb-20 | 8.7 | <1.0 | 510 | 2,050 |
| | 15-Nov-19 | 13 | <2.0 | 550 | 2,190 |
| | 13-Aug-19 | 9.2 | <1.0 | 660 | 2,390 |
| | 20-May-19 | 12 | <2.0 | 910 | 2,860 |
| | 28-Feb-19 | 11 | <2.0 | 1,000 | 3,170 |
| | 20-Nov-18 | 16 | <5.0 | 630 | 2,180 |
| | 29-Aug-18 | 9.9 | <1.0 | 990 | 3,700 |
| | 22-May-18 | 13 | <2.0 | 1,000 | 3,240 |
| | 14-Feb-18 | 13 | <2.0 | 940 | 3,110 |
| | 14-Nov-17 | 12.7 | <0.300 | 979 | 2,750 |
| | 15-Aug-17 | 14.8 | <0.300 | 1,050 | 3,080 |
| | 23-May-17 | 14.6 | <0.300 | 1,060 | 3,030 |
| | 22-Feb-17 | 15.3 | <0.0501 | 997 | 3,210 |
| | 14-Nov-16 | 11.3 | <0.937 | 1,040 | 3,260 |
| | 19-Aug-16 | 7.25 | <0.937 | 926 | 2,970 |
| | 19-May-16 | 20.6 | <2.24 | 808 | 2,710 |
| | 16-Feb-16 | 11.0 | 1.68 | 744 | 2,480 |
| | 10-Nov-15 | 7.06 | 3.36 | 703 | 2,440 |
| | 7-Aug-15 | 14.0 | <1.18 | 1,010 | 3,110 |
| | 19-May-15 | 16.7 | 1.40 | 750 | 3,070 |
| | 12-Feb-15 | 9.54 | 2.10 | 798 | 2,880 |
| | 17-Nov-14 | 11.2 | <1.80 | 790 | 2,620 |
| | 19-Aug-14 | 11.8 | <1.80 | 794 | 2,590 |
| | 20-May-14 | 23.2 | 4.90 | 1,050 | 3,320 |
| | 25-Feb-14 | 18.6 | <1.66 | 950 | 3,080 |
| | 19-Nov-13 | 23.6 | 2.10 | 1,080 | 3,250 |
| | 14-Aug-13 | 15.4 | 3.50 | 970 | 2,990 |
| | 13-May-13 | 20.8 | <1.66 | 894 | 2,720 |
| | 14-Feb-13 | 15.6 | <1.72 | 827 | 2,980 |
| | 12-Nov-12 | 12.2 | <1.72 | 652 | 2,590 |
| | 9-Aug-12 | 17.4 | 2.80 | 1,080 | 3,550 |
| | 30-Apr-12 | 8.69 | 36.4 | 1,400 | 4,180 |
| | 7-Feb-12 | 10.0 | 9.52 | 1,420 | 3,180 |
| | 4-Nov-11 | 10.8 | 5.60 | 1,430 | 3,460 |
| | 3-Aug-11 | 10.7 | <2.17 | 1,580 | 3,970 |
| | 27-Apr-11 | <0.500 | 30.8 | 1,330 | 4,040 |
| | 25-Jan-11 | 14.0 | <2.17 | 1,280 | 3,760 |
| | 21-Sep-10 | 8.20 | <10.0 | 1,260 | 3,780 |
| | 27-Jun-10 | 11 | <2.0 | 1,600 | 4,520 |
| | 6-Mar-10 | 17.2 | <0.3 | 910 | 2,610 |
| | 16-Jan-10 | 5.5 | 0.4 | 840 | 2,540 |
| | 15-Sep-09 | 6.5 | 0.6 | 760 | 2,455 |
| | 3-Jun-09 | 16.1 | 0.7 | 810 | 2,790 |
| | 14-Mar-09 | 21.9 | 0.3 | 1,190 | 3,305 |

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Sampled | Nitrate as N (mg/l) | TKN (mg/l) | Chloride (mg/l) | TDS (mg/l) |
|---|---|---|---|---|---|
| 624-02 | 17-Aug-23 | 9.8 | <1.0 | 750 | 3,010 |
| | 12-May-23 | 9.3 | <1.0 | 690 | 2,680 |
| | 16-Feb-23 | 9.2 | <1.0 | 640 | 2,720 |
| | 11-Nov-22 | 8.7 | <1.0 | 600 | 2,740 |
| | 12-Aug-22 | 13 | <2.0 | 850 | 3,240 |
| | 12-May-22 | 13 | <2.0 | 800 | 3,430 |
| | 18-Feb-22 | 12 | <2.0 | 830 | 3,240 |
| | 11-Nov-21 | 7.2 | <1.0 | 680 | 2,840 |
| | 27-Aug-21 | 4.1 | <1.0 | 480 | 2,160 |
| | 14-May-21 | 5.6 | <1.0 | 740 | 2,710 |
| | 19-Feb-21 | 3.6 | <1.0 | 650 | 2,320 |
| | 12-Nov-20 | 5.2 | <1.0 | 480 | 2,300 |
| | 17-Aug-20 | 5.4 | <1.0 | 610 | 2,350 |
| | 15-May-20 | 4.3 | <1.0 | 550 | 2,300 |
| | 12-Feb-20 | 4.4 | <1.0 | 480 | 2,210 |
| | 15-Nov-19 | 5.2 | <1.0 | 530 | 2,470 |
| | 13-Aug-19 | 7.7 | <1.0 | 790 | 2,860 |
| | 20-May-19 | 7.4 | <1.0 | 770 | 2,860 |
| | 28-Feb-19 | 8.2 | <1.0 | 950 | 3,130 |
| | 20-Nov-18 | 9.4 | <2.0 | 850 | 3,010 |
| | 29-Aug-18 | 8.9 | <1.0 | 710 | 2,160 |
| | 22-May-18 | 10 | <2.0 | 860 | 3,290 |
| | 14-Feb-18 | 9.1 | <1.0 | 720 | 2,920 |
| | 14-Nov-17 | 8.97 | 0.364 | 706 | 2,780 |
| | 15-Aug-17 | 10.9 | 2.00 | 796 | 3,020 |
| | 23-May-17 | 14.2 | <0.300 | 827 | 3,590 |
| | 22-Feb-17 | 11.7 | <0.0501 | 793 | 3,060 |
| | 14-Nov-16 | 8.58 | <0.937 | 747 | 2,850 |
| | 19-Aug-16 | 6.46 | <0.937 | 692 | 2,590 |
| | 19-May-16 | 18.5 | < 2.24 | 914 | 3,280 |
| | 16-Feb-16 | 10.2 | <1.18 | 785 | 2,800 |
| | 10-Nov-15 | 17.2 | <1.18 | 1,050 | 3,290 |
| | 7-Aug-15 | 15.6 | <1.18 | 801 | 2,710 |
| | 19-May-15 | 17.3 | <1.18 | 859 | 3,020 |
| | 12-Feb-15 | 17.0 | <1.80 | 810 | 3,320 |
| | 18-Nov-14 | 15.6 | <1.80 | 912 | 3,100 |
| | 19-Aug-14 | 13.9 | <1.80 | 995 | 3,380 |
| | 20-May-14 | 12.7 | 2.10 | 1,010 | 3,350 |
| | 25-Feb-14 | 12.4 | <1.66 | 965 | 3,320 |
| | 19-Nov-13 | 12.6 | 9.10 | 969 | 3,200 |
| | 14-Aug-13 | 11.4 | 4.20 | 1,030 | 3,350 |
| | 13-May-13 | 9.98 | <1.66 | 950 | 3,360 |
| | 14-Feb-13 | 9.30 | 2.10 | 1,110 | 3,580 |
| | 12-Nov-12 | 12.7 | <1.72 | 1,170 | 3,830 |
| | 9-Aug-12 | 9.69 | <1.72 | 1,300 | 4,010 |
| | 30-Apr-12 | 16.4 | 4.06 | 1,160 | 3,650 |
| | 7-Feb-12 | 14.8 | <2.17 | 1,200 | 3,720 |
| | 4-Nov-11 | 10.7 | 3.5 | 1,300 | 4,060 |
| | 3-Aug-11 | 12.2 | <2.17 | 1,290 | 3,600 |
| | 27-Apr-11 | 11.6 | 7.70 | 1,340 | 4,170 |
| | 25-Jan-11 | 19.1 | <2.17 | 1,290 | 3,700 |
| | 20-Sep-10 | 19.6 | <10.0 | 1,300 | 4,130 |
| | 27-Jun-10 | 14 | <2.0 | 1,400 | 4,230 |
| | 6-Mar-10 | 23.7 | <0.3 | 1,400 | 3,880 |
| | 16-Jan-10 | 22.6 | 0.4 | 1,300 | 3,630 |
| | 15-Sep-09 | 19.9 | 0.8 | 1,260 | 3,625 |
| | 3-Jun-09 | 29.4 | 0.4 | 1,340 | 3,905 |
| | 14-Mar-09 | 26.5 | 0.4 | 1,240 | 3,655 |

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Sampled | Nitrate as N (mg/l) | TKN (mg/l) | Chloride (mg/l) | TDS (mg/l) |
|---|---|---|---|---|---|
| 624-04 | 28-Jan-20 | Plugged and Abandoned | | | |
| | 15-Nov-19 | Dry | | | |
| | 13-Aug-19 | Dry | | | |
| | 20-May-19 | Dry | | | |
| | 28-Feb-19 | Dry | | | |
| | 20-Nov-18 | Dry | | | |
| | 29-Aug-18 | Dry | | | |
| | 22-May-18 | Dry | | | |
| | 14-Feb-18 | Dry | | | |
| | 14-Nov-17 | Dry | | | |
| | 15-Aug-17 | Dry | | | |
| | 23-May-17 | Dry | | | |
| | 22-Feb-17 | Dry | | | |
| | 14-Nov-16 | Dry | | | |
| | 19-Aug-16 | Dry | | | |
| | 19-May-16 | Dry | | | |
| | 16-Feb-16 | Dry | | | |
| | 10-Nov-15 | Dry | | | |
| | 7-Aug-15 | Dry | | | |
| | 19-May-15 | Dry | | | |
| | 12-Feb-15 | Dry | | | |
| | 18-Nov-14 | Dry | | | |
| | 19-Aug-14 | Dry | | | |
| | 20-May-14 | Dry | | | |
| | 25-Feb-14 | Dry | | | |
| | 19-Nov-13 | Dry | | | |
| | 14-Aug-13 | Dry | | | |
| | 13-May-13 | Dry | | | |
| | 14-Feb-13 | Dry | | | |
| | 12-Nov-12 | Dry | | | |
| | 9-Aug-12 | Dry | | | |
| | 30-Apr-12 | Dry | | | |
| | 7-Feb-12 | Dry | | | |
| | 4-Nov-11 | Dry | | | |
| | 3-Aug-11 | 1.84 | <2.17 | 478 | 2,760 |
| | 27-Apr-11 | 2.60 | 5.74 | 566 | 2,830 |
| | 26-Jan-11 | 3.23 | 2.52 | 747 | 3,480 |
| | 21-Sep-10 | 6.0 | <10.0 | 758 | 3,750 |
| | 27-Jun-10 | 3.7 | 1.4 | 810 | 3,950 |
| | 6-Mar-10 | 4.3 | 0.4 | 890 | 4,050 |
| | 16-Jan-10 | 4.2 | 0.7 | 800 | 3,845 |
| | 15-Sep-09 | 9.3 | 0.8 | 840 | 3,750 |
| | 3-Jun-09 | 16.0 | 0.6 | 520 | 2,900 |
| | 14-Mar-09 | 18.1 | 0.6 | 520 | 2,820 |

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Sampled | Nitrate as N (mg/l) | TKN (mg/l) | Chloride (mg/l) | TDS (mg/l) |
|---|---|---|---|---|---|
| 624-05 | 28-Jan-20 | Plugged and Abandoned | | | |
| | 15-Nov-19 | 11 | <2.0 | 320 | 1,900 |
| | 13-Aug-19 | 8.1 | <1.0 | 380 | 1,970 |
| | 16-May-19 | 7.7 | <5.0 | 370 | 1,850 |
| | 28-Feb-19 | 6.6 | <1.0 | 370 | 1,920 |
| | 20-Nov-18 | Dry | | | |
| | 29-Aug-18 | Dry | | | |
| | 22-May-18 | Dry | | | |
| | 14-Feb-18 | Dry | | | |
| | 14-Nov-17 | Dry | | | |
| | 15-Aug-17 | Dry | | | |
| | 23-May-17 | Dry | | | |
| | 22-Feb-17 | Dry | | | |
| | 14-Nov-16 | Dry | | | |
| | 19-Aug-16 | Dry | | | |
| | 19-May-16 | Dry | | | |
| | 16-Feb-16 | Dry | | | |
| | 10-Nov-15 | Dry | | | |
| | 7-Aug-15 | Dry | | | |
| | 19-May-15 | Dry | | | |
| | 12-Feb-15 | Dry | | | |
| | 18-Nov-14 | Dry | | | |
| | 19-Aug-14 | Dry | | | |
| | 20-May-14 | Dry | | | |
| | 25-Feb-14 | Dry | | | |
| | 19-Nov-13 | Dry | | | |
| | 14-Aug-13 | Dry | | | |
| | 13-May-13 | Dry | | | |
| | 14-Feb-13 | 6.72 | <1.72 | 508 | 2,040 |
| | 12-Nov-12 | 4.82 | <1.72 | 440 | 2,200 |
| | 9-Aug-12 | 4.11 | 1.82 | 472 | 2,050 |
| | 30-Apr-12 | 3.70 | 2.10 | 346 | 1,710 |
| | 7-Feb-12 | 3.38 | <2.17 | 411 | 2,040 |
| | 4-Nov-11 | 2.58 | 4.20 | 385 | 1,980 |
| | 3-Aug-11 | 3.34 | <2.17 | 1,080 | 1,940 |
| | 27-Apr-11 | 3.34 | 4.76 | 424 | 1,840 |
| | 26-Jan-11 | 3.62 | <2.17 | 392 | 1,740 |
| | 21-Sep-10 | 11.9 | <10.0 | 449 | 2,300 |
| | 27-Jun-10 | 27 | < 5.0 | 480 | 2,450 |
| | 6-Mar-10 | 30.5 | 0.4 | 520 | 2,595 |
| | 16-Jan-10 | 21.4 | 0.9 | 520 | 2,605 |
| | 15-Sep-09 | 34.8 | 1.0 | 530 | 2,620 |
| | 3-Jun-09 | 33.8 | 1.3 | 500 | 2,650 |
| | 14-Mar-09 | 23.9 | 1.2 | 490 | 2,565 |

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Sampled | Nitrate as N (mg/l) | TKN (mg/l) | Chloride (mg/l) | TDS (mg/l) |
|---|---|---|---|---|---|
| 624-06 | 28-Jan-20 | Plugged and Abandoned | | | |
| | 15-Nov-19 | Dry | | | |
| | 13-Aug-19 | Dry | | | |
| | 20-May-19 | Dry | | | |
| | 28-Feb-19 | Dry | | | |
| | 20-Nov-18 | Dry | | | |
| | 29-Aug-18 | Dry | | | |
| | 22-May-18 | Dry | | | |
| | 14-Feb-18 | Dry | | | |
| | 14-Nov-17 | Dry | | | |
| | 15-Aug-17 | Dry | | | |
| | 23-May-17 | Dry | | | |
| | 22-Feb-17 | Dry | | | |
| | 14-Nov-16 | Dry | | | |
| | 19-Aug-16 | Dry | | | |
| | 19-May-16 | Dry | | | |
| | 16-Feb-16 | Dry | | | |
| | 10-Nov-15 | Dry | | | |
| | 7-Aug-15 | Dry | | | |
| | 19-May-15 | Dry | | | |
| | 12-Feb-15 | Dry | | | |
| | 18-Nov-14 | Dry | | | |
| | 19-Aug-14 | Dry | | | |
| | 20-May-14 | Dry | | | |
| | 25-Feb-14 | Dry | | | |
| | 19-Nov-13 | Dry | | | |
| | 14-Aug-13 | Dry | | | |
| | 13-May-13 | Dry | | | |
| | 14-Feb-13 | 31.5 | <1.72 | 1,150 | 3,600 |
| | 12-Nov-12 | 28.3 | <1.72 | 1,060 | 3,840 |
| | 9-Aug-12 | 30.8 | 7.56 | 1,080 | 3,420 |
| | 30-Apr-12 | 31.1 | 8.40 | 1,010 | 3,300 |
| | 7-Feb-12 | 30.9 | 6.30 | 1,080 | 3,020 |
| | 4-Nov-11 | 29.5 | 8.68 | 1,040 | 2,860 |
| | 3-Aug-11 | 29.8 | <2.17 | 1,080 | 3,240 |
| | 27-Apr-11 | 29.0 | 3.50 | 1,050 | 3,180 |
| | 26-Jan-11 | 29.1 | 2.94 | 1,080 | 2,760 |
| | 21-Sep-10 | 26.7 | <10.0 | 1,060 | 3,270 |
| | 27-Jun-10 | 30 | <5.0 | 1,100 | 3,570 |
| | 6-Mar-10 | 28.3 | <0.3 | 1,250 | 3,550 |
| | 16-Jan-10 | 52.2 | 0.6 | 2,100 | 3,545 |
| | 15-Sep-09 | 27.8 | 0.7 | 1,150 | 3,425 |
| | 3-Jun-09 | 38.3 | 0.8 | 70 | 4,300 |
| | 14-Mar-09 | 36.5 | 0.3 | 1,300 | 3,800 |

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Sampled | Nitrate as N (mg/l) | TKN (mg/l) | Chloride (mg/l) | TDS (mg/l) |
|---|---|---|---|---|---|
| 624-07 | 28-Jan-20 | Plugged and Abandoned | | | |
| | 15-Nov-19 | Dry | | | |
| | 13-Aug-19 | Dry | | | |
| | 20-May-19 | Dry | | | |
| | 28-Feb-19 | Dry | | | |
| | 20-Nov-18 | Dry | | | |
| | 29-Aug-18 | Dry | | | |
| | 22-May-18 | Dry | | | |
| | 14-Feb-18 | Dry | | | |
| | 14-Nov-17 | Dry | | | |
| | 15-Aug-17 | Not Sampled - insufficient water to sample | | | |
| | 23-May-17 | Not Sampled - insufficient water to sample | | | |
| | 22-Feb-17 | Not Sampled - insufficient water to sample | | | |
| | 14-Nov-16 | Not Sampled - insufficient water to sample | | | |
| | 19-Aug-16 | Not Sampled - insufficient water to sample | | | |
| | 19-May-16 | Not Sampled - insufficient water to sample | | | |
| | 16-Feb-16 | Dry | | | |
| | 10-Nov-15 | Not Sampled - insufficient water to sample | | | |
| | 7-Aug-15 | Not Sampled - insufficient water to sample | | | |
| | 19-May-15 | Not Sampled - insufficient water to sample | | | |
| | 12-Feb-15 | Not Sampled - insufficient water to sample | | | |
| | 17-Nov-14 | Dry | | | |
| | 19-Aug-14 | Not Sampled - insufficient water to sample | | | |
| | 20-May-14 | Dry | | | |
| | 26-Feb-14 | Not Sampled - insufficient water to sample | | | |
| | 19-Nov-13 | Dry | | | |
| | 14-Aug-13 | Dry | | | |
| | 13-May-13 | Dry | | | |
| | 14-Feb-13 | Dry | | | |
| | 12-Nov-12 | Dry | | | |
| | 9-Aug-12 | Dry | | | |
| | 30-Apr-12 | Dry | | | |
| | 7-Feb-12 | Not Sampled - insufficient water to sample | | | |
| | 4-Nov-11 | Not Sampled - insufficient water to sample | | | |
| | 3-Aug-11 | 8.01 | <2.17 | 473 | 1,600 |
| | 27-Apr-11 | 19.4 | 3.50 | 539 | 2,290 |
| | 26-Jan-11 | 14.7 | 5.60 | 516 | 1,900 |
| | 21-Sep-10 | 20.5 | <10.0 | 531 | 2,200 |
| | 27-Jun-10 | 61 | <5.0 | 880 | 3,550 |
| | 6-Mar-10 | 43.4 | <0.3 | 1,080 | 3,825 |
| | 16-Jan-10 | 49.5 | 0.5 | 840 | 3,275 |
| | 15-Sep-09 | 50.1 | 0.4 | 960 | 3,280 |
| | 3-Jun-09 | 75.2 | 0.8 | 1,525 | 4,980 |
| | 14-Mar-09 | 54.3 | 0.3 | 1,160 | 3,580 |

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Sampled | Nitrate as N (mg/l) | TKN (mg/l) | Chloride (mg/l) | TDS (mg/l) |
|---|---|---|---|---|---|
| 624-08 | 28-Jan-20 | Plugged and Abandoned | | | |
| | 15-Nov-19 | Dry | | | |
| | 13-Aug-19 | Dry | | | |
| | 16-May-19 | Dry | | | |
| | 28-Feb-19 | Dry | | | |
| | 20-Nov-18 | Dry | | | |
| | 29-Aug-18 | Dry | | | |
| | 22-May-18 | Dry | | | |
| | 14-Feb-18 | Dry | | | |
| | 14-Nov-17 | Dry | | | |
| | 15-Aug-17 | Dry | | | |
| | 23-May-17 | Dry | | | |
| | 22-Feb-17 | Dry | | | |
| | 14-Nov-16 | Dry | | | |
| | 19-Aug-16 | Dry | | | |
| | 19-May-16 | Dry | | | |
| | 16-Feb-16 | Dry | | | |
| | 10-Nov-15 | Dry | | | |
| | 7-Aug-15 | Dry | | | |
| | 19-May-15 | Dry | | | |
| | 12-Feb-15 | Dry | | | |
| | 18-Nov-14 | Dry | | | |
| | 19-Aug-14 | Dry | | | |
| | 20-May-14 | Dry | | | |
| | 26-Feb-14 | Dry | | | |
| | 19-Nov-13 | Dry | | | |
| | 14-Aug-13 | Dry | | | |
| | 13-May-13 | Dry | | | |
| | 14-Feb-13 | Dry | | | |
| | 9-Aug-12 | Dry | | | |
| | 30-Apr-12 | Dry | | | |
| | 7-Feb-12 | Dry | | | |
| | 4-Nov-11 | Dry | | | |
| | 3-Aug-11 | Dry | | | |
| | 27-Apr-11 | 2.45 | 3.50 | 200 | 1,400 |
| | 26-Jan-11 | 1.7 | 8.12 | 222 | 2,940 |
| | 21-Sep-10 | <2.50 | <10.0 | 197 | 1,200 |
| | 27-Jun-10 | 2.0 | <1.0 | 220 | 1,310 |
| | 6-Mar-10 | 0.65 | <0.3 | 280 | 1,330 |
| | 16-Jan-10 | 0.89 | <0.3 | 240 | 1,215 |
| | 15-Sep-09 | 2.3 | 0.3 | 200 | 1,205 |
| | 3-Jun-09 | 1.7 | 0.7 | 210 | 1,280 |
| | 14-Mar-09 | 1.8 | <0.2 | 205 | 1,165 |

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Sampled | Nitrate as N (mg/l) | TKN (mg/l) | Chloride (mg/l) | TDS (mg/l) |
|---|---|---|---|---|---|
| 624-09 | 16-Aug-23 | <1.0 | 1.1 | 240 | 1,360 |
| | 11-May-23 | <1.0 | <1.0 | 250 | 1,470 |
| | 16-Feb-23 | <1.0 | <1.0 | 180 | 1,050 |
| | 14-Nov-22 | <1.0 | <1.0 | 140 | 1,020 |
| | 15-Aug-22 | <0.50 | <1.0 | 140 | 1,180 |
| | 13-May-22 | 2.4 | 1.7 | 270 | 1,700 |
| | 18-Feb-22 | 1.6 | 1.1 | 310 | 1,880 |
| | 10-Nov-21 | 2.8 | 1.5 | 370 | 2,010 |
| | 12-Aug-21 | 2.6 | <2.0 | 380 | 2,070 |
| | 12-May-21 | 6.8 | 1.5 | 440 | 2,420 |
| | 19-Feb-21 | 13 | 11 | 600 | 2,820 |
| | 13-Nov-20 | 1.3 | 3.6 | 260 | 1,440 |
| | 17-Aug-20 | 3.5 | 2.5 | 370 | 1,970 |
| | 14-May-20 | <1.0 | 2.2 | 320 | 1,480 |
| | 13-Feb-20 | <1.0 | <2.0 | 320 | 2,130 |
| 624-10 | 16-Aug-23 | <1.0 | <1.0 | 610 | 2,990 |
| | 11-May-23 | <1.0 | 1.1 | 690 | 3,240 |
| | 16-Feb-23 | <1.0 | <1.0 | 550 | 2,860 |
| | 14-Nov-22 | <1.0 | 1.1 | 510 | 2,760 |
| | 12-Aug-22 | <1.0 | <1.0 | 480 | 2,690 |
| | 12-May-22 | 5.8 | <1.0 | 410 | 2,420 |
| | 18-Feb-22 | 14 | <2.0 | 390 | 2,200 |
| | 10-Nov-21 | 8.9 | 1.7 | 440 | 2,330 |
| | 12-Aug-21 | 19 | 13 | 350 | 2,190 |
| | 12-May-21 | 17 | <2.0 | 420 | 2,320 |
| | 19-Feb-21 | 2.9 | <2.0 | 540 | 2,690 |
| | 13-Nov-20 | 2.3 | 1.4 | 500 | 2,710 |
| | 17-Aug-20 | 5.7 | <2.0 | 520 | 2,700 |
| | 14-May-20 | 2.3 | <2.0 | 490 | 2,640 |
| | 13-Feb-20 | 4.2 | 8.7 | 450 | 2,720 |
| 624-11 | 17-Aug-23 | 8.2 | <1.0 | 1,600 | 4,110 |
| | 12-May-23 | 8.9 | <1.0 | 1,300 | 3,600 |
| | 17-Feb-23 | 10 | <1.0 | 1,200 | 3,500 |
| | 11-Nov-22 | 8.8 | <1.0 | 1,200 | 3,500 |
| | 12-Aug-22 | 9.2 | <1.0 | 1,100 | 3,230 |
| | 12-May-22 | 9.6 | <1.0 | 1,000 | 3,340 |
| | 18-Feb-22 | 9.7 | 1.1 | 1,100 | 3,220 |
| | 11-Nov-21 | 9.8 | <1.0 | 1,000 | 3,330 |
| | 27-Aug-21 | 14 | <2.0 | 1,000 | 3,320 |
| | 14-May-21 | 11 | <2.0 | 1,100 | 3,330 |
| | 19-Feb-21 | 11 | <2.0 | 1,100 | 3,300 |
| | 12-Nov-20 | 11 | 2.2 | 1,100 | 3,200 |
| | 17-Aug-20 | 11 | <2.0 | 1,200 | 3,440 |
| | 15-May-20 | 12 | <2.0 | 1,200 | 3,510 |
| | 13-Feb-20 | 9.2 | 7.0 | 910 | 3,650 |

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Sampled | Nitrate as N (mg/l) | TKN (mg/l) | Chloride (mg/l) | TDS (mg/l) |
|---|---|---|---|---|---|
| **Gonzalez** | | | | | |
| 177-01 | 7-Aug-19 | 16 | <2.0 | 1,500 | 4,260 |
| | 20-May-19 | 18 | <2.0 | 1,600 | 4,230 |
| | 27-Feb-19 | 17 | <2.0 | 1,600 | 4,290 |
| | 15-Nov-18 | 19 | <2.0 | 1,500 | 4,250 |
| | 21-Aug-18 | 17 | <2.0 | 1,400 | 4,350 |
| | 22-May-18 | 19 | <2.0 | 1,500 | 4,260 |
| | 14-Feb-18 | 18 | <2.0 | 1,600 | 4,310 |
| | 10-Nov-17 | 16.2 | 0.750 | 1,400 | 4,130 |
| | 14-Aug-17 | 20.2 | 1.21 | 1,400 | 4,220 |
| | 22-May-17 | 22.5 | <0.0501 | 1,370 | 4,200 |
| | 22-Feb-17 | 24.0 | <0.0501 | 1,380 | 4,330 |
| | 10-Nov-16 | 23.7 | <0.937 | 1,380 | 4,090 |
| | 23-Aug-16 | 23.4 | <0.937 | 1,420 | 4,030 |
| | 20-May-16 | 25.6 | 4.04 | 1,370 | 4,400 |
| | 11-Feb-16 | 28.9 | 1.68 | 1,400 | 4,100 |
| | 11-Nov-15 | 30.3 | <1.18 | 1,370 | 4,260 |
| | 21-Aug-15 | 12.0 | 1.40 | 1,410 | 4,220 |
| | 13-May-15 | 30.4 | <1.18 | 1,370 | 4,160 |
| | 11-Feb-15 | 33.5 | <1.80 | 1,190 | 4,160 |
| | 13-Nov-14 | 34.6 | <1.80 | 1,330 | 3,780 |
| | 18-Aug-14 | 30.5 | 2.80 | 1,100 | 3,780 |
| | 16-May-14 | 33.8 | <1.80 | 1,380 | 3,840 |
| | 21-Feb-14 | 33.7 | <1.66 | 1,310 | 3,870 |
| | 18-Nov-13 | 33.2 | 2.80 | 1,330 | 3,740 |
| | 13-Aug-13 | 32.2 | 4.20 | 1,370 | 3,850 |
| | 15-May-13 | 31.6 | <1.66 | 1,300 | 3,940 |
| | 19-Feb-13 | 28.4 | <1.72 | 1,310 | 3,930 |
| | 13-Nov-12 | 27.7 | <1.72 | 1,190 | 3,780 |
| | 13-Aug-12 | 27.3 | 2.52 | 1,160 | 3,790 |
| | 26-Apr-12 | 28.5 | <1.72 | 1,460 | 3,500 |
| | 6-Feb-12 | 28.1 | <2.17 | 1,180 | 3,650 |
| | 3-Nov-11 | 27.4 | 2.66 | 1,170 | 3,790 |
| | 2-Aug-11 | 26.0 | 2.24 | 1,200 | 4,000 |
| | 4-May-11 | 26.6 | <2.17 | 1,160 | 4,020 |
| | 25-Jan-11 | 23.3 | 4.06 | 1,160 | 3,540 |
| | 20-Sep-10 | 17.6 | 12.7 | 1,120 | 3,480 |
| | 29-Jun-10 | 34 | <1.0 | 1,200 | 3,660 |
| | 28-Apr-10 | 31 | <5.0 | 1,200 | 3,680 |
| | 20-Jan-10 | 32 | <5.0 | 1,200 | 3,640 |
| | 21-Oct-09 | 35 | <5.0 | 1,100 | 3,700 |
| | 7-Jul-09 | 35 | <5.0 | 1,400 | 3,700 |
| | 6-May-09 | 34 | <5.0 | 1,300 | 3,700 |
| | 22-Jan-09 | 33 | <5.0 | 1,300 | 3,700 |

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Sampled | Nitrate as N (mg/l) | TKN (mg/l) | Chloride (mg/l) | TDS (mg/l) |
|---|---|---|---|---|---|
| 177-02 | 7-Aug-19 | 7.7 | <1.0 | 290 | 1,590 |
| | 20-May-19 | 9.8 | <2.0 | 380 | 1,800 |
| | 27-Feb-19 | 15 | <2.0 | 580 | 2,380 |
| | 15-Nov-18 | 7.3 | <1.0 | 280 | 1,590 |
| | 21-Aug-18 | 15 | 2.2 | 590 | 2,480 |
| | 22-May-18 | 4.7 | <1.0 | 200 | 1,460 |
| | 14-Feb-18 | 7.4 | <1.0 | 330 | 1,940 |
| | 10-Nov-17 | 7.89 | 0.901 | 247 | 1,820 |
| | 14-Aug-17 | 24.5 | <0.0500 | 1,050 | 3,300 |
| | 22-May-17 | 27.4 | <0.0501 | 1,010 | 3,090 |
| | 22-Feb-17 | 25.0 | 0.389 | 911 | 2,960 |
| | 10-Nov-16 | 20.4 | 1.14 | 894 | 2,800 |
| | 23-Aug-16 | 21.9 | <0.937 | 967 | 2,980 |
| | 20-May-16 | 22.1 | <2.24 | 798 | 3,040 |
| | 11-Feb-16 | 24.4 | <1.18 | 847 | 2,820 |
| | 11-Nov-15 | 20.3 | <1.18 | 824 | 2,800 |
| | 21-Aug-15 | 18.2 | <1.18 | 797 | 2,840 |
| | 13-May-15 | 17.3 | 1.40 | 923 | 2,980 |
| | 12-Feb-15 | 17.5 | <1.80 | 835 | 3,160 |
| | 14-Nov-14 | 16.3 | <1.80 | 931 | 2,930 |
| | 18-Aug-14 | 17.1 | <1.80 | 864 | 2,810 |
| | 16-May-14 | 43.0 | <1.80 | 803 | 2,980 |
| | 21-Feb-14 | 67.9 | <1.66 | 725 | 3,180 |
| | 18-Nov-13 | 111 | 2.80 | 682 | 3,150 |
| | 13-Aug-13 | 30.7 | 4.20 | 794 | 3,020 |
| | 15-May-13 | 27.6 | <1.66 | 910 | 3,000 |
| | 19-Feb-13 | 29.3 | <1.72 | 902 | 3,100 |
| | 13-Nov-12 | 35.8 | <1.72 | 870 | 3,320 |
| | 13-Aug-12 | 47.4 | 7.70 | 899 | 3,650 |
| | 26-Apr-12 | 36.0 | <1.72 | 881 | 2,960 |
| | 6-Feb-12 | 37.0 | <2.17 | 958 | 3,320 |
| | 3-Nov-11 | 32.7 | <2.17 | 971 | 3,450 |
| | 3-Aug-11 | 34.4 | 2.80 | 997 | 3,340 |
| | 4-May-11 | 38.1 | 2.52 | 1,050 | 3,580 |
| | 25-Jan-11 | 31.6 | 3.36 | 1,050 | 3,640 |
| | 20-Sep-10 | 78.0 | <10.0 | 964 | 3,630 |
| | 29-Jun-10 | 58 | <1.0 | 1,000 | 3,830 |
| | 28-Apr-10 | 60 | <5.0 | 1,100 | 3,860 |
| | 20-Jan-10 | 59 | <5.0 | 1,200 | 4,020 |
| | 21-Oct-09 | 50 | <5.0 | 1,200 | 4,000 |
| | 7-Jul-09 | 56 | <5.0 | 1,300 | 4,000 |
| | 6-May-09 | 52 | <5.0 | 1,200 | 4,000 |
| | 22-Jan-09 | 72 | <5.0 | 1,300 | 4,000 |

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Sampled | Nitrate as N (mg/l) | TKN (mg/l) | Chloride (mg/l) | TDS (mg/l) |
|---|---|---|---|---|---|
| 177-03A | 13-Aug-19 | 14 | <2.0 | 670 | 2,800 |
| | 20-May-19 | 15 | <2.0 | 690 | 2,670 |
| | 27-Feb-19 | 14 | <2.0 | 680 | 2,770 |
| | 20-Nov-18 | 12 | <2.0 | 590 | 2,700 |
| | 21-Aug-18 | 2.9 | <1.0 | 400 | 1,800 |
| | 22-May-18 | 13 | <2.0 | 700 | 2,650 |
| | 15-Feb-18 | 3.70 | <1.0 | 510 | 1,770 |
| | 10-Nov-17 | 2.76 | 2.29 | 455 | 2,010 |
| | 15-Aug-17 | 8.78 | 1.58 | 526 | 2,860 |
| | 22-May-17 | 7.50 | 0.362 | 601 | 2,440 |
| | 23-Feb-17 | 7.69 | <0.0501 | 693 | 2,670 |
| | 11-Nov-16 | 7.30 | <0.937 | 333 | 2,540 |
| | 24-Aug-16 | 14.9 | <0.937 | 1,130 | 3,990 |
| | 20-May-16 | 5.41 | <2.24 | 768 | 2,620 |
| | 12-Feb-16 | 16.9 | <1.18 | 1,270 | 4,220 |
| | 11-Nov-15 | 5.67 | <1.18 | 821 | 2,760 |
| | 21-Aug-15 | 6.35 | <1.18 | 745 | 2,600 |
| | 14-May-15 | 9.94 | <1.18 | 871 | 2,900 |
| | 11-Feb-15 | 17.7 | <1.80 | 1,020 | 3,880 |
| | 13-Nov-14 | 0.993 | <1.80 | 486 | 1,780 |
| | 19-Aug-14 | 10.9 | <1.80 | 859 | 2,720 |
| | 19-May-14 | 11.4 | <1.80 | 950 | 3,220 |
| | 24-Feb-14 | 15.6 | 2.10 | 1,160 | 3,900 |
| | 18-Nov-13 | 14.3 | 2.10 | 1,150 | 3,490 |
| | 13-Aug-13 | 17.1 | 2.80 | 1,230 | 4,120 |
| | 15-May-13 | 16.0 | <1.66 | 1,150 | 3,530 |
| | 18-Feb-13 | 15.5 | <1.72 | 1,290 | 3,900 |
| | 13-Nov-12 | 12.2 | <1.72 | 1,150 | 3,900 |
| | 13-Aug-12 | 7.86 | <1.72 | 835 | 2,810 |
| | 26-Apr-12 | 1.16 | <1.72 | 378 | 1,430 |
| | 6-Feb-12 | 2.00 | <2.17 | 452 | 1,580 |
| | 4-Nov-11 | <0.500 | 3.50 | 436 | 1,850 |

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Sampled | Nitrate as N (mg/l) | TKN (mg/l) | Chloride (mg/l) | TDS (mg/l) |
|---|---|---|---|---|---|
| 177-04 | 13-Aug-19 | 14 | <2.0 | 830 | 3,210 |
| | 20-May-19 | 14 | <2.0 | 840 | 3,200 |
| | 27-Feb-19 | 16 | <2.0 | 930 | 3,370 |
| | 20-Nov-18 | 15 | <2.0 | 880 | 3,400 |
| | 21-Aug-18 | 15 | <2.0 | 810 | 3,450 |
| | 22-May-18 | 16 | <2.0 | 900 | 3,590 |
| | 15-Feb-18 | 16 | <2.0 | 1,000 | 3,640 |
| | 10-Nov-17 | 16.2 | 2.46 | 983 | 3,390 |
| | 16-Aug-17 | 17.0 | <0.0500 | 1,090 | 3,700 |
| | 22-May-17 | 16.4 | 0.921 | 1,130 | 3,880 |
| | 23-Feb-17 | 18.0 | <0.0501 | 1,140 | 3,810 |
| | 11-Nov-16 | 14.8 | <0.937 | 1,040 | 4,020 |
| | 24-Aug-16 | 14.5 | <0.937 | 647 | 4,220 |
| | 23-May-16 | 0.329 | <2.24 | 378 | 1,440 |
| | 12-Feb-16 | 49.8 | <1.18 | 1,070 | 4,080 |
| | 11-Nov-15 | 19.3 | 7.28 | 1,360 | 4,080 |
| | 21-Aug-15 | 7.50 | <1.18 | 1,420 | 4,040 |
| | 14-May-15 | 19.4 | <1.18 | 1,330 | 3,910 |
| | 12-Feb-15 | 18.7 | <1.80 | 1,110 | 3,730 |
| | 13-Nov-14 | 22.5 | <1.80 | 1,190 | 3,680 |
| | 19-Aug-14 | 18.2 | <1.80 | 1,150 | 3,830 |
| | 19-May-14 | 17.5 | <1.80 | 1,320 | 3,970 |
| | 24-Feb-14 | 17.6 | <1.66 | 1,290 | 4,020 |
| | 18-Nov-13 | 23.0 | 2.80 | 1,260 | 3,850 |
| | 13-Aug-13 | 19.1 | 2.10 | 1,270 | 3,530 |
| | 15-May-13 | 19.4 | <1.66 | 1,110 | 3,600 |
| | 18-Feb-13 | 20.5 | <1.72 | 1,120 | 3,450 |
| | 13-Nov-12 | 22.3 | <1.72 | 1,070 | 3,630 |
| | 13-Aug-12 | 19.7 | <1.72 | 1,000 | 3,720 |
| | 26-Apr-12 | 21.7 | <1.72 | 1,050 | 3,480 |
| | 2-Feb-12 | 22.5 | <2.17 | 1,100 | 3,650 |
| | 3-Nov-11 | 27.5 | <2.17 | 1,100 | 3,500 |
| | 2-Aug-11 | 21.6 | <2.17 | 1,080 | 3,670 |
| | 4-May-11 | 21.2 | 3.64 | 1,100 | 3,740 |
| | 25-Jan-11 | 17.5 | 2.38 | 1,150 | 3,760 |
| | 20-Sep-10 | 4.83 | <10.0 | 1,180 | 4,030 |
| | 29-Jun-10 | 26 | <1.0 | 1,200 | 4,010 |
| | 28-Apr-10 | 26 | <5.0 | 1,300 | 4,090 |
| | 20-Jan-10 | 27 | <5.0 | 1,400 | 4,090 |
| | 21-Oct-09 | 29 | <5.0 | 1,400 | 4,100 |
| | 7-Jul-09 | 32 | <5.0 | 1,400 | 3,990 |
| | 6-May-09 | 32 | <5.0 | 1,300 | 3,800 |
| | 22-Jan-09 | 26 | <5.0 | 1,200 | 1,700 |

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Sampled | Nitrate as N (mg/l) | TKN (mg/l) | Chloride (mg/l) | TDS (mg/l) |
|---|---|---|---|---|---|
| 177-05 | 13-Aug-19 | 24 | <5.0 | 1,400 | 4,180 |
| | 20-May-19 | 30 | <5.0 | 1,400 | 4,080 |
| | 27-Feb-19 | 24 | <5.0 | 1,400 | 4,090 |
| | 20-Nov-18 | 27 | <5.0 | 1,300 | 4,020 |
| | 21-Aug-18 | 28 | <5.0 | 1,300 | 4,260 |
| | 22-May-18 | 32 | <5.0 | 1,300 | 4,240 |
| | 15-Feb-18 | 33 | <5.0 | 1,600 | 4,380 |
| | 10-Nov-17 | 30.8 | 0.112 | 1,350 | 4,100 |
| | 15-Aug-17 | 36.2 | 0.605 | 1,450 | 4,490 |
| | 22-May-17 | 31.2 | 0.621 | 1,390 | 4,250 |
| | 23-Feb-17 | 50.2 | <0.0501 | 1,170 | 3,550 |
| | 11-Nov-16 | 27.4 | <0.937 | 1,170 | 3,900 |
| | 24-Aug-16 | 25.4 | <0.937 | 1,340 | 3,930 |
| | 20-May-16 | 27.4 | <2.24 | 1,290 | 4,030 |
| | 12-Feb-16 | 17.8 | 3.36 | 1,380 | 3,330 |
| | 11-Nov-15 | 30.8 | 7.28 | 1,230 | 3,840 |
| | 21-Aug-15 | 34.0 | <1.18 | 1,300 | 3,920 |
| | 13-May-15 | 46.5 | <1.18 | 1,110 | 3,440 |
| | 11-Feb-15 | 36.8 | <1.80 | 1,250 | 4,060 |
| | 13-Nov-14 | 56.1 | <1.80 | 1,110 | 3,260 |
| | 19-Aug-14 | 18.1 | <1.80 | 1,680 | 4,800 |
| | 19-May-14 | 35.7 | <1.80 | 1,400 | 4,000 |
| | 24-Feb-14 | 26.6 | <1.66 | 1,600 | 4,460 |
| | 18-Nov-13 | 33.5 | 2.10 | 1,580 | 4,360 |
| | 13-Aug-13 | 30.5 | 2.80 | 1,640 | 4,420 |
| | 15-May-13 | 29.8 | <1.66 | 1,510 | 4,160 |
| | 18-Feb-13 | 32.6 | <1.72 | 1,430 | 3,900 |
| | 13-Nov-12 | 37.1 | <1.72 | 1,240 | 4,050 |
| | 13-Aug-12 | 37.6 | 2.66 | 1,390 | 4,360 |
| | 26-Apr-12 | 47.1 | <1.72 | 1,090 | 3,440 |
| | 2-Feb-12 | 42.2 | <2.17 | 1,170 | 3,590 |
| | 3-Nov-11 | 30.6 | <2.17 | 1,190 | 3,060 |
| | 2-Aug-11 | 36.3 | <2.17 | 1,120 | 3,420 |
| | 4-May-11 | 40.6 | 5.60 | 1,090 | 3,500 |
| | 25-Jan-11 | 39.2 | 2.10 | 1,060 | 3,240 |
| | 20-Sep-10 | 7.39 | <10.0 | 1,050 | 3,500 |
| | 29-Jun-10 | 39 | <1.0 | 1,100 | 3,470 |
| | 28-Apr-10 | 40 | <5.0 | 1,200 | 3,460 |
| | 20-Jan-10 | 43 | <5.0 | 1,100 | 3,330 |
| | 21-Oct-09 | 50 | <5.0 | 1,100 | 3,300 |
| | 7-Jul-09 | 38 | <5.0 | 1,200 | 3,270 |
| | 6-May-09 | 40 | <5.0 | 1,100 | 3,100 |
| | 22-Jan-09 | 40 | <5.0 | 1,100 | 3,000 |

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Sampled | Nitrate as N (mg/l) | TKN (mg/l) | Chloride (mg/l) | TDS (mg/l) |
|---|---|---|---|---|---|
| 177-06 | 13-Aug-19 | Dry | | | |
| | 8-May-19 | Dry | | | |
| | 27-Feb-19 | Dry | | | |
| | 20-Nov-18 | Dry | | | |
| | 21-Aug-18 | Dry | | | |
| | 22-May-18 | Dry | | | |
| | 15-Feb-18 | Dry | | | |
| | 10-Nov-17 | Dry | | | |
| | 14-Aug-17 | Dry | | | |
| | 22-May-17 | Dry | | | |
| | 23-Feb-17 | Dry | | | |
| | 11-Nov-16 | Dry | | | |
| | 24-Aug-16 | Dry | | | |
| | 23-May-16 | Dry | | | |
| | 12-Feb-16 | Dry | | | |
| | 11-Nov-15 | Dry | | | |
| | 21-Aug-15 | Dry | | | |
| | 13-May-15 | Dry | | | |
| | 11-Feb-15 | Dry | | | |
| | 13-Nov-14 | Dry | | | |
| | 13-Aug-14 | Dry | | | |
| | 13-Aug-14 | Dry | | | |
| | 13-Aug-14 | Dry | | | |
| | 19-May-14 | Dry | | | |
| | 24-Feb-14 | Dry | | | |
| | 21-Nov-13 | 24.1 | 14.0 | 1,080 | 3,110 |
| | 18-Nov-13 | Not Sampled - insufficient water to sample | | | |
| | 13-Aug-13 | Not Sampled - insufficient water to sample | | | |
| | 15-May-13 | Not Sampled - insufficient water to sample | | | |
| | 18-Feb-13 | 17.4 | <1.72 | 963 | 3,000 |
| | 13-Nov-12 | 16.1 | <1.72 | 918 | 3,020 |
| | 26-Apr-12 | Dry | | | |
| | 2-Feb-12 | 16.1 | 4.76 | 934 | 2,940 |
| | 7-Dec-11 | 15.1 | <2.17 | 892 | 2,760 |
| | 2-Aug-11 | 16.1 | <2.17 | 910 | 3,020 |
| | 4-May-11 | 17.2 | 4.90 | 955 | 2,930 |
| | 25-Jan-11 | 19.2 | <2.05 | 923 | 2,740 |
| | 20-Sep-10 | <2.50 | <10.0 | 890 | 2,880 |
| | 29-Jun-10 | 23 | <1.0 | 940 | 2,960 |
| | 28-Apr-10 | 21 | <5.0 | 980 | 2,960 |
| | 20-Jan-10 | 26 | <5.0 | 1,000 | 2,910 |
| | 21-Oct-09 | 25 | <5.0 | 980 | 2,900 |
| | 7-Jul-09 | 25 | <5.0 | 1,000 | 2,850 |
| | 6-May-09 | 25 | <5.0 | 1,000 | 2,800 |
| | 22-Jan-09 | 23 | <5.0 | 960 | 2,800 |

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Sampled | Nitrate as N (mg/l) | TKN (mg/l) | Chloride (mg/l) | TDS (mg/l) |
|---|---|---|---|---|---|
| 177-07 | 15-Mar-03 | 44.4 | 1.5 | 1,205 | 4,007 |
| 177-07R | 7-Aug-19 | 22 | <5.0 | 790 | 3,000 |
| | 20-May-19 | 23 | <5.0 | 850 | 3,030 |
| | 27-Feb-19 | 25 | <5.0 | 860 | 3,110 |
| | 20-Nov-18 | 25 | <5.0 | 840 | 3,170 |
| | 21-Aug-18 | 26 | <5.0 | 920 | 3,380 |
| | 22-May-18 | 28 | <5.0 | 1,000 | 3,490 |
| | 14-Feb-18 | 28 | <5.0 | 1,000 | 3,500 |
| | 10-Nov-17 | 30.2 | <0.0500 | 1,070 | 3,330 |
| | 14-Aug-17 | 32.6 | <0.0500 | 1,100 | 3,680 |
| | 22-May-17 | 29.5 | <0.0501 | 1,080 | 3,680 |
| | 23-Feb-17 | 38.5 | <0.0501 | 1,070 | 3,550 |
| | 11-Nov-16 | 35.2 | <0.937 | 1,020 | 3,560 |
| | 23-Aug-16 | 40.0 | <0.937 | 2,250 | 3,650 |
| | 23-May-16 | 42.1 | <2.24 | 1,040 | 3,580 |
| | 11-Feb-16 | 39.5 | <1.18 | 1,100 | 3,600 |
| | 11-Nov-15 | 37.1 | 12.9 | 1,110 | 3,480 |
| | 21-Aug-15 | 35.0 | <1.18 | 1,170 | 3,600 |
| | 14-May-15 | 45.1 | <1.18 | 1,130 | 3,580 |
| | 12-Feb-15 | 46.9 | <1.80 | 1,070 | 3,510 |
| | 14-Nov-14 | 45.3 | <1.80 | 1,070 | 3,250 |
| | 19-Aug-14 | 28.2 | <1.80 | 980 | 3,120 |
| | 19-May-14 | 22.7 | 2.10 | 895 | 2,910 |
| | 24-Feb-14 | 22.7 | <1.66 | 903 | 3,080 |
| | 18-Nov-13 | 21.5 | 2.10 | 911 | 3,060 |
| | 13-Aug-13 | 30.3 | 2.80 | 1,010 | 3,540 |
| | 15-May-13 | 29.2 | <1.66 | 1,000 | 3,420 |
| | 19-Feb-13 | 31.0 | <1.72 | 976 | 3,360 |
| | 13-Nov-12 | 31.0 | <1.72 | 1,040 | 3,570 |
| | 13-Aug-12 | 26.5 | <1.72 | 1,040 | 3,670 |
| | 26-Apr-12 | 22.8 | <1.72 | 1,010 | 2,690 |
| | 6-Feb-12 | 28.5 | 5.60 | 1,060 | 2,730 |
| | 4-Nov-11 | 29.3 | 2.66 | 1,050 | 2,830 |
| | 3-Aug-11 | 25.2 | 2.80 | 1,050 | 3,250 |
| | 7-Apr-11 | 21.4 | 2.52 | 1,070 | 8,660 |
| **NMWQCC Standard** | | **10** | **NA** | **250** | **1,000** |
| **Existing Conditions - August 2020** | | **NA** | **NA** | **1,800** | **1,598** |
| **Existing Conditions - Pre-August 2020*** | | **NA** | **NA** | **1,015** | **3,178** |

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Sampled | Nitrate as N (mg/l) | TKN (mg/l) | Chloride (mg/l) | TDS (mg/l) |
|---|---|---|---|---|---|
| **Central Area** | | | | | |
| **Buena Vista Dairy II** | | | | | |
| 74-01 | 18-Aug-23 | 31 | <5.0 | 790 | 2,830 |
| | 15-May-23 | 43 | <5.0 | 770 | 2,950 |
| | 17-Feb-23 | 29 | <5.0 | 770 | 2,980 |
| | 15-Nov-22 | 27 | <5.0 | 800 | 2,980 |
| | 16-Aug-22 | 25 | <5.0 | 800 | 3,000 |
| | 13-May-22 | 15 | <2.0 | 780 | 3,020 |
| | 22-Feb-22 | 7.2 | <1.0 | 850 | 2,940 |
| | 12-Nov-21 | 17 | <2.0 | 880 | 3,130 |
| | 7-Sep-21 | 35 | <5.0 | 900 | 3,410 |
| | 17-May-21 | 11 | <2.0 | 980 | 3,590 |
| | 22-Feb-21 | 8.6 | 3.6 | 1,100 | 3,940 |
| | 17-Nov-20 | 5.9 | 3.9 | 1,200 | 9,800 |
| | 21-Aug-20 | 17 | <2.0 | 820 | 2,790 |
| | 18-May-20 | 66 | <5.0 | 1,100 | 3,570 |
| | 14-Feb-20 | 72 | <5.0 | 1,200 | 4,050 |
| | 19-Nov-19 | 68 | <5.0 | 1,100 | 3,960 |
| | 14-Aug-19 | 24 | <5.0 | 820 | 2,910 |
| | 21-May-19 | 39 | <5.0 | 850 | 3,110 |
| | 28-Feb-19 | 52 | <5.0 | 930 | 3,460 |
| | 16-Nov-18 | 65 | <5.0 | 1,100 | 3,820 |
| | 29-Aug-18 | 64 | <5.0 | 1,100 | 3,000 |
| | 23-May-18 | 34 | <5.0 | 790 | 3,140 |
| | 19-Feb-18 | 49 | <5.0 | 960 | 3,290 |
| | 14-Nov-17 | 41.5 | <0.0500 | 871 | 3,100 |
| | 16-Aug-17 | 56.7 | <0.0500 | 1,030 | 3,590 |
| | 26-May-17 | 26.2 | <0.0501 | 756 | 2,810 |
| | 24-Feb-17 | 35.2 | <0.300 | 799 | 3,060 |
| | 14-Nov-16 | 46.8 | <0.937 | 702 | 3,360 |
| | 24-Aug-16 | 60.2 | <0.937 | 1,000 | 3,690 |
| | 25-May-16 | 51.1 | <2.24 | 739 | 3,060 |
| | 18-Feb-16 | 32.1 | <1.18 | 763 | 2,840 |
| | 12-Nov-15 | 15.9 | 12.3 | 725 | 2,630 |
| | 24-Aug-15 | 67.4 | <1.18 | 902 | 3,360 |
| | 19-May-15 | 59.2 | 2.80 | 784 | 3,060 |
| | 13-Feb-15 | 59.9 | <1.80 | 812 | 3,160 |
| | 19-Nov-14 | 23.9 | <1.80 | 891 | 2,930 |
| | 20-Aug-14 | 76.2 | <1.80 | 866 | 3,480 |
| | 20-May-14 | 62.6 | 2.10 | 816 | 3,080 |
| | 3-Mar-14 | 57.2 | 2.10 | 855 | 3,200 |
| | 19-Nov-13 | 63.6 | 4.20 | 898 | 3,210 |
| | 21-Aug-13 | 63.9 | 2.80 | 829 | 3,180 |
| | 16-May-13 | 72.3 | <1.66 | 816 | 3,090 |
| | 19-Feb-13 | 59.1 | <1.72 | 840 | 3,140 |
| | 14-Nov-12 | 94.2 | 8.40 | 963 | 3,510 |
| | 10-Aug-12 | 78.6 | 3.50 | 922 | 2,150 |
| | 3-May-12 | 65.3 | <1.72 | 778 | 3,265 |
| | 8-Feb-12 | Not Sampled | | | |
| | 3-Nov-11 | 64.6 | <2.17 | 811 | 2,830 |
| | 1-Aug-11 | 73.2 | <2.17 | 770 | 3,040 |
| | 26-Apr-11 | 67.8 | <2.17 | 730 | 3,300 |
| | 25-Jan-11 | 41.7 | 13.0 | 738 | 2,960 |
| | 17-Sep-10 | 36.7 | <10.0 | 695 | 2,760 |
| | 29-Jun-10 | 74 | <1.0 | 850 | 3,350 |
| | 24-Mar-10 | 70 | ND | 840 | 3,070 |
| | 14-Dec-09 | 84 | 0.14 | 750 | 2,480 |
| | 1-Sep-09 | 92 | ND | 730 | 2,914 |
| | 2-Jun-09 | 33.2 | ND | 650 | 2,632 |
| | 3-Mar-09 | 43.8 | ND | 735 | 2,666 |

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Sampled | Nitrate as N (mg/l) | TKN (mg/l) | Chloride (mg/l) | TDS (mg/l) |
|---|---|---|---|---|---|
| 74-02 | 18-Aug-23 | <1.0 | 1.4 | 650 | 2,540 |
| | 12-May-23 | 1.3 | 2.2 | 650 | 2,500 |
| | 17-Feb-23 | 4.3 | 1.3 | 670 | 2,440 |
| | 14-Nov-22 | <1.0 | 1.8 | 620 | 2,460 |
| | 15-Aug-22 | <0.50 | 1.8 | 680 | 2,480 |
| | 13-May-22 | <1.0 | 2.2 | 630 | 2,430 |
| | 22-Feb-22 | <1.0 | 2.2 | 650 | 2,360 |
| | 11-Nov-21 | <1.0 | 3.4 | 600 | 2,470 |
| | 7-Sep-21 | <0.50 | 2.2 | 690 | 2,550 |
| | 14-May-21 | <1.0 | 7.8 | 650 | 3,220 |
| | 22-Feb-21 | <1.0 | 4.2 | 650 | 9,470 |
| | 17-Nov-20 | 30 | 13 | 510 | 18,900 |
| | 21-Aug-20 | 44 | <5.0 | 600 | 2,410 |
| | 15-May-20 | 43 | <5.0 | 610 | 2,430 |
| | 14-Feb-20 | 43 | <5.0 | 640 | 2,540 |
| | 19-Nov-19 | 37 | <5.0 | 640 | 2,630 |
| | 14-Aug-19 | 38 | <5.0 | 560 | 2,310 |
| | 21-May-19 | 37 | <5.0 | 600 | 2,380 |
| | 28-Feb-19 | 36 | <5.0 | 560 | 2,400 |
| | 15-Nov-18 | 31 | <5.0 | 550 | 2,230 |
| | 23-Aug-18 | 27 | <5.0 | 490 | 2,220 |
| | 23-May-18 | 33 | <5.0 | 560 | 2,360 |
| | 15-Feb-18 | 26 | <5.0 | 640 | 2,260 |
| | 14-Nov-17 | 23.5 | <0.0500 | 521 | 2,110 |
| | 15-Aug-17 | 23.5 | <0.0500 | 539 | 2,100 |
| | 25-May-17 | 25.6 | <0.0501 | 548 | 2,470 |
| | 24-Feb-17 | 33.4 | <0.300 | 587 | 2,240 |
| | 14-Nov-16 | 34.4 | 7.95 | 603 | 2,440 |
| | 24-Aug-16 | 37.6 | <0.937 | 581 | 2,480 |
| | 25-May-16 | 40.7 | <2.24 | 593 | 2,480 |
| | 18-Feb-16 | 29.9 | <1.18 | 592 | 2,420 |
| | 11-Nov-15 | 22.5 | 14.0 | 562 | 2,120 |
| | 24-Aug-15 | 26.1 | <1.18 | 566 | 2,270 |
| | 19-May-15 | 20.7 | 1.40 | 527 | 2,180 |
| | 13-Feb-15 | 23.5 | <1.80 | 519 | 2,300 |
| | 19-Nov-14 | 28.6 | <1.80 | 572 | 2,230 |
| | 20-Aug-14 | 29.8 | <1.80 | 567 | 2,360 |
| | 20-May-14 | 25.7 | 2.10 | 579 | 2,230 |
| | 3-Mar-14 | 24.7 | <1.66 | 588 | 2,260 |
| | 20-Nov-13 | 28.8 | 2.10 | 625 | 2,340 |
| | 21-Aug-13 | 20.0 | 2.80 | 564 | 2,220 |
| | 16-May-13 | 15.5 | <1.66 | 549 | 2,120 |
| | 19-Feb-13 | 13.9 | <1.72 | 525 | 1,900 |
| | 14-Nov-12 | 12.7 | 2.10 | 484 | 2,150 |
| | 10-Aug-12 | 14.0 | 2.10 | 532 | 2,060 |
| | 3-May-12 | 16.4 | <1.72 | 495 | 1,980 |
| | 8-Feb-12 | 15.2 | 5.46 | 519 | 2,150 |
| | 3-Nov-11 | 26.3 | <2.17 | 558 | 2,510 |
| | 29-Jul-11 | 52.8 | 2.24 | 630 | 2,710 |
| | 26-Apr-11 | 93.2 | <2.17 | 831 | 3,610 |
| | 25-Jan-11 | 65.7 | 2.80 | 824 | 3,670 |
| | 17-Sep-10 | 30.6 | <10.0 | 665 | 2,400 |
| | 29-Jun-10 | 45 | <1.0 | 730 | 2,780 |
| | 24-Mar-10 | 20.6 | ND | 810 | 2,612 |
| | 14-Dec-09 | 14.6 | 0.14 | 770 | 2,452 |
| | 1-Sep-09 | 17.3 | 0.7 | 760 | 2,474 |
| | 2-Jun-09 | 17.6 | 0.84 | 820 | 4,866 |
| | 3-Mar-09 | 45.1 | ND | 1,265 | 4,556 |

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Sampled | Nitrate as N (mg/l) | TKN (mg/l) | Chloride (mg/l) | TDS (mg/l) |
|---|---|---|---|---|---|
| 74-03 | 18-Aug-23 | <1.0 | <1.0 | 210 | 1,260 |
| | 12-May-23 | <1.0 | <1.0 | 250 | 1,670 |
| | 17-Feb-23 | 2.7 | <1.0 | 300 | 1,690 |
| | 14-Nov-22 | 1.2 | <1.0 | 220 | 1,490 |
| | 15-Aug-22 | 0.61 | <1.0 | 240 | 1,360 |
| | 13-May-22 | <1.0 | <1.0 | 200 | 1,240 |
| | 22-Feb-22 | <1.0 | <1.0 | 250 | 1,340 |
| | 11-Nov-21 | <1.0 | <1.0 | 230 | 1,420 |
| | 27-Aug-21 | <1.0 | <1.0 | 240 | 1,570 |
| | 14-May-21 | <1.0 | <1.0 | 250 | 1,440 |
| | 22-Feb-21 | <1.0 | <1.0 | 260 | 1,500 |
| | 17-Nov-20 | <0.50 | <1.0 | 250 | 1,460 |
| | 19-Aug-20 | <1.0 | <1.0 | 240 | 1,570 |
| | 15-May-20 | <1.0 | <1.0 | 260 | 1,570 |
| | 14-Feb-20 | <1.0 | <2.0 | 260 | 1,510 |
| | 19-Nov-19 | <1.0 | <2.0 | 230 | 1,550 |
| | 14-Aug-19 | <1.0 | <2.0 | 260 | 1,520 |
| | 21-May-19 | <1.0 | <1.0 | 260 | 1,390 |
| | 28-Feb-19 | <1.0 | <1.0 | 250 | 1,550 |
| | 15-Nov-18 | 1.0 | <1.0 | 300 | 1,760 |
| | 23-Aug-18 | 1.2 | <1.0 | 360 | 1,900 |
| | 23-May-18 | 1.4 | <1.0 | 430 | 2,000 |
| | 15-Feb-18 | 1.4 | <1.0 | 530 | 2,100 |
| | 14-Nov-17 | 1.21 | 0.0626 | 548 | 2,340 |
| | 15-Aug-17 | 0.187 | 1.35 | 514 | 2,150 |
| | 25-May-17 | 0.941 | 0.187 | 641 | 2,640 |
| | 24-Feb-17 | 0.209 | <0.300 | 668 | 2,520 |
| | 14-Nov-16 | 1.25 | <0.937 | 654 | 2,500 |
| | 24-Aug-16 | 3.36 | 2.27 | 728 | 2,590 |
| | 25-May-16 | 0.646 | <2.24 | 693 | 2,780 |
| | 18-Feb-16 | <0.194 | <1.18 | 804 | 2,920 |
| | 12-Nov-15 | <0.194 | 3.36 | 1,000 | 3,480 |
| | 24-Aug-15 | <0.194 | <1.18 | 1,190 | 3,960 |
| | 19-May-15 | 1.02 | 1.40 | 1,310 | 4,300 |
| | 13-Feb-15 | 1.07 | <1.80 | 1,260 | 4,330 |
| | 19-Nov-14 | 2.06 | <1.80 | 1,380 | 4,390 |
| | 20-Aug-14 | 2.77 | <1.80 | 1,240 | 4,380 |
| | 20-May-14 | 3.51 | 2.10 | 1,230 | 4,000 |
| | 3-Mar-14 | 5.75 | <1.66 | 1,220 | 4,140 |
| | 20-Nov-13 | 10.7 | 2.80 | 1,200 | 4,070 |
| | 21-Aug-13 | 5.62 | 3.50 | 1,230 | 4,100 |
| | 16-May-13 | 7.88 | <1.66 | 1,160 | 3,920 |
| | 19-Feb-13 | 2.81 | <1.72 | 1,250 | 4,480 |
| | 14-Nov-12 | 1.06 | <1.72 | 1,300 | 4,440 |
| | 10-Aug-12 | 2.25 | <1.72 | 1,450 | 4,900 |
| | 3-May-12 | 9.92 | <1.72 | 1,330 | 3,920 |
| | 8-Feb-12 | 11.0 | <2.17 | 1,420 | 4,170 |
| | 3-Nov-11 | 27.6 | <2.17 | 1,420 | 4,730 |
| | 1-Aug-11 | 15.0 | <2.17 | 1,450 | 4,870 |
| | 26-Apr-11 | 4.17 | <2.17 | 1,480 | 4,690 |
| | 25-Jan-11 | 2.02 | <2.17 | 1,460 | 4,960 |
| | 20-Sep-10 | 21.3 | <10.0 | 1,490 | 4,840 |
| | 29-Jun-10 | 1.5 | <1.0 | 1,400 | 4,630 |
| | 24-Mar-10 | 6.1 | ND | 1,530 | 4,400 |
| | 14-Dec-09 | 14.1 | ND | 1,550 | 4,560 |
| | 1-Sep-09 | 18.9 | ND | 1,630 | 4,734 |
| | 2-Jun-09 | 2.9 | ND | 1,590 | 1,782 |
| | 3-Mar-09 | 2.65 | ND | 1,510 | 4,664 |

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Sampled | Nitrate as N (mg/l) | TKN (mg/l) | Chloride (mg/l) | TDS (mg/l) |
|---|---|---|---|---|---|
| 74-04 | 21-Aug-23 | 13 | <2.0 | 640 | 2,160 |
| | 15-May-23 | 12 | <2.0 | 460 | 1,830 |
| | 21-Feb-23 | 13 | <2.0 | 670 | 2,280 |
| | 15-Nov-22 | 16 | <2.0 | 580 | 2,170 |
| | 16-Aug-22 | 12 | <2.0 | 630 | 2,150 |
| | 16-May-22 | 11 | <2.0 | 590 | 2,080 |
| | 23-Feb-22 | 12 | <2.0 | 730 | 2,300 |
| | 12-Nov-21 | 12 | <2.0 | 620 | 2,280 |
| | 7-Sep-21 | <0.50 | <1.0 | 610 | 2,030 |
| | 17-May-21 | 8.1 | <1.0 | 580 | 2,160 |
| | 22-Feb-21 | 11 | <1.0 | 690 | 2,140 |
| | 17-Nov-20 | <0.50 | 2.2 | 530 | 3,840 |
| | 21-Aug-20 | 11 | <2.0 | 640 | 2,200 |
| | 18-May-20 | 10 | <2.0 | 470 | 1,670 |
| | 14-Feb-20 | 12 | <2.0 | 600 | 2,120 |
| | 20-Nov-19 | 12 | <2.0 | 630 | 2,180 |
| | 14-Aug-19 | 11 | <2.0 | 640 | 2,250 |
| | 21-May-19 | 15 | <2.0 | 490 | 1,890 |
| | 1-Mar-19 | 12 | <2.0 | 600 | 2,140 |
| | 16-Nov-18 | 12 | <2.0 | 620 | 2,140 |
| | 31-Aug-18 | 12 | <2.0 | 590 | 2,140 |
| | 23-May-18 | 12 | <2.0 | 580 | 2,060 |
| | 19-Feb-18 | 9.2 | <1.0 | 500 | 1,960 |
| | 14-Nov-17 | 10.6 | <0.0500 | 532 | 1,840 |
| | 16-Aug-17 | 11.6 | <0.0500 | 569 | 2,020 |
| | 26-May-17 | 18.6 | <0.0501 | 516 | 1,910 |
| | 24-Feb-17 | 11.5 | <0.300 | 555 | 1,920 |
| | 15-Nov-16 | 11.3 | 1.14 | 551 | 2,070 |
| | 25-Aug-16 | 13.1 | <0.937 | 596 | 2,060 |
| | 25-May-16 | 20.0 | <2.24 | 530 | 2,060 |
| | 18-Feb-16 | 12.9 | <1.18 | 582 | 2,010 |
| | 12-Nov-15 | 13.5 | 2.24 | 584 | 2,040 |
| | 24-Aug-15 | 21.7 | <1.18 | 576 | 2,120 |
| | 20-May-15 | 22.4 | <1.18 | 524 | 1,900 |
| | 16-Feb-15 | 13.4 | 2.10 | 491 | 1,520 |
| | 20-Nov-14 | 14.7 | <1.80 | 538 | 2,140 |
| | 21-Aug-14 | 16.3 | <1.80 | 556 | 2,060 |
| | 21-May-14 | 20.1 | <1.80 | 537 | 1,880 |
| | 3-Mar-14 | 18.1 | <1.66 | 565 | 2,080 |
| | 19-Nov-13 | 17.3 | 2.10 | 570 | 1,910 |
| | 22-Aug-13 | 16.4 | 3.50 | 560 | 2,160 |
| | 16-May-13 | 17.6 | <1.66 | 502 | 1,890 |
| | 20-Feb-13 | 18.5 | <1.72 | 499 | 1,960 |
| | 14-Nov-12 | 19.3 | <1.72 | 499 | 2,140 |
| | 10-Aug-12 | 18.8 | <1.72 | 477 | 1,920 |
| | 3-May-12 | 33.6 | <1.72 | 436 | 1,800 |
| | 8-Feb-12 | 31.6 | <2.17 | 473 | 2,020 |
| | 3-Nov-11 | 13.4 | <2.17 | 439 | 1,080 |
| | 29-Jul-11 | 15.3 | <2.17 | 438 | 1,580 |
| | 26-Apr-11 | 12.8 | <2.17 | 451 | 1,820 |
| | 25-Jan-11 | 6.50 | <2.17 | 434 | 1,810 |
| | 20-Sep-10 | 10.6 | <10.0 | 441 | 1,640 |
| | 29-Jun-10 | 15 | <1.0 | 500 | 1,840 |
| | 24-Mar-10 | 11.4 | 0.28 | 570 | 1,792 |
| | 14-Dec-09 | 11.5 | ND | 560 | 1,738 |
| | 1-Sep-09 | 19.3 | ND | 550 | 1,792 |
| | 2-Jun-09 | 7.2 | ND | 570 | 2,024 |
| | 3-Mar-09 | 20.3 | ND | 530 | 1,884 |

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Sampled | Nitrate as N (mg/l) | TKN (mg/l) | Chloride (mg/l) | TDS (mg/l) |
|---|---|---|---|---|---|
| 74-05 | 21-Aug-23 | 16 | <2.0 | 620 | 2,250 |
| | 15-May-23 | 20 | <5.0 | 600 | 2,170 |
| | 21-Feb-23 | 15 | <2.0 | 630 | 2,240 |
| | 15-Nov-22 | 15 | <2.0 | 580 | 2,230 |
| | 16-Aug-22 | 16 | <2.0 | 660 | 2,270 |
| | 16-May-22 | 15 | <2.0 | 680 | 2,210 |
| | 23-Feb-22 | 13 | <2.0 | 660 | 2,190 |
| | 15-Nov-21 | 13 | <2.0 | <0.50 | 2,200 |
| | 31-Aug-21 | 14 | <2.0 | 670 | 2,160 |
| | 17-May-21 | 11 | <2.0 | 790 | 2,280 |
| | 23-Feb-21 | 6.3 | 2.2 | 690 | 2,210 |
| | 17-Nov-20 | <0.50 | 4.2 | 610 | 3,320 |
| | 21-Aug-20 | 14 | <2.0 | 630 | 2,170 |
| | 18-May-20 | 15 | <2.0 | 650 | 2,160 |
| | 14-Feb-20 | 14 | <2.0 | 600 | 2,050 |
| | 20-Nov-19 | 14 | <2.0 | 540 | 2,080 |
| | 13-Aug-19 | 14 | <2.0 | 580 | 2,100 |
| | 21-May-19 | 15 | <2.0 | 580 | 2,160 |
| | 1-Mar-19 | 15 | <2.0 | 590 | 2,140 |
| | 16-Nov-18 | 14 | <2.0 | 560 | 2,070 |
| | 29-Aug-18 | 14 | <2.0 | 560 | 2,890 |
| | 23-May-18 | 14 | <2.0 | 580 | 2,110 |
| | 19-Feb-18 | 14 | <2.0 | 570 | 2,100 |
| | 14-Nov-17 | 12.0 | <0.0500 | 539 | 1,860 |
| | 16-Aug-17 | 12.7 | <0.0500 | 561 | 1,950 |
| | 26-May-17 | 13.4 | <0.0501 | 590 | 2,140 |
| | 24-Feb-17 | 12.8 | <0.300 | 568 | 2,080 |
| | 15-Nov-16 | 12.0 | <0.937 | 560 | 2,020 |
| | 25-Aug-16 | 14.7 | <0.937 | 455 | 2,040 |
| | 25-May-16 | 15.6 | <2.24 | 533 | 2,010 |
| | 18-Feb-16 | 15.3 | 2.24 | 569 | 2,040 |
| | 12-Nov-15 | 15.4 | <1.18 | 561 | 2,020 |
| | 24-Aug-15 | 22.7 | <1.18 | 505 | 2,040 |
| | 20-May-15 | 20.0 | <1.18 | 495 | 1,960 |
| | 16-Feb-15 | 16.9 | <1.80 | 504 | 1,840 |
| | 20-Nov-14 | 17.3 | <1.80 | 493 | 1,890 |
| | 21-Aug-14 | 18.8 | <1.8 | 464 | 1,880 |
| | 21-May-14 | 19.8 | <1.80 | 452 | 1,860 |
| | 25-Feb-14 | 18.3 | <1.66 | 506 | 1,960 |
| | 19-Nov-13 | 18.4 | <1.66 | 493 | 1,840 |
| | 22-Aug-13 | 18.8 | 4.2 | 497 | 1,980 |
| | 16-May-13 | 17.5 | <1.66 | 469 | 1,860 |
| | 20-Feb-13 | 17.8 | <1.72 | 470 | 1,870 |
| | 14-Nov-12 | 17.0 | <1.72 | 219 | 1,900 |
| | 10-Aug-12 | 18.0 | <1.72 | 463 | 1,800 |
| | 3-May-12 | 18.0 | <1.72 | 421 | 1,900 |
| | 8-Feb-12 | 17.4 | <2.17 | 442 | 1,960 |
| | 3-Nov-11 | 17.9 | <2.17 | 442 | 960 |
| | 29-Jul-11 | 23.3 | <2.17 | 449 | 2,000 |
| | 26-Apr-11 | 21.5 | <2.17 | 446 | 1,900 |
| | 25-Jan-11 | 16.5 | <2.17 | 446 | 1,940 |
| | 17-Sep-10 | 17.6 | <10.0 | 439 | 1,880 |
| | 29-Jun-10 | 32 | <1.0 | 520 | 2,070 |
| | 24-Mar-10 | 23.2 | ND | 620 | 1,960 |
| | 14-Dec-09 | 15.9 | ND | 600 | 1,924 |
| | 1-Sep-09 | 25.2 | ND | 540 | 1,964 |
| | 2-Jun-09 | 10.8 | ND | 560 | 2,068 |
| | 3-Mar-09 | 33.2 | ND | 535 | 2,038 |

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Sampled | Nitrate as N (mg/l) | TKN (mg/l) | Chloride (mg/l) | TDS (mg/l) |
|---|---|---|---|---|---|
| **River Valley Dairy** | | | | | |
| 167-01 | 13-Aug-14 | Not Sampled | | | |
| | 23-May-14 | Not Sampled | | | |
| | 28-Feb-14 | Not Sampled | | | |
| | 10-Dec-13 | Not Sampled | | | |
| | 27-Aug-13 | <0.164 | 10.5 | 290 | 1,260 |
| | 17-May-13 | Not Sampled | | | |
| | 20-Feb-13 | Not Sampled | | | |
| | 15-Nov-12 | Not Sampled | | | |
| | 14-Aug-12 | Not Sampled | | | |
| | 2-May-12 | Not Sampled | | | |
| | 30-Jan-12 | Not Sampled | | | |
| | 2-Nov-11 | Not Sampled | | | |
| | 25-Jul-11 | Not Sampled | | | |
| | 28-Apr-11 | <0.500 | 3.92 | 720 | 2,960 |
| | 20-Jan-11 | Not Sampled | | | |
| | 27-Sep-10 | 1.55 | 9.94 | 731 | 2,540 |
| | 28-Jun-10 | Not Sampled | | | |
| | 5-Mar-10 | | | | |
| | 15-Jan-10 | | | | |
| | 14-Sep-09 | | | | |
| | 2-Jun-09 | | | | |
| | 15-Mar-09 | | | | |
| 167-01A | 15-Nov-17 | 0.213 | 0.379 | 325 | 1,930 |
| | 16-Aug-17 | 0.510 | <0.300 | 493 | 2,540 |
| | 23-May-17 | 0.223 | 0.680 | 519 | 2,540 |
| | 27-Feb-17 | 0.168 | 0.974 | 553 | 2,660 |
| | 15-Nov-16 | 1.18 | <0.937 | 540 | 2,600 |
| | 30-Aug-16 | 0.386 | <0.937 | 596 | 5,980 |
| | 24-May-16 | 0.933 | <2.24 | 587 | 2,900 |
| | 17-Feb-16 | <0.194 | <1.18 | 703 | 2,960 |
| | 16-Nov-15 | <0.194 | <1.18 | 669 | 2,920 |
| | 24-Aug-15 | 0.216 | <1.18 | 698 | 2,980 |
| | 20-May-15 | 1.18 | <1.18 | 693 | 3,020 |
| | 16-Feb-15 | 1.18 | <1.80 | 669 | 3,070 |
| | 20-Nov-14 | 1.65 | 19.6 | 539 | 3,260 |
| | 4-Sep-14 | 2.52 | <1.80 | 652 | 3,070 |
| | 23-May-14 | 1.59 | 2.80 | 666 | 2,860 |
| | 28-Feb-14 | 2.03 | <1.66 | 656 | 2,820 |
| | 10-Dec-13 | 2.35 | 2.80 | 643 | 2,720 |
| | 26-Aug-13 | 4.84 | 10.5 | 907 | 3,610 |
| | 17-May-13 | 4.83 | <1.66 | 794 | 3,420 |
| | 20-Feb-13 | 1.10 | <1.72 | 845 | 3,360 |
| | 15-Nov-12 | 4.02 | <1.72 | 778 | 3,440 |
| | 14-Aug-12 | 1.78 | 4.20 | 888 | 3,260 |
| | 2-May-12 | 2.55 | 1.82 | 781 | 3,180 |
| | 30-Jan-12 | 2.54 | 3.50 | 755 | 2,940 |
| | 2-Nov-11 | 11.2 | 4.62 | 1,080 | 3,620 |
| | 25-Jul-11 | 2.13 | 3.92 | 943 | 3,330 |
| | 28-Apr-11 | 4.03 | <2.17 | 1,030 | 3,710 |
| | 20-Jan-11 | 1.26 | 2.1 | 968 | 5,100 |
| | 22-Sep-10 | 1.40 | 3.36 | 1,010 | 3,470 |
| | 28-Jun-10 | 6.07 | 1.1 | 1,050 | 3,710 |
| | 5-Mar-10 | 9.3 | 0.8 | 1,040 | 3,605 |
| | 15-Jan-10 | 5.3 | 0.5 | 1,090 | 3,590 |
| | 14-Sep-09 | 13.4 | 0.6 | 1,040 | 3,530 |
| | 2-Jun-09 | 13.7 | 0.7 | 980 | 3,505 |
| | 15-Mar-09 | 22.2 | 0.2 | 740 | 3,130 |

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Sampled | Nitrate as N (mg/l) | TKN (mg/l) | Chloride (mg/l) | TDS (mg/l) |
|---|---|---|---|---|---|
| 167-02 | 15-Nov-17 | 7.86 | <0.300 | 818 | 2,460 |
| | 16-Aug-17 | 7.76 | <0.300 | 800 | 2,400 |
| | 23-May-17 | 4.69 | <0.0501 | 707 | 2,220 |
| | 27-Feb-17 | 3.63 | <0.300 | 701 | 2,280 |
| | 15-Nov-16 | 2.32 | <0.937 | 539 | 1,990 |
| | 30-Aug-16 | <0.305 | <0.937 | 540 | 1,690 |
| | 24-May-16 | 0.370 | <2.24 | 521 | 1,680 |
| | 17-Feb-16 | <0.194 | <1.18 | 486 | 1,560 |
| | 16-Nov-15 | Dry | | | |
| | 24-Aug-15 | Dry | | | |
| | 20-May-15 | Dry | | | |
| | 16-Feb-15 | 0.878 | <1.80 | 435 | 1,360 |
| | 20-Nov-14 | Dry | | | |
| | 4-Sep-14 | 0.928 | <1.80 | 455 | 1,580 |
| | 18-Jun-14 | Dry | | | |
| | 28-Feb-14 | Dry | | | |
| | 10-Dec-13 | Dry | | | |
| | 23-Aug-13 | Dry | | | |
| | 17-May-13 | Not Sampled | | | |
| | 20-Feb-13 | Not Sampled | | | |
| | 15-Nov-12 | Not Sampled | | | |
| | 14-Aug-12 | Not Sampled | | | |
| | 30-Jan-12 | Not Sampled | | | |
| | 2-Nov-11 | <0.500 | 3.64 | 432 | 650 |
| | 25-Jul-11 | Dry | | | |
| | 28-Apr-11 | <0.500 | 2.94 | 500 | 1,910 |
| | 20-Jan-11 | 0.716 | < 2.05 | 546 | 1,840 |
| | 22-Sep-10 | <0.846 | <10.0 | 610 | 2,100 |
| | 28-Jun-10 | Not Sampled | | | |
| | 5-Mar-10 | | | | |
| | 15-Jan-10 | | | | |
| | 14-Sep-09 | | | | |
| | 2-Jun-09 | | | | |
| | 28-Apr-08 | 7.0 | 0.3 | 780 | 2,580 |

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Sampled | Nitrate as N (mg/l) | TKN (mg/l) | Chloride (mg/l) | TDS (mg/l) |
|---|---|---|---|---|---|
| 167-03 | 15-Nov-17 | 9.61 | <0.300 | 445 | 1,680 |
| | 17-Aug-17 | 10.4 | <0.300 | 456 | 1,830 |
| | 25-May-17 | 9.52 | <0.300 | 431 | 1,820 |
| | 27-Feb-17 | 8.12 | <0.300 | 428 | 1,880 |
| | 15-Nov-16 | 8.38 | 6.25 | 429 | 1,790 |
| | 31-Aug-16 | 9.94 | <0.937 | 465 | 1,840 |
| | 25-May-16 | 10.8 | <2.24 | 442 | 1,940 |
| | 17-Feb-16 | 10.5 | <1.18 | 470 | 1,830 |
| | 16-Nov-15 | 12.7 | 1.68 | 497 | 2,000 |
| | 25-Aug-15 | 13.3 | <1.18 | 496 | 2,020 |
| | 20-May-15 | 12.6 | <1.18 | 478 | 1,940 |
| | 18-Feb-15 | 10.3 | <1.80 | 429 | 1,940 |
| | 24-Nov-14 | 16.2 | <1.80 | 529 | 2,080 |
| | 4-Sep-14 | 17.1 | <1.80 | 534 | 2,220 |
| | 23-May-14 | 16.6 | 2.80 | 440 | 2,200 |
| | 28-Feb-14 | 15.4 | <1.66 | 516 | 2,140 |
| | 10-Dec-13 | 17.6 | <1.66 | 578 | 2,310 |
| | 26-Aug-13 | 19.0 | 2.80 | 587 | 2,440 |
| | 20-May-13 | 16.7 | <1.66 | 543 | 2,140 |
| | 21-Feb-13 | 13.0 | <1.72 | 500 | 1,950 |
| | 15-Nov-12 | 15.0 | <1.72 | 503 | 2,150 |
| | 14-Aug-12 | 16.6 | <1.72 | 500 | 2,350 |
| | 2-May-12 | 17.5 | <1.72 | 499 | 2,220 |
| | 27-Jan-12 | 21.0 | <2.17 | 572 | 2,250 |
| | 2-Nov-11 | 22.0 | <2.17 | 564 | 2,150 |
| | 25-Jul-11 | 18.5 | 6.16 | 543 | 2,250 |
| | 28-Apr-11 | 17.1 | <2.17 | 508 | 2,210 |
| | 20-Jan-11 | 13.2 | 2.24 | 467 | 1,880 |
| | 22-Sep-10 | 9.19 | <10.0 | 472 | 2,120 |
| | 28-Jun-10 | 20.4 | <5.0 | 567 | 2,310 |
| | 5-Mar-10 | 18.4 | <0.3 | 610 | 2,265 |
| | 15-Jan-10 | 13.7 | 0.6 | 620 | 2,015 |
| | 14-Sep-09 | 23.1 | 0.4 | 590 | 2,240 |
| | 2-Jun-09 | 25.0 | 0.5 | 680 | 2,515 |
| | 15-Mar-09 | 30.9 | 0.2 | 760 | 2,615 |

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Sampled | Nitrate as N (mg/l) | TKN (mg/l) | Chloride (mg/l) | TDS (mg/l) |
|---|---|---|---|---|---|
| 167-04 | 15-Nov-17 | 23.7 | <0.300 | 982 | 3,280 |
| | 17-Aug-17 | 26.3 | <0.300 | 1,010 | 3,640 |
| | 25-May-17 | 23.2 | <0.300 | 956 | 3,490 |
| | 27-Feb-17 | 24.0 | <0.300 | 973 | 3,620 |
| | 15-Nov-16 | 24.4 | 6.25 | 811 | 3,540 |
| | 30-Aug-16 | 25.0 | <0.937 | 1,020 | 3,560 |
| | 24-May-16 | 25.9 | <2.24 | 949 | 3,760 |
| | 17-Feb-16 | 27.4 | <1.18 | 998 | 3,740 |
| | 16-Nov-15 | 27.2 | 1.68 | 952 | 3,410 |
| | 25-Aug-15 | 27.0 | <1.18 | 1,040 | 3,860 |
| | 21-May-15 | 25.4 | <1.18 | 1,050 | 3,740 |
| | 18-Feb-15 | 27.7 | <1.80 | 823 | 3,450 |
| | 24-Nov-14 | 29.0 | <1.80 | 908 | 3,520 |
| | 4-Sep-14 | 25.1 | <1.80 | 1,040 | 4,210 |
| | 22-May-14 | 26.5 | 18.2 | 1,010 | 3,600 |
| | 3-Mar-14 | 25.1 | 2.10 | 1,180 | 4,080 |
| | 10-Dec-13 | 23.8 | 2.10 | 1,190 | 4,070 |
| | 26-Aug-13 | 25.5 | 6.30 | 1,090 | 3,900 |
| | 17-May-13 | 4.40 | <1.66 | 796 | 4,170 |
| | 20-Feb-13 | 21.9 | <1.72 | 1,320 | 4,660 |
| | 15-Nov-12 | 7.77 | <1.72 | 1,150 | 4,380 |
| | 14-Aug-12 | 23.2 | 2.10 | 1,110 | 4,540 |
| | 2-May-12 | 18.6 | 13.6 | 1,050 | 4,020 |
| | 27-Jan-12 | 15.6 | 3.50 | 1,500 | 4,840 |
| | 2-Nov-11 | Not Sampled - insufficient water to sample | | | |
| | 26-Jul-11 | 19.3 | 4.62 | 1,270 | 4,560 |
| | 28-Apr-11 | 7.95 | 73.1 | 1,610 | 4,960 |
| | 20-Jan-11 | Not Sampled | | | |
| | 28-Jun-10 | | | | |
| | 5-Mar-10 | | | | |
| | 15-Jan-10 | | | | |
| | 14-Sep-09 | 6.7 | 0.4 | 1,630 | 5,240 |
| | 2-Jun-09 | 8.5 | 0.4 | 1,525 | 5,045 |
| | 15-Mar-09 | 16.4 | 0.2 | 1,570 | 5,210 |
| 167-05 | 15-Nov-17 | 2.56 | 0.573 | 852 | 3,190 |
| | 17-Aug-17 | 3.61 | <0.300 | 831 | 3,390 |
| | 25-May-17 | 3.93 | 1.01 | 767 | 3,100 |
| | 28-Feb-17 | 3.35 | 2.88 | 785 | 3,220 |
| | 16-Nov-16 | 3.57 | 1.70 | 765 | 3,340 |
| | 30-Aug-16 | 2.94 | <0.937 | 806 | 3,400 |
| | 24-May-16 | 5.43 | <2.24 | 741 | 3,220 |
| | 17-Feb-16 | 4.42 | <1.18 | 732 | 2,960 |
| | 13-Nov-15 | 4.28 | 4.48 | 763 | 3,140 |
| | 25-Aug-15 | 3.40 | 2.10 | 756 | 3,100 |
| | 21-May-15 | 6.62 | 1.40 | 688 | 2,880 |
| | 19-Feb-15 | 4.97 | <1.80 | 671 | 3,080 |
| | 20-Nov-14 | 2.62 | <1.80 | 747 | 3,360 |
| | 3-Sep-14 | 4.16 | <1.80 | 709 | 3,240 |
| | 23-May-14 | 3.62 | 3.50 | 764 | 3,010 |
| | 3-Mar-14 | 2.25 | <1.66 | 818 | 3,180 |
| | 10-Dec-13 | 1.58 | 3.50 | 886 | 3,290 |
| | 26-Aug-13 | 4.54 | 3.50 | 767 | 3,400 |
| | 17-May-13 | 23.3 | <1.66 | 1,120 | 3,140 |
| | 21-Feb-13 | 3.73 | <1.72 | 842 | 3,360 |
| | 19-Nov-12 | 2.31 | <1.72 | 805 | 3,480 |
| | 14-Aug-12 | 1.48 | <1.72 | 1,630 | 3,220 |
| | 2-May-12 | 3.50 | 2.24 | 777 | 3,180 |
| | 30-Jan-12 | 4.40 | <2.17 | 808 | 3,140 |
| | 2-Nov-11 | 3.89 | 3.64 | 782 | 2,560 |
| | 26-Jul-11 | 4.41 | 3.22 | 792 | 3,070 |
| | 28-Apr-11 | 12.9 | 2.80 | 976 | 3,630 |
| | 20-Jan-11 | 3.53 | 2.52 | 748 | 2,980 |
| | 23-Sep-10 | 2.70 | <10.0 | 758 | 2,820 |
| | 28-Jun-10 | 4.07 | <1.0 | 789 | 2,930 |
| | 5-Mar-10 | 2.9 | <0.3 | 960 | 2,945 |
| | 15-Jan-10 | 1.8 | <0.3 | 380 | 715 |
| | 14-Sep-09 | 1.9 | 0.4 | 890 | 2,970 |
| | 2-Jun-09 | 1.8 | 0.9 | 850 | 3,005 |
| | 15-Mar-09 | 4.6 | 0.2 | 910 | 3,230 |

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Sampled | Nitrate as N (mg/l) | TKN (mg/l) | Chloride (mg/l) | TDS (mg/l) |
|---|---|---|---|---|---|
| 167-06 | 15-Nov-17 | 15.0 | <0.300 | 565 | 2,230 |
| | 17-Aug-17 | 15.9 | <0.300 | 589 | 2,220 |
| | 25-May-17 | 16.9 | <0.300 | 570 | 2,330 |
| | 27-Feb-17 | 16.3 | <0.300 | 571 | 2,330 |
| | 15-Nov-16 | 15.3 | <0.937 | 354 | 2,310 |
| | 30-Aug-16 | 17.0 | <0.937 | 608 | 2,380 |
| | 24-May-16 | 17.4 | <2.24 | 607 | 2,440 |
| | 17-Feb-16 | 18.8 | <1.18 | 633 | 2,400 |
| | 13-Nov-15 | 19.5 | <1.18 | 650 | 2,550 |
| | 24-Aug-15 | 20.2 | <1.18 | 642 | 2,620 |
| | 20-May-15 | 19.7 | <1.18 | 649 | 2,490 |
| | 16-Feb-15 | 19.1 | <1.80 | 591 | 2,580 |
| | 20-Nov-14 | 21.1 | <1.80 | 702 | 2,900 |
| | 4-Sep-14 | 22.8 | 4.20 | 689 | 2,820 |
| | 22-May-14 | 22.8 | 4.20 | 726 | 2,660 |
| | 28-Feb-14 | 22.1 | <1.66 | 707 | 2,620 |
| | 10-Dec-13 | 20.8 | 6.30 | 744 | 2,740 |
| | 26-Aug-13 | 29.0 | 2.10 | 757 | 2,740 |
| | 20-May-13 | 23.9 | <1.66 | 704 | 2,620 |
| | 20-Feb-13 | 22.8 | <1.72 | 725 | 2,660 |
| | 19-Nov-12 | 23.7 | <1.72 | 718 | 2,980 |
| | 14-Aug-12 | 25.1 | <1.72 | 677 | 2,910 |
| | 2-May-12 | 27.2 | <1.72 | 688 | 2,480 |
| | 30-Jan-12 | 29.1 | <2.17 | 754 | 2,880 |
| | 2-Nov-11 | 35.7 | <2.17 | 716 | 3,390 |
| | 25-Jul-11 | 35.0 | 5.32 | 702 | 2,640 |
| | 28-Apr-11 | 35.4 | <2.17 | 676 | 2,790 |
| | 20-Jan-11 | 29.6 | 2.38 | 634 | 2,560 |
| | 22-Sep-10 | 19.8 | <10.0 | 655 | 2,630 |
| | 28-Jun-10 | 34.8 | 2.35 | 687 | 2,700 |
| | 5-Mar-10 | 30.9 | <0.3 | 730 | 2,730 |
| | 15-Jan-10 | 26.2 | 0.4 | 750 | 2,755 |
| | 14-Sep-09 | 40.4 | <0.3 | 700 | 2,680 |
| | 2-Jun-09 | 31.5 | 0.4 | 790 | 2,715 |
| | 15-Mar-09 | 36.2 | 0.7 | 730 | 2,715 |
| 167-07 | 15-Nov-17 | 0.114 | <0.300 | 130 | 1,340 |
| | 17-Aug-17 | 0.119 | <0.300 | 143 | 1,460 |
| | 23-May-17 | 0.120 | <0.0501 | 140 | 1,210 |
| | 27-Feb-17 | 0.107 | 1.07 | 118 | 1,050 |
| | 15-Nov-16 | 1.26 | <0.937 | 107 | 1,080 |
| | 30-Aug-16 | <0.305 | <0.937 | 123 | 1,370 |
| | 24-May-16 | 0.131 | <2.24 | 93.6 | 1,460 |
| | 17-Feb-16 | <0.0387 | 2.80 | 128 | 1,480 |
| | 13-Nov-15 | <0.0387 | <1.18 | 124 | 1,350 |
| | 24-Aug-15 | <0.194 | <1.18 | 542 | 4,990 |
| | 20-May-15 | <0.0470 | <1.18 | 206 | 1,540 |
| | 19-Feb-15 | <0.0137 | <1.80 | 196 | 1,600 |
| | 20-Nov-14 | <0.126 | <1.80 | 258 | 2,300 |
| | 4-Sep-14 | <0.126 | <1.80 | 609 | 5,680 |
| | 23-May-14 | <0.187 | <1.80 | 209 | 1,490 |
| | 28-Feb-14 | <0.213 | 2.10 | 229 | 1,540 |
| | 10-Dec-13 | 0.960 | 6.30 | 233 | 1,770 |
| | 26-Aug-13 | 2.00 | 4.20 | 681 | 4,770 |
| | 17-May-13 | <0.0420 | <1.66 | 319 | 1,840 |
| | 20-Feb-13 | <0.246 | <1.72 | 446 | 3,640 |
| | 15-Nov-12 | <0.0595 | <1.72 | 498 | 3,280 |
| | 14-Aug-12 | <0.114 | 4.06 | 1,160 | 6,090 |
| | 2-May-12 | 0.0285 | <1.72 | 367 | 1,890 |
| | 30-Jan-12 | <0.500 | <2.17 | 411 | 1,850 |
| | 2-Nov-11 | <0.500 | <2.17 | 366 | 2,460 |
| | 25-Jul-11 | <1.00 | 3.50 | 446 | 4,400 |
| | 28-Apr-11 | <0.500 | <2.17 | 292 | 1,750 |
| | 20-Jan-11 | 0.448 | 2.10 | 239 | 1,280 |
| | 22-Sep-10 | 0.0400 | 2.10 | 268 | 1,590 |
| | 28-Jun-10 | <0.5 | <2.0 | 287 | 1,600 |
| | 5-Mar-10 | 0.16 | <0.3 | 370 | 1,650 |
| | 15-Jan-10 | <0.03 | <0.3 | 250 | 2,065 |
| | 14-Sep-09 | 0.19 | <0.3 | 390 | 1,700 |
| | 2-Jun-09 | 0.11 | 0.4 | 740 | 2,575 |
| | 15-Mar-09 | 0.11 | 0.2 | 1,090 | 3,165 |

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Sampled | Nitrate as N (mg/l) | TKN (mg/l) | Chloride (mg/l) | TDS (mg/l) |
|---|---|---|---|---|---|
| 167-08 | 15-Nov-17 | 0.478 | 0.591 | 1,190 | 6,860 |
| | 17-Aug-17 | 1.28 | <0.300 | 1,190 | 3,650 |
| | 25-May-17 | 0.277 | 0.587 | 1,070 | 3,570 |
| | 28-Feb-17 | 1.06 | 1.14 | 1,100 | 3,670 |
| | 16-Nov-16 | 0.903 | <0.937 | 1,010 | 3,530 |
| | 31-Aug-16 | <0.305 | <0.937 | 1,000 | 3,300 |
| | 25-May-16 | <0.305 | <2.24 | 761 | 3,000 |
| | 17-Feb-16 | <0.194 | <1.18 | 1,050 | 3,480 |
| | 23-Nov-15 | <0.194 | <1.18 | 699 | 2,460 |
| | 25-Aug-15 | Bailer Down Well -Not Sampled | | | |
| | 21-May-15 | <0.0470 | <1.18 | 733 | 2,680 |
| | 24-Feb-15 | <0.0137 | 2.10 | 729 | 2,960 |
| | 24-Nov-14 | <0.126 | <1.80 | 944 | 3,020 |
| | 4-Sep-14 | <0.126 | <1.80 | 726 | 2,840 |
| | 27-May-14 | <0.187 | 2.10 | 777 | 2,920 |
| | 4-Mar-14 | 1.02 | <1.66 | 884 | 3,090 |
| | 10-Dec-13 | Not Sampled | | | |
| | 27-Aug-13 | Not Sampled | | | |
| | 21-May-13 | 1.13 | <1.66 | 723 | 2,820 |
| | 25-Feb-13 | 0.895 | <1.72 | 827 | 2,640 |
| | 15-Nov-12 | Well Damaged - Not Sampled | | | |
| | 14-Aug-12 | 0.192 | <1.72 | 788 | 2,860 |
| | 2-May-12 | 0.399 | <1.72 | 744 | 2,580 |
| | 30-Jan-12 | <0.500 | <2.17 | 805 | 2,440 |
| | 2-Nov-11 | 1.93 | <2.17 | 759 | 2,520 |
| | 26-Jul-11 | 3.77 | 4.20 | 779 | 3,030 |
| | 28-Apr-11 | 3.74 | <2.17 | 793 | 2,740 |
| | 20-Jan-11 | <0.239 | 2.10 | 764 | 2,640 |
| | 23-Sep-10 | 0.250 | <10.0 | 756 | 2,720 |
| | 28-Jun-10 | 5.51 | <0.5 | 804 | 2,990 |
| | 5-Mar-10 | 5.5 | <0.3 | 830 | 2,750 |
| | 15-Jan-10 | 0.84 | <0.3 | 720 | 2,530 |
| | 14-Sep-09 | 2.9 | 0.3 | 640 | 2,380 |
| | 2-Jun-09 | 2.1 | 0.6 | 750 | 2,785 |
| | 15-Mar-09 | 3.2 | 0.2 | 740 | 2,710 |
| 167-09 | 15-Nov-17 | 0.289 | 0.631 | 1,050 | 2,510 |
| | 17-Aug-17 | 0.561 | <0.300 | 874 | 2,940 |
| | 25-May-17 | 0.819 | <0.300 | 748 | 2,830 |
| | 27-Feb-17 | 0.722 | 1.00 | 631 | 2,540 |
| | 15-Nov-16 | 0.991 | <0.937 | 491 | 2,620 |
| | 30-Aug-16 | <0.305 | <0.937 | 670 | 2,680 |
| | 24-May-16 | 1.54 | <2.24 | 631 | 2,570 |
| | 17-Feb-16 | <0.194 | <1.18 | 576 | 2,500 |
| | 13-Nov-15 | <0.194 | <1.18 | 627 | 2,400 |
| | 25-Aug-15 | 2.30 | 1.40 | 563 | 2,480 |
| | 21-May-15 | 4.15 | <1.18 | 602 | 2,440 |
| | 19-Feb-15 | 5.42 | <1.80 | 719 | 2,710 |
| | 20-Nov-14 | 6.31 | 2.80 | 683 | 2,830 |
| | 3-Sep-14 | 10.5 | <1.80 | 680 | 2,980 |
| | 23-May-14 | 10.1 | 3.50 | 721 | 2,800 |
| | 3-Mar-14 | 6.49 | <1.66 | 756 | 2,840 |
| | 10-Dec-13 | 3.82 | 4.90 | 777 | 2,980 |
| | 27-Aug-13 | 6.24 | 5.60 | 772 | 3,320 |
| | 17-May-13 | 10.7 | <1.66 | 726 | 3,050 |
| | 21-Feb-13 | 4.51 | <1.72 | 959 | 3,580 |
| | 19-Nov-12 | 12.8 | <1.72 | 979 | 3,560 |
| | 14-Aug-12 | 8.47 | 2.10 | 916 | 3,760 |
| | 2-May-12 | 14.5 | <1.72 | 1,070 | 4,000 |
| | 30-Jan-12 | 13.2 | 2.80 | 1,010 | 3,590 |
| | 3-Nov-11 | 7.53 | 8.40 | 988 | 3,590 |
| | 26-Jul-11 | <1.00 | 3.78 | 736 | 2,300 |
| | 28-Apr-11 | <0.500 | 2.38 | 467 | 2,140 |
| | 20-Jan-11 | 0.0147 | <2.05 | 429 | 2,160 |
| | 24-Sep-10 | 0.0300 | <10.0 | 432 | 1,500 |
| | 28-Jun-10 | <0.5 | <1.0 | 491 | 2,160 |
| | 5-Mar-10 | 0.05 | <0.3 | 580 | 2,150 |
| | 15-Jan-10 | <0.03 | <0.3 | 500 | 2,250 |
| | 14-Sep-09 | <0.03 | <0.3 | 530 | 2,055 |
| | 2-Jun-09 | 0.04 | 0.7 | 540 | 2,205 |
| | 15-Mar-09 | 0.07 | 0.2 | 630 | 2,400 |

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Sampled | Nitrate as N (mg/l) | TKN (mg/l) | Chloride (mg/l) | TDS (mg/l) |
|---|---|---|---|---|---|
| **Big Sky Dairy** | | | | | |
| 833-01 | 5-Aug-17 | Plugged and Abandoned | | | |
| | 31-May-17 | Dry | | | |
| | 1-Mar-17 | Dry | | | |
| | 17-Nov-16 | Dry | | | |
| | 29-Aug-16 | Dry | | | |
| | 27-May-16 | Dry | | | |
| | 22-Feb-16 | Dry | | | |
| | 18-Nov-15 | Dry | | | |
| | 27-Aug-15 | Dry | | | |
| | 21-May-15 | Dry | | | |
| | 25-Feb-15 | Dry | | | |
| | 25-Nov-14 | Dry | | | |
| | 25-Aug-14 | Dry | | | |
| | 27-May-14 | Dry | | | |
| | 4-Mar-14 | Dry | | | |
| | 6-Nov-13 | Dry | | | |
| | 29-Aug-13 | Dry | | | |
| | 21-May-13 | Dry | | | |
| | 26-Feb-13 | Dry | | | |
| | 19-Nov-12 | Dry | | | |
| | 15-Aug-12 | Dry | | | |
| | 7-May-12 | Dry | | | |
| | 15-Feb-12 | Dry | | | |
| | 1-Nov-11 | Dry | | | |
| | 21-Jul-11 | Dry | | | |
| | 29-Apr-11 | Not Sampled - insufficient water to sample | | | |
| | 24-Jan-11 | 33.6 | 4.20 | 997 | 3,100 |
| | 23-Sep-10 | 29.1 | <10.0 | 881 | 3,300 |
| | 28-Jun-10 | 1.7 | 1.8 | 180 | 790 |
| | 23-Mar-10 | 28.3 | 0.7 | 1,025 | 2,640 |
| | 14-Dec-09 | 21.8 | ND | 975 | 2,800 |
| | 31-Aug-09 | 15.3 | ND | 999 | 2,894 |
| | 1-Jun-09 | 8.6 | ND | 1,030 | 2,382 |
| | 2-Mar-09 | 37.1 | ND | 1,070 | 3,750 |

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Sampled | Nitrate as N (mg/l) | TKN (mg/l) | Chloride (mg/l) | TDS (mg/l) |
|---|---|---|---|---|---|
| 833-02 | 22-Aug-23 | 40 | <5.0 | 1,400 | 3,990 |
| | 16-May-23 | 37 | <5.0 | 1,300 | 3,760 |
| | 22-Feb-23 | 33 | <5.0 | 1,400 | 3,690 |
| | 17-Nov-22 | 72 | <5.0 | 930 | 3,280 |
| | 17-Aug-22 | 89 | <5.0 | 810 | 3,030 |
| | 18-May-22 | 36 | <5.0 | 1,400 | 4,030 |
| | 24-Feb-22 | 53 | <5.0 | 1,200 | 3,580 |
| | 16-Nov-21 | 41 | <5.0 | 1,300 | 3,920 |
| | 17-Aug-21 | 80 | <5.0 | 1,300 | 4,100 |
| | 18-May-21 | 67 | <5.0 | 1,400 | 4,280 |
| | 24-Feb-21 | 59 | <5.0 | 1,300 | 3,920 |
| | 18-Nov-20 | 89 | <5.0 | 1,100 | 3,960 |
| | 24-Aug-20 | 88 | <5.0 | 1,000 | 3,300 |
| | 20-May-20 | 81 | <5.0 | 950 | 3,180 |
| | 17-Feb-20 | 63 | <5.0 | 1,200 | 3,790 |
| | 21-Nov-19 | 100 | <5.0 | 1,000 | 3,520 |
| | 14-Aug-19 | 65 | <5.0 | 1,400 | 4,240 |
| | 22-May-19 | 68 | <5.0 | 1,400 | 4,230 |
| | 4-Mar-19 | 66 | <5.0 | 1,300 | 4,180 |
| | 26-Nov-18 | 62 | <5.0 | 1,300 | 4,240 |
| | 31-Aug-18 | 67 | <5.0 | 1,300 | 4,190 |
| | 29-May-18 | 63 | <5.0 | 1,300 | 4,210 |
| | 21-Feb-18 | 65 | <5.0 | 1,200 | 4,240 |
| | 16-Nov-17 | 66.4 | <0.0500 | 1,300 | 3,730 |
| | 1-Sep-17 | 90.2 | <0.0500 | 977 | 3,140 |
| | 30-May-17 | 71.2 | <0.0501 | 1,340 | 4,380 |
| | 28-Feb-17 | 62.3 | <0.300 | 1,240 | 4,290 |
| | 18-Nov-16 | 68.5 | <0.937 | 1,340 | 4,210 |
| | 29-Aug-16 | 69.5 | <0.937 | 1,360 | 4,360 |
| | 31-May-16 | 79.9 | <2.24 | 1,400 | 4,440 |
| | 22-Feb-16 | 48.0 | <1.18 | 796 | 2,400 |
| | 18-Nov-15 | 74.5 | 4.48 | 1,300 | 4,240 |
| | 27-Aug-15 | 44.5 | 2.80 | 720 | 2,250 |
| | 22-May-15 | 34.5 | <1.18 | 702 | 2,140 |
| | 25-Feb-15 | 50.9 | <1.80 | 780 | 2,820 |
| | 25-Nov-14 | 60.4 | <1.80 | 1,010 | 3,480 |
| | 25-Aug-14 | 24.8 | <1.80 | 528 | 2,090 |
| | 27-May-14 | 27.0 | 2.10 | 563 | 2,140 |
| | 5-Mar-14 | 79.8 | <1.66 | 1,120 | 3,920 |
| | 20-Nov-13 | 65.4 | 2.10 | 884 | 3,060 |
| | 5-Sep-13 | 85.8 | 69.3 | 1,080 | 4,270 |
| | 21-May-13 | 69.2 | <1.66 | 858 | 3,140 |
| | 25-Feb-13 | 97.0 | <1.72 | 1,110 | 3,820 |
| | 19-Nov-12 | 84.3 | 2.10 | 1,030 | 4,020 |
| | 15-Aug-12 | 37.5 | 2.94 | 535 | 2,440 |
| | 7-May-12 | 43.3 | 65.1 | 635 | 2,420 |
| | 15-Feb-12 | 87.2 | 4.34 | 889 | 3,660 |
| | 1-Nov-11 | 82.3 | 2.38 | 885 | 4,010 |
| | 21-Jul-11 | 91.6 | 3.08 | 880 | 3,510 |
| | 29-Apr-11 | 81.6 | 6.02 | 840 | 3,500 |
| | 24-Jan-11 | 69.3 | 2.66 | 789 | 3,090 |
| | 23-Sep-10 | 52.9 | <10.0 | 833 | 3,650 |
| | 28-Jun-10 | 29 | <5.0 | 560 | 2,200 |
| | 23-Mar-10 | 15.9 | ND | 660 | 2,066 |
| | 14-Dec-09 | 11.5 | 0.28 | 650 | 2,018 |
| | 31-Aug-09 | 12.4 | ND | 660 | 2,170 |
| | 1-Jun-09 | <0.5 | ND | 650 | 3,358 |
| | 2-Mar-09 | 3.54 | 13.44 | 585 | 1,978 |

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Sampled | Nitrate as N (mg/l) | TKN (mg/l) | Chloride (mg/l) | TDS (mg/l) |
|---|---|---|---|---|---|
| 833-03 | 5-Aug-17 | Plugged and Abandoned | | | |
| | 30-May-17 | Dry | | | |
| | 1-Mar-17 | Dry | | | |
| | 17-Nov-16 | Dry | | | |
| | 29-Aug-16 | Dry | | | |
| | 27-May-16 | Dry | | | |
| | 22-Feb-16 | Dry | | | |
| | 18-Nov-15 | Dry | | | |
| | 27-Aug-15 | Dry | | | |
| | 21-May-15 | Dry | | | |
| | 25-Feb-15 | Dry | | | |
| | 24-Nov-14 | Dry | | | |
| | 25-Aug-14 | Dry | | | |
| | 27-May-14 | Dry | | | |
| | 3-Mar-14 | Dry | | | |
| | 6-Nov-13 | Dry | | | |
| | 29-Aug-13 | Dry | | | |
| | 21-May-13 | Dry | | | |
| | 25-Feb-13 | Dry | | | |
| | 19-Nov-12 | Dry | | | |
| | 15-Aug-12 | Dry | | | |
| | 3-May-12 | Dry | | | |
| | 15-Feb-12 | Dry | | | |
| | 1-Nov-11 | Dry | | | |
| | 21-Jul-11 | Dry | | | |
| | 4-May-11 | 24.8 | 4.20 | 1,660 | 4,120 |
| | 24-Jan-11 | 30.4 | 2.66 | 1,650 | 4,090 |
| | 23-Sep-10 | 18.1 | <10.0 | 1,410 | 3,880 |
| | 28-Jun-10 | 5.0 | 5.5 | 650 | 1,870 |
| | 23-Mar-10 | 14.0 | ND | 1,750 | 4,044 |
| | 14-Dec-09 | 11.8 | 0.28 | 1,839 | 4,280 |
| | 31-Aug-09 | 8.9 | ND | 1,760 | 4,216 |
| | 1-Jun-09 | 90.4 | ND | 1,620 | 3,060 |
| | 2-Mar-09 | 21.2 | ND | 1,580 | 3,970 |

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Sampled | Nitrate as N (mg/l) | TKN (mg/l) | Chloride (mg/l) | TDS (mg/l) |
|---|---|---|---|---|---|
| 833-04 | 22-Aug-23 | 37 | <5.0 | 900 | 2,970 |
| | 16-May-23 | 29 | <5.0 | 790 | 2,650 |
| | 21-Feb-23 | 37 | <5.0 | 900 | 2,960 |
| | 17-Nov-22 | 35 | <5.0 | 820 | 2,870 |
| | 17-Aug-22 | 21 | <5.0 | 650 | 2,390 |
| | 16-May-22 | 36 | <5.0 | 950 | 3,000 |
| | 24-Feb-22 | 29 | <5.0 | 890 | 2,860 |
| | 15-Nov-21 | 24 | <5.0 | 940 | 2,830 |
| | 17-Aug-21 | 32 | <5.0 | 830 | 2,770 |
| | 17-May-21 | 20 | <5.0 | 680 | 2,410 |
| | 23-Feb-21 | 21 | <5.0 | 740 | 2,350 |
| | 18-Nov-20 | 22 | <5.0 | 620 | 2,510 |
| | 24-Aug-20 | 18 | <2.0 | 690 | 2,240 |
| | 20-May-20 | 18 | <2.0 | 670 | 2,290 |
| | 17-Feb-20 | 20 | <5.0 | 720 | 2,450 |
| | 20-Nov-19 | 31 | <5.0 | 840 | 2,800 |
| | 15-Aug-19 | 40 | <1.0 | 980 | 3,170 |
| | 23-May-19 | 29 | <5.0 | 800 | 2,800 |
| | 4-Mar-19 | 31 | <5.0 | 830 | 2,900 |
| | 26-Nov-18 | 42 | <5.0 | 950 | 3,230 |
| | 4-Sep-18 | 40 | <5.0 | 960 | 3,190 |
| | 24-May-18 | 34 | <5.0 | 910 | 3,010 |
| | 20-Feb-18 | 20 | <5.0 | 680 | 2,390 |
| | 20-Nov-17 | 32.6 | <0.300 | 902 | 2,930 |
| | 31-Aug-17 | 37.3 | <0.0500 | 797 | 2,640 |
| | 30-May-17 | 32.0 | <0.0501 | 880 | 3,000 |
| | 1-Mar-17 | 31.5 | <0.300 | 866 | 3,080 |
| | 18-Nov-16 | 39.8 | <0.937 | 586 | 3,300 |
| | 29-Aug-16 | 40.6 | <0.937 | 977 | 3,160 |
| | 27-May-16 | 21.6 | <2.24 | 781 | 2,660 |
| | 22-Feb-16 | 12.7 | <1.18 | 746 | 2,130 |
| | 19-Nov-15 | 11.8 | 3.36 | 762 | 2,310 |
| | 27-Aug-15 | 26.2 | <1.18 | 835 | 2,580 |
| | 22-May-15 | 15.6 | <1.18 | 766 | 2,290 |
| | 25-Feb-15 | 15.5 | <1.80 | 666 | 2,260 |
| | 25-Nov-14 | 46.6 | <1.80 | 914 | 3,280 |
| | 22-Aug-14 | 10.4 | <1.80 | 677 | 2,230 |
| | 29-May-14 | 23.5 | 5.60 | 780 | 2,670 |
| | 4-Mar-14 | 50.0 | <1.66 | 1,010 | 3,530 |
| | 20-Nov-13 | 12.8 | 2.10 | 711 | 2,280 |
| | 30-Aug-13 | 37.9 | 2.80 | 868 | 3,260 |
| | 21-May-13 | 41.9 | <1.66 | 875 | 3,180 |
| | 25-Feb-13 | 2.45 | <1.72 | 1,050 | 3,600 |
| | 19-Nov-12 | 50.0 | <1.72 | 1,010 | 3,770 |
| | 15-Aug-12 | 32.7 | 2.66 | 783 | 2,680 |
| | 3-May-12 | 24.1 | <1.72 | 623 | 2,920 |
| | 15-Feb-12 | 49.9 | <2.17 | 942 | 3,320 |
| | 1-Nov-11 | 43.4 | <2.17 | 867 | 3,040 |
| | 21-Jul-11 | 45.3 | 2.52 | 883 | 3,410 |
| | 29-Apr-11 | 46.2 | <2.17 | 902 | 3,280 |
| | 24-Jan-11 | 40.9 | <2.05 | 755 | 3,040 |
| | 24-Sep-10 | <50.0 | <10.0 | 915 | 3,480 |
| | 28-Jun-10 | 18 | <2.0 | 500 | 1,830 |
| | 23-Mar-10 | 11.3 | ND | 560 | 1,648 |
| | 14-Dec-09 | 11.2 | 0.42 | 570 | 1,750 |
| | 31-Aug-09 | 16.1 | ND | 630 | 1,986 |
| | 1-Jun-09 | 3.03 | ND | 580 | 1,968 |
| | 2-Mar-09 | 14.6 | ND | 600 | 1,884 |

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Sampled | Nitrate as N (mg/l) | TKN (mg/l) | Chloride (mg/l) | TDS (mg/l) |
|---|---|---|---|---|---|
| 833-05 | 23-Aug-23 | 22 | <5.0 | 1,000 | 2,960 |
| | 3-Jul-23 | 24 | <5.0 | 1,000 | 3,120 |
| | 23-Feb-23 | 30 | <5.0 | 1,300 | 3,300 |
| | 21-Nov-22 | 28 | <5.0 | 1,100 | 3,190 |
| | 18-Aug-22 | 26 | <5.0 | 1,200 | 3,560 |
| | 18-May-22 | 32 | <5.0 | 1,200 | 3,500 |
| | 10-Mar-22 | 45 | <5.0 | 1,200 | 3,490 |
| | 16-Nov-21 | 41 | <5.0 | 1,200 | 3,510 |
| | 17-Aug-21 | 34 | <2.0 | 1,300 | 3,490 |
| | 19-May-21 | 32 | <5.0 | 1,100 | 3,460 |
| | 25-Feb-21 | 45 | <5.0 | 1,300 | 3,460 |
| | 19-Nov-20 | 46 | <5.0 | 1,200 | 3,460 |
| | 25-Aug-20 | 44 | <5.0 | 1,300 | 3,550 |
| | 19-May-20 | 19 | <2.0 | 1,100 | 3,180 |
| | 17-Feb-20 | 46 | <5.0 | 1,300 | 3,620 |
| | 20-Nov-19 | 35 | <5.0 | 1,300 | 3,500 |
| | 15-Aug-19 | 41 | <1.0 | 1,300 | 3,600 |
| | 22-May-19 | 29 | <5.0 | 1,300 | 3,430 |
| | 5-Mar-19 | 46 | <5.0 | 1,200 | 3,520 |
| | 26-Nov-18 | 45 | <5.0 | 1,200 | 3,530 |
| | 31-Aug-18 | 35 | <5.0 | 1,300 | 3,530 |
| | 24-May-18 | 46 | <5.0 | 1,100 | 3,350 |
| | 22-Feb-18 | 42 | <5.0 | 1,200 | 3,530 |
| | 17-Nov-17 | 51.7 | <0.0500 | 931 | 3,330 |
| | 31-Aug-17 | 42.5 | <0.0500 | 1,220 | 3,350 |
| | 31-May-17 | 25.9 | <0.0501 | 1,260 | 3,540 |
| | 1-Mar-17 | 20.9 | <0.300 | 1,290 | 3,320 |
| | 17-Nov-16 | 22.4 | <0.937 | 1,330 | 3,560 |
| | 29-Aug-16 | 21.9 | <0.937 | 1,230 | 3,560 |
| | 26-May-16 | 20.7 | <2.24 | 1,080 | 3,120 |
| | 19-Feb-16 | 22.3 | <1.18 | 1,190 | 3,080 |
| | 18-Nov-15 | 20.9 | <1.18 | 958 | 2,720 |
| | 27-Aug-15 | 22.1 | 2.80 | 833 | 2,350 |
| | 22-May-15 | 19.7 | <1.18 | 999 | 2,680 |
| | 26-Feb-15 | 18.7 | <1.80 | 1,050 | 2,970 |
| | 24-Nov-14 | 19.8 | <1.80 | 992 | 2,680 |
| | 21-Aug-14 | 21.0 | <1.80 | 752 | 2,320 |
| | 29-May-14 | 15.6 | 4.20 | 1,070 | 3,130 |
| | 4-Mar-14 | 18.5 | <1.66 | 1,170 | 3,170 |
| | 25-Nov-13 | 17.8 | 2.80 | 1,060 | 2,900 |
| | 29-Aug-13 | 20.9 | 20.3 | 911 | 2,660 |
| | 21-May-13 | 14.7 | <1.66 | 1,070 | 2,920 |
| | 26-Feb-13 | 16.8 | <1.72 | 1,270 | 3,140 |
| | 20-Nov-12 | 15.0 | 2.10 | 1,070 | 3,100 |
| | 15-Aug-12 | 13.9 | <1.72 | 1,100 | 3,250 |
| | 3-May-12 | 12.8 | <1.72 | 1,030 | 2,790 |
| | 15-Feb-12 | 14.9 | <2.17 | 1,230 | 3,100 |
| | 1-Nov-11 | 12.2 | 2.24 | 1,150 | 2,580 |
| | 21-Jul-11 | 12.0 | 2.66 | 1,210 | 3,180 |
| | 29-Apr-11 | 17.6 | <2.17 | 1,330 | 3,300 |
| | 24-Jan-11 | 23.2 | 2.66 | 1,340 | 3,430 |
| | 24-Sep-10 | 28.9 | <10.0 | 1,330 | 3,800 |
| | 28-Jun-10 | 12 | <2.0 | 1,200 | 3,090 |
| | 23-Mar-10 | 12.2 | ND | 1,240 | 2,942 |
| | 14-Dec-09 | 6.7 | 0.56 | 1,280 | 3,096 |
| | 31-Aug-09 | 9.0 | ND | 1,220 | 3,152 |
| | 1-Jun-09 | 3.43 | ND | 1,230 | 3,026 |
| | 2-Mar-09 | 11 | ND | 1,255 | 3,134 |

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Sampled | Nitrate as N (mg/l) | TKN (mg/l) | Chloride (mg/l) | TDS (mg/l) |
|---|---|---|---|---|---|
| 833-06 | 21-Aug-23 | 14 | <2.0 | 790 | 2,500 |
| | 15-May-23 | 44 | <5.0 | 820 | 2,740 |
| | 21-Feb-23 | 14 | <2.0 | 890 | 2,700 |
| | 17-Nov-22 | 38 | <5.0 | 850 | 2,610 |
| | 17-Aug-22 | 55 | <5.0 | 770 | 2,860 |
| | 16-May-22 | 44 | <5.0 | 890 | 2,840 |
| | 23-Feb-22 | 14 | <2.0 | 880 | 2,560 |
| | 15-Nov-21 | 50 | <5.0 | 820 | 2,850 |
| | 17-Aug-21 | 46 | <5.0 | 860 | 2,680 |
| | 18-May-21 | 46 | <5.0 | 800 | 2,820 |
| | 23-Feb-21 | 23 | <5.0 | 920 | 2,630 |
| | 18-Nov-20 | 53 | <5.0 | 760 | 2,800 |
| | 24-Aug-20 | 70 | <5.0 | 900 | 2,790 |
| | 19-May-20 | 44 | <5.0 | 820 | 2,790 |
| | 17-Feb-20 | 19 | <2.0 | 870 | 2,700 |
| | 20-Nov-19 | 43 | <5.0 | 810 | 2,660 |
| | 15-Aug-19 | 47 | <1.0 | 880 | 2,760 |
| | 23-May-19 | 47 | <5.0 | 840 | 2,740 |
| | 5-Mar-19 | 47 | <5.0 | 780 | 2,710 |
| | 27-Nov-18 | 24 | <5.0 | 820 | 2,660 |
| | 4-Sep-18 | 16 | <2.0 | 670 | 2,260 |
| | 29-May-18 | 11 | <2.0 | 740 | 2,260 |
| | 22-Feb-18 | 15 | <2.0 | 820 | 2,500 |
| | 16-Nov-17 | 16.9 | <0.0500 | 786 | 2,300 |
| | 1-Sep-17 | 18.5 | <0.0500 | 803 | 2,470 |
| | 31-May-17 | 39.9 | <0.0501 | 800 | 2,560 |
| | 1-Mar-17 | 40.4 | <0.300 | 792 | 2,740 |
| | 17-Nov-16 | 43.2 | 3.41 | 809 | 2,680 |
| | 26-Aug-16 | 32.7 | <0.937 | 660 | 2,640 |
| | 27-May-16 | 28.8 | <2.24 | 711 | 2,380 |
| | 22-Feb-16 | 22.0 | <1.18 | 706 | 2,300 |
| | 19-Nov-15 | 51.1 | <1.18 | 752 | 2,560 |
| | 27-Aug-15 | 32.3 | <1.18 | 708 | 2,360 |
| | 22-May-15 | 38.6 | <1.18 | 787 | 2,470 |
| | 24-Feb-15 | 71.9 | <1.80 | 827 | 3,080 |
| | 25-Nov-14 | 46.5 | <1.80 | 836 | 2,710 |
| | 21-Aug-14 | 17.4 | <1.80 | 663 | 2,300 |
| | 29-May-14 | 26.5 | 3.50 | 760 | 2,460 |
| | 4-Mar-14 | 41.9 | <1.66 | 847 | 2,800 |
| | 21-Nov-13 | 27.4 | 3.50 | 771 | 2,490 |
| | 30-Aug-13 | 25.3 | 2.80 | 656 | 2,310 |
| | 20-May-13 | 25.9 | <1.66 | 816 | 2,640 |
| | 25-Feb-13 | 21.6 | <1.72 | 924 | 2,750 |
| | 19-Nov-12 | 24.2 | <1.72 | 920 | 2,840 |
| | 15-Aug-12 | 23.4 | <1.72 | 845 | 2,670 |
| | 3-May-12 | 20.7 | <1.72 | 702 | 2,560 |
| | 14-Feb-12 | 26.4 | <2.17 | 727 | 2,480 |
| | 2-Nov-11 | 28.8 | 3.08 | 688 | 1,900 |
| | 21-Jul-11 | 70.1 | 7.70 | 682 | 2,650 |
| | 4-May-11 | 36.4 | 7.70 | 717 | 2,440 |
| | 20-Jan-11 | 61.0 | 2.80 | 738 | 2,360 |
| | 23-Sep-10 | 64.3 | <10.0 | 761 | 2,680 |
| | 28-Jun-10 | 23 | <5.0 | 630 | 2,310 |
| | 23-Mar-10 | 24.8 | 2.38 | 700 | 2,184 |
| | 14-Dec-09 | 22.7 | 1.68 | 820 | 2,344 |
| | 31-Aug-09 | 25.1 | 1.96 | 790 | 2,708 |
| | 1-Jun-09 | 106 | ND | 680 | 2,280 |
| | 2-Mar-09 | 66.4 | ND | 610 | 2,160 |

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Sampled | Nitrate as N (mg/l) | TKN (mg/l) | Chloride (mg/l) | TDS (mg/l) |
|---|---|---|---|---|---|
| 833-07 | 23-Aug-23 | 96 | <5.0 | 1,400 | 4,620 |
| | 16-May-23 | 92 | <5.0 | 1,300 | 4,450 |
| | 22-Feb-23 | 70 | <5.0 | 1,200 | 3,730 |
| | 18-Nov-22 | 63 | <5.0 | 1,200 | 3,950 |
| | 18-Aug-22 | 91 | <5.0 | 1,200 | 4,420 |
| | 18-May-22 | 92 | <5.0 | 1,100 | 4,170 |
| | 10-Mar-22 | 66 | <1.0 | 1,100 | 3,580 |
| | 16-Nov-21 | 67 | <5.0 | 1,000 | 3,790 |
| | 18-Aug-21 | 70 | <5.0 | 1,100 | 3,700 |
| | 18-May-21 | 65 | <5.0 | 1,000 | 3,680 |
| | 24-Feb-21 | 62 | <5.0 | 1,000 | 3,430 |
| | 19-Nov-20 | 62 | <5.0 | 970 | 3,670 |
| | 25-Aug-20 | 68 | <5.0 | 1,100 | 3,750 |
| | 19-May-20 | 67 | <5.0 | 1,000 | 3,830 |
| | 17-Feb-20 | 68 | <5.0 | 1,100 | 3,440 |
| | 20-Nov-19 | 74 | <5.0 | 1,100 | 3,680 |
| | 15-Aug-19 | 74 | <1.0 | 1,100 | 3,630 |
| | 22-May-19 | 69 | <5.0 | 1,100 | 3,760 |
| | 4-Mar-19 | 65 | <5.0 | 1,100 | 3,680 |
| | 26-Nov-18 | 70 | <5.0 | 1,100 | 3,630 |
| | 31-Aug-18 | 74 | <5.0 | 1,100 | 3,800 |
| | 24-May-18 | 74 | <5.0 | 1,000 | 3,670 |
| | 22-Feb-18 | 63 | <5.0 | 1,000 | 3,760 |
| | 17-Nov-17 | 68.2 | <0.0500 | 808 | 3,540 |
| | 31-Aug-17 | 78.7 | <0.0500 | 1,050 | 3,630 |
| | 30-May-17 | 83.3 | <0.0501 | 1,120 | 4,080 |
| | 1-Mar-17 | 78.0 | <0.300 | 1,140 | 3,990 |
| | 17-Nov-16 | 85.3 | 2.27 | 1,180 | 4,180 |
| | 29-Aug-16 | 92.2 | <0.937 | 1,230 | 5,970 |
| | 27-May-16 | 100 | <2.24 | 1,230 | 4,620 |
| | 18-Feb-16 | 97.4 | <1.18 | 1,260 | 4,540 |
| | 18-Nov-15 | 91.0 | 1.68 | 1,130 | 4,150 |
| | 27-Aug-15 | 88.9 | 2.80 | 1,350 | 4,700 |
| | 22-May-15 | 76.7 | <1.18 | 1,320 | 4,460 |
| | 25-Feb-15 | 86.8 | <1.80 | 1,100 | 4,320 |
| | 24-Nov-14 | 92.5 | <1.80 | 1,190 | 4,300 |
| | 21-Aug-14 | 83.6 | 5.60 | 1,360 | 4,920 |
| | 29-May-14 | 87.0 | 4.90 | 1,380 | 4,760 |
| | 4-Mar-14 | 73.0 | <1.66 | 1,390 | 4,420 |
| | 21-Nov-13 | 78.3 | 2.80 | 1,330 | 4,380 |
| | 29-Aug-13 | 78.4 | 4.90 | 1,330 | 4,420 |
| | 21-May-13 | 88.7 | <1.66 | 1,400 | 4,730 |
| | 26-Feb-13 | 95.5 | <1.72 | 1,470 | 4,500 |
| | 20-Nov-12 | 95.1 | <1.72 | 1,130 | 4,290 |
| | 15-Aug-12 | 99.8 | 2.52 | 1,540 | 5,110 |
| | 7-May-12 | 95.6 | 7.56 | 1,460 | 4,880 |
| | 15-Feb-12 | 90.3 | <2.17 | 1,340 | 4,660 |
| | 1-Nov-11 | 94.2 | <2.17 | 1,090 | 3,840 |
| | 21-Jul-11 | 105 | <2.17 | 115 | 4,090 |
| | 29-Apr-11 | 100 | <2.17 | 1,220 | 4,380 |
| | 24-Jan-11 | 100 | 2.10 | 1,140 | 4,350 |
| | 24-Sep-10 | 129 | <10.0 | 933 | 3,800 |
| | 28-Jun-10 | 69 | <5.0 | 1,300 | 4,160 |
| | 23-Mar-10 | 106 | ND | 1,320 | 3,884 |
| | 14-Dec-09 | 101 | 0.42 | 1,260 | 3,988 |
| | 31-Aug-09 | 74 | 8.68 | 1,180 | 3,978 |
| | 1-Jun-09 | 12.4 | 8.68 | 1,180 | 3,964 |
| | 2-Mar-09 | 33.2 | ND | 1,380 | 3,866 |

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Sampled | Nitrate as N (mg/l) | TKN (mg/l) | Chloride (mg/l) | TDS (mg/l) |
|---|---|---|---|---|---|
| 833-08 | 22-Aug-23 | 67 | <5.0 | 1,000 | 3,300 |
| | 16-May-23 | 49 | <5.0 | 1,100 | 3,210 |
| | 22-Feb-23 | 30 | <5.0 | 1,300 | 3,160 |
| | 18-Nov-22 | 25 | <5.0 | 1,100 | 2,990 |
| | 18-Aug-22 | 47 | <5.0 | 1,200 | 3,650 |
| | 18-May-22 | 45 | <5.0 | 1,200 | 3,740 |
| | 10-Mar-22 | 45 | <5.0 | 1,600 | 4,200 |
| | 16-Nov-21 | 46 | <5.0 | 1,100 | 3,590 |
| | 18-Aug-21 | 11 | <2.0 | 730 | 2,360 |
| | 18-May-21 | 35 | <5.0 | 1,200 | 3,540 |
| | 24-Feb-21 | 36 | <5.0 | 1,300 | 4,010 |
| | 18-Nov-20 | 32 | <5.0 | 850 | 3,450 |
| | 24-Aug-20 | 21 | <5.0 | 880 | 2,650 |
| | 19-May-20 | 38 | <5.0 | 820 | 2,860 |
| | 17-Feb-20 | 49 | <5.0 | 990 | 3,110 |
| | 20-Nov-19 | 43 | <5.0 | 850 | 2,930 |
| | 14-Aug-19 | 46 | <1.0 | 880 | 3,010 |
| | 23-May-19 | 43 | <5.0 | 900 | 2,980 |
| | 5-Mar-19 | 48 | <5.0 | 890 | 3,040 |
| | 27-Nov-18 | 47 | <5.0 | 860 | 2,950 |
| | 4-Sep-18 | 46 | <5.0 | 830 | 2,820 |
| | 24-May-18 | 52 | <5.0 | 840 | 2,980 |
| | 22-Feb-18 | 48 | <5.0 | 890 | 3,030 |
| | 17-Nov-17 | 54.3 | <0.0500 | 631 | 2,970 |
| | 1-Sep-17 | 52.3 | <0.0500 | 917 | 3,250 |
| | 31-May-17 | 67.6 | <0.0501 | 984 | 3,230 |
| | 1-Mar-17 | 70.3 | <0.300 | 960 | 3,350 |
| | 18-Nov-16 | 48.3 | <0.937 | 1,020 | 3,720 |
| | 29-Aug-16 | 25.6 | <0.937 | 1,150 | 3,310 |
| | 27-May-16 | 46.5 | 5.19 | 1,010 | 3,080 |
| | 19-Feb-16 | 52.9 | <1.18 | 1,140 | 3,020 |
| | 18-Nov-15 | 56.9 | <1.18 | 533 | 2,010 |
| | 27-Aug-15 | 55.7 | <1.18 | 569 | 2,360 |
| | 21-May-15 | 66.4 | <1.18 | 620 | 2,460 |
| | 26-Feb-15 | 65.1 | <1.80 | 981 | 3,340 |
| | 24-Nov-14 | 63.7 | <1.80 | 1,130 | 3,320 |
| | 22-Aug-14 | 90.2 | <1.80 | 672 | 2,900 |
| | 27-May-14 | 91.5 | 2.10 | 772 | 3,030 |
| | 4-Mar-14 | 100 | <1.66 | 807 | 3,220 |
| | 21-Nov-13 | 86.3 | <1.66 | 827 | 3,000 |
| | 29-Aug-13 | 79.6 | 4.90 | 971 | 3,300 |
| | 21-May-13 | 80.2 | <1.66 | 953 | 3,320 |
| | 26-Feb-13 | 83.1 | <1.72 | 877 | 2,940 |
| | 20-Nov-12 | 60.8 | <1.72 | 1,070 | 3,580 |
| | 15-Aug-12 | 57.8 | 2.52 | 987 | 3,480 |
| | 3-May-12 | 61.4 | <1.72 | 927 | 3,040 |
| | 15-Feb-12 | 77.6 | <2.17 | 1,020 | 3,200 |
| | 1-Nov-11 | 69.8 | 4.20 | 966 | 3,080 |
| | 21-Jul-11 | 68.8 | <2.17 | 963 | 3,240 |
| | 29-Apr-11 | 75.9 | <2.17 | 950 | 3,330 |
| | 24-Jan-11 | 93.4 | 2.10 | 930 | 3,190 |
| | 23-Sep-10 | 91.8 | <10.0 | 985 | 3,600 |
| | 28-Jun-10 | 35 | <5.0 | 630 | 2,290 |
| | 23-Mar-10 | 33 | ND | 700 | 2,108 |
| | 14-Dec-09 | 31 | ND | 950 | 2,710 |
| | 31-Aug-09 | 63 | ND | 1,020 | 3,576 |
| | 1-Jun-09 | 41.4 | ND | 1,000 | 3,492 |
| | 2-Mar-09 | 121 | ND | 700 | 2,038 |

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Sampled | Nitrate as N (mg/l) | TKN (mg/l) | Chloride (mg/l) | TDS (mg/l) |
|---|---|---|---|---|---|
| 833-09 | 23-Aug-23 | 64 | <5.0 | 780 | 3,560 |
| | 17-May-23 | 110 | <5.0 | 850 | 4,100 |
| | 23-Feb-23 | 100 | <5.0 | 850 | 4,160 |
| | 21-Nov-22 | 130 | <5.0 | 840 | 4,260 |
| | 18-Aug-22 | 190 | <5.0 | 980 | 5,040 |
| | 19-May-22 | 190 | <5.0 | 1,000 | 4,700 |
| | 10-Mar-22 | 120 | <1.0 | 910 | 4,160 |
| | 17-Nov-21 | 110 | <5.0 | 800 | 3,990 |
| | 18-Aug-21 | 150 | <5.0 | 1,100 | 4,340 |
| | 19-May-21 | 19 | <2.0 | 690 | 2,760 |
| | 25-Feb-21 | 21 | <5.0 | 750 | 2,740 |
| | 19-Nov-20 | 21 | <2.0 | 800 | 2,750 |
| | 25-Aug-20 | 24 | <5.0 | 790 | 2,970 |
| | 19-May-20 | 23 | 8.4 | 760 | 2,870 |
| | 18-Feb-20 | 36 | <5.0 | 800 | 3,100 |
| | 21-Nov-19 | 33 | <5.0 | 750 | 3,110 |
| | 14-Aug-19 | 32 | <5.0 | 790 | 3,030 |
| | 22-May-19 | 26 | <5.0 | 790 | 2,930 |
| | 4-Mar-19 | 45 | <5.0 | 760 | 3,130 |
| | 26-Nov-18 | 42 | <5.0 | 790 | 3,140 |
| | 4-Sep-18 | 43 | <5.0 | 810 | 3,140 |
| | 24-May-18 | 43 | <5.0 | 770 | 3,110 |
| | 21-Feb-18 | 55 | <5.0 | 730 | 3,200 |
| | 16-Nov-17 | 59.0 | <0.0500 | 1,190 | 2,740 |
| | 31-Aug-17 | 51.5 | <0.0500 | 701 | 3,190 |
| | 30-May-17 | 59.2 | <0.0501 | 799 | 3,410 |
| | 28-Feb-17 | 65.6 | <0.300 | 779 | 3,440 |
| | 17-Nov-16 | 64.9 | 2.27 | 763 | 3,410 |
| | 26-Aug-16 | 63.3 | <0.937 | 793 | 3,440 |
| | 26-May-16 | 71.8 | <2.24 | 726 | 3,510 |
| | 19-Feb-16 | 112 | <1.18 | 942 | 3,880 |
| | 18-Nov-15 | 109 | <1.18 | 902 | 3,860 |
| | 27-Aug-15 | 92.6 | <1.18 | 861 | 3,580 |
| | 21-May-15 | 123 | <1.18 | 957 | 4,170 |
| | 25-Feb-15 | 136 | <1.80 | 936 | 4,450 |
| | 25-Nov-14 | 137 | <1.80 | 965 | 4,260 |
| | 22-Aug-14 | 64.9 | <1.80 | 759 | 3,240 |
| | 27-May-14 | 85.0 | 6.30 | 868 | 3,790 |
| | 5-Mar-14 | 125 | <1.66 | 998 | 4,430 |
| | 20-Nov-13 | 137 | <1.66 | 1,060 | 4,640 |
| | 29-Aug-13 | 82.2 | 3.50 | 786 | 3,860 |
| | 22-May-13 | 78.1 | <1.66 | 786 | 3,630 |
| | 28-Feb-13 | 101 | <1.72 | 876 | 4,060 |
| | 20-Nov-12 | 89.6 | <1.72 | 731 | 3,760 |
| | 15-Aug-12 | 99.3 | <1.72 | 875 | 3,780 |
| | 7-May-12 | 80.4 | <1.72 | 745 | 3,830 |
| | 15-Feb-12 | 94.8 | <2.17 | 725 | 3,580 |
| | 1-Nov-11 | 93.0 | <2.17 | 779 | 3,880 |
| | 21-Jul-11 | 135 | <2.17 | 1,070 | 4,550 |
| | 4-May-11 | 147 | <2.17 | 1,420 | 5,540 |
| | 25-Jan-11 | 134 | 2.80 | 1,420 | 4,850 |
| | 24-Sep-10 | 58.2 | <10.0 | 1,050 | 4,110 |
| | 28-Jun-10 | 50 | <5.0 | 1,200 | 4,380 |
| | 23-Mar-10 | 16.3 | 0.56 | 1,100 | 3,624 |
| | 14-Dec-09 | 2.7 | 0.28 | 960 | 3,184 |
| | 31-Aug-09 | 6.6 | ND | 870 | 3,178 |
| | 1-Jun-09 | 18.1 | 1.12 | 880 | 3,164 |
| | 2-Mar-09 | 7.07 | ND | 825 | 3,202 |

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Sampled | Nitrate as N (mg/l) | TKN (mg/l) | Chloride (mg/l) | TDS (mg/l) |
|---|---|---|---|---|---|
| 833-10 | 24-Aug-23 | 3.4 | 1.3 | 680 | 2,740 |
| | 17-May-23 | 2.2 | <1.0 | 700 | 2,790 |
| | 23-Feb-23 | 1.5 | <1.0 | 730 | 2,790 |
| | 21-Nov-22 | 1.6 | 1.1 | 680 | 2,830 |
| | 19-Aug-22 | 1.7 | 1.3 | 730 | 2,830 |
| | 19-May-22 | 1.5 | <1.0 | 740 | 2,870 |
| | 28-Feb-22 | 1.0 | 1.1 | 890 | 2,830 |
| | 17-Nov-21 | 1.2 | <1.0 | 750 | 2,800 |
| | 18-Aug-21 | 1.3 | <1.0 | 730 | 2,750 |
| | 19-May-21 | <1.0 | 1.1 | 700 | 2,750 |
| | 25-Feb-21 | <1.0 | <1.0 | 710 | 2,590 |
| | 19-Nov-20 | <1.0 | <1.0 | 730 | 2,650 |
| | 25-Aug-20 | <1.0 | 1.1 | 710 | 2,710 |
| | 20-May-20 | <1.0 | 2.2 | 700 | 2,690 |
| | 18-Feb-20 | <1.0 | 1.1 | 680 | 2,630 |
| | 21-Nov-19 | 1.5 | <1.0 | 630 | 2,630 |
| | 14-Aug-19 | 2.0 | <1.0 | 660 | 2,560 |
| | 22-May-19 | 1.8 | <1.0 | 640 | 2,560 |
| | 4-Mar-19 | 1.8 | <1.0 | 580 | 2,520 |
| | 26-Nov-18 | 2.6 | <1.0 | 620 | 2,520 |
| | 31-Aug-18 | 3.3 | <1.0 | 600 | 2,540 |
| | 24-May-18 | 3.6 | <1.0 | 610 | 2,510 |
| | 22-Feb-18 | 3.5 | <1.0 | 630 | 2,480 |
| | 16-Nov-17 | 5.74 | 0.862 | 613 | 2,060 |
| | 31-Aug-17 | 6.75 | 0.299 | 606 | 2,430 |
| | 30-May-17 | 3.83 | 0.927 | 650 | 2,560 |
| | 1-Mar-17 | 3.90 | 0.396 | 639 | 2,670 |
| | 17-Nov-16 | 4.64 | <0.937 | 534 | 2,620 |
| | 26-Aug-16 | 4.38 | <0.937 | 677 | 2,660 |
| | 26-May-16 | 4.22 | <2.24 | 637 | 2,680 |
| | 19-Feb-16 | 2.50 | <1.18 | 691 | 2,550 |
| | 18-Nov-15 | 2.69 | <1.18 | 660 | 2,580 |
| | 27-Aug-15 | 3.58 | <1.18 | 678 | 2,670 |
| | 21-May-15 | 3.81 | <1.18 | 732 | 2,700 |
| | 25-Feb-15 | 4.52 | <1.80 | 661 | 2,740 |
| | 25-Nov-14 | 4.96 | <1.80 | 690 | 2,760 |
| | 21-Aug-14 | 5.66 | <1.80 | 671 | 2,780 |
| | 29-May-14 | 3.20 | 2.10 | 667 | 2,670 |
| | 5-Mar-14 | 2.47 | <1.66 | 679 | 2,660 |
| | 20-Nov-13 | 2.93 | <1.66 | 695 | 2,620 |
| | 29-Aug-13 | 3.77 | 4.20 | 642 | 2,800 |
| | 22-May-13 | 3.96 | <1.66 | 648 | 2,580 |
| | 28-Feb-13 | 4.19 | <1.72 | 689 | 2,640 |
| | 20-Nov-12 | 4.25 | <1.72 | 608 | 2,540 |
| | 15-Aug-12 | 4.93 | 2.52 | 585 | 2,530 |
| | 7-May-12 | 3.95 | <1.72 | 581 | 2,350 |
| | 15-Feb-12 | 3.18 | <2.17 | 582 | 2,440 |
| | 1-Nov-11 | 3.69 | <2.17 | 573 | 2,590 |
| | 21-Jul-11 | 4.63 | 3.78 | 597 | 2,480 |
| | 4-May-11 | 5.19 | <2.17 | 714 | 2,670 |
| | 25-Jan-11 | 8.46 | 2.10 | 649 | 2,730 |
| | 24-Sep-10 | <10.0 | <10.0 | 654 | 2,250 |
| | 28-Jun-10 | 3.6 | <1.0 | 750 | 2,790 |
| | 23-Mar-10 | 6.8 | ND | 1,220 | 3,868 |
| | 14-Dec-09 | 3.7 | 0.14 | 790 | 2,576 |
| | 31-Aug-09 | 4.7 | ND | 750 | 2,548 |
| | 1-Jun-09 | 7.1 | ND | 650 | 2,458 |
| | 2-Mar-09 | 2.43 | ND | 855 | 2,954 |

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Sampled | Nitrate as N (mg/l) | TKN (mg/l) | Chloride (mg/l) | TDS (mg/l) |
|---|---|---|---|---|---|
| **Sunset/Desert Land Dairy** | | | | | |
| 257-01 | 24-Aug-23 | 34 | <5.0 | 890 | 3,540 |
| | 17-May-23 | 31 | <5.0 | 860 | 3,610 |
| | 24-Feb-23 | 30 | <5.0 | 890 | 3,460 |
| | 22-Nov-22 | 30 | <5.0 | 930 | 3,440 |
| | 19-Aug-22 | 35 | <5.0 | 920 | 3,570 |
| | 19-May-22 | 33 | <5.0 | 1,100 | 3,700 |
| | 28-Feb-22 | 35 | <5.0 | 870 | 3,400 |
| | 17-Nov-21 | 34 | <5.0 | 940 | 3,500 |
| | 8-Sep-21 | 36 | <5.0 | 910 | 3,560 |
| | 20-May-21 | 30 | <5.0 | 890 | 3,640 |
| | 25-Feb-21 | 32 | <5.0 | 870 | 3,620 |
| | 20-Nov-20 | 35 | <5.0 | 910 | 3,610 |
| | 25-Aug-20 | 39 | <2.0 | 960 | 4,110 |
| | 26-May-20 | 36 | <5.0 | 850 | 3,640 |
| | 18-Feb-20 | 31 | <5.0 | 890 | 3,640 |
| | 21-Nov-19 | 35 | <5.0 | 800 | 3,720 |
| | 6-Aug-19 | 43 | <5.0 | 910 | 3,740 |
| | 21-May-19 | 41 | <5.0 | 890 | 3,800 |
| | 1-Mar-19 | 42 | <5.0 | 900 | 3,620 |
| | 27-Nov-18 | 45 | <5.0 | 890 | 3,780 |
| | 23-Aug-18 | 43 | <5.0 | 770 | 3,890 |
| | 23-May-18 | 42 | <5.0 | 900 | 4,020 |
| | 20-Feb-18 | 50 | <5.0 | 920 | 3,820 |
| | 16-Nov-17 | 51.1 | <0.0500 | 870 | 3,740 |
| | 18-Aug-17 | 48.5 | <0.0500 | 867 | 3,620 |
| | 31-May-17 | 49.3 | <0.0501 | 848 | 3,570 |
| | 2-Mar-17 | 45.5 | <0.300 | 847 | 3,860 |
| | 16-Nov-16 | 44.4 | <0.300 | 681 | 3,940 |
| | 25-Aug-16 | 48.7 | <0.937 | 817 | 3,620 |
| | 26-May-16 | 47.7 | <2.24 | 797 | 3,700 |
| | 22-Feb-16 | 51.9 | <1.18 | 873 | 3,650 |
| | 19-Nov-15 | 49.1 | <1.18 | 821 | 3,680 |
| | 28-Aug-15 | 50.4 | <10.0 | 816 | 3,490 |
| | 26-May-15 | 49.4 | 3.50 | 809 | 3,460 |
| | 19-Feb-15 | 27.5 | <1.80 | 629 | 2,880 |
| | 1-Dec-14 | 47.9 | <1.80 | 750 | 3,370 |
| | 25-Aug-14 | 49.4 | <1.80 | 694 | 3,570 |
| | 30-May-14 | 47.9 | 3.50 | 739 | 3,320 |
| | 6-Mar-14 | 44.3 | <1.66 | 707 | 3,130 |
| | 25-Nov-13 | 42.4 | 2.80 | 726 | 3,090 |
| | 28-Aug-13 | 44.4 | 5.60 | 719 | 3,160 |
| | 22-May-13 | 33.6 | <1.66 | 660 | 3,100 |
| | 21-Feb-13 | 28.3 | <1.72 | 665 | 3,200 |
| | 21-Nov-12 | 24.7 | 2.80 | 625 | 3,130 |
| | 16-Aug-12 | 23.2 | <1.72 | 617 | 3,060 |
| | 26-Apr-12 | 23.7 | 22.7 | 680 | 2,920 |
| | 9-Feb-12 | 19.4 | <2.17 | 603 | 2,940 |
| | 1-Nov-11 | 28.4 | <2.17 | 619 | 2,730 |
| | 22-Jul-11 | 44.8 | <2.17 | 673 | 3,270 |
| | 26-Apr-11 | 103 | 3.78 | 870 | 4,440 |
| | 19-Jan-11 | 59.3 | 3.08 | 743 | 3,420 |
| | 24-Sep-10 | 58.0 | <10.0 | 685 | 3,120 |
| | 28-Jun-10 | 100 | <1.0 | 820 | 3,800 |
| | 24-Mar-10 | 187 | ND | 1,100 | 4,342 |
| | 14-Dec-09 | 71 | 0.14 | 910 | 3,860 |
| | 31-Aug-09 | 49 | ND | 880 | 3,706 |
| | 2-Jun-09 | 64 | ND | 910 | 3,822 |
| | 3-Mar-09 | 89 | ND | 1,135 | 4,652 |

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Sampled | Nitrate as N (mg/l) | TKN (mg/l) | Chloride (mg/l) | TDS (mg/l) |
|---|---|---|---|---|---|
| 257-02 | 24-Aug-23 | 4.5 | <1.0 | 660 | 2,470 |
| | 18-May-23 | 4.6 | <1.0 | 710 | 2,680 |
| | 24-Feb-23 | 6.7 | <2.0 | 780 | 2,860 |
| | 22-Nov-22 | 11 | <2.0 | 860 | 2,780 |
| | 19-Aug-22 | 6.4 | <1.0 | 760 | 1,370 |
| | 19-May-22 | 6.9 | <1.0 | 730 | 2,760 |
| | 28-Feb-22 | 9.4 | <1.0 | 600 | 2,440 |
| | 18-Nov-21 | 39 | <5.0 | 1,000 | 3,600 |
| | 8-Sep-21 | 20 | <5.0 | 560 | 2,280 |
| | 19-May-21 | 10 | <2.0 | 770 | 2,950 |
| | 1-Mar-21 | 13 | <2.0 | 780 | 2,940 |
| | 20-Nov-20 | 12 | <2.0 | 770 | 2,930 |
| | 26-Aug-20 | 12 | <2.0 | 790 | 2,930 |
| | 26-May-20 | 11 | <2.0 | 710 | 2,810 |
| | 18-Feb-20 | 7.1 | <1.0 | 710 | 2,680 |
| | 21-Nov-19 | 5.3 | <1.0 | 620 | 2,690 |
| | 6-Aug-19 | 9.3 | <2.0 | 650 | 2,590 |
| | 21-May-19 | 10 | <1.0 | 620 | 2,480 |
| | 1-Mar-19 | 8.7 | <1.0 | 690 | 2,570 |
| | 27-Nov-18 | 9.1 | <1.0 | 650 | 2,680 |
| | 23-Aug-18 | 14 | <2.0 | 540 | 2,640 |
| | 23-May-18 | 14 | <2.0 | 690 | 2,530 |
| | 20-Feb-18 | 14 | <2.0 | 610 | 2,640 |
| | 16-Nov-17 | 14.0 | 1.04 | 679 | 2,430 |
| | 18-Aug-17 | 10.3 | <0.0500 | 754 | 2,890 |
| | 31-May-17 | 10.0 | 0.492 | 696 | 2,520 |
| | 2-Mar-17 | 16.2 | <0.300 | 634 | 2,760 |
| | 16-Nov-16 | 10.2 | <0.937 | 671 | 3,090 |
| | 25-Aug-16 | 4.62 | <0.937 | 814 | 2,940 |
| | 26-May-16 | 7.28 | <2.24 | 572 | 2,480 |
| | 22-Feb-16 | 4.98 | <1.18 | 455 | 1,920 |
| | 19-Nov-15 | 12.2 | <1.18 | 800 | 2,890 |
| | 28-Aug-15 | 8.86 | <10.0 | 632 | 2,700 |
| | 26-May-15 | 9.36 | 1.40 | 727 | 2,660 |
| | 19-Feb-15 | 8.45 | <1.80 | 610 | 2,440 |
| | 1-Dec-14 | 6.39 | <1.80 | 669 | 2,760 |
| | 25-Aug-14 | 6.53 | <1.80 | 585 | 2,550 |
| | 30-May-14 | 11.5 | 2.10 | 531 | 2,100 |
| | 6-Mar-14 | 10.4 | <1.66 | 530 | 2,120 |
| | 25-Nov-13 | 11.1 | 2.80 | 529 | 2,070 |
| | 28-Aug-13 | 7.59 | 8.40 | 511 | 2,200 |
| | 22-May-13 | 3.39 | <1.66 | 469 | 1,880 |
| | 21-Feb-13 | 10.3 | <1.72 | 470 | 1,980 |
| | 21-Nov-12 | 10.0 | 2.80 | 468 | 2,060 |
| | 16-Aug-12 | 14.8 | <1.72 | 484 | 2,170 |
| | 26-Apr-12 | 23.2 | 8.40 | 505 | 1,840 |
| | 9-Feb-12 | 11.1 | <2.17 | 443 | 1,840 |
| | 1-Nov-11 | 19.3 | 2.24 | 442 | 3,150 |
| | 22-Jul-11 | 28.7 | <2.17 | 501 | 2,160 |
| | 26-Apr-11 | 24.9 | 2.80 | 433 | 2,000 |
| | 19-Jan-11 | 13.3 | 2.52 | 455 | 1,500 |
| | 24-Sep-10 | 21.0 | <10.0 | 445 | 1,590 |
| | 29-Jun-10 | 24 | <1.0 | 560 | 2,180 |
| | 24-Mar-10 | 22.3 | ND | 570 | 1,840 |
| | 14-Dec-09 | 19.3 | 0.14 | 480 | 1,916 |
| | 31-Aug-09 | 14.2 | ND | 410 | 1,518 |
| | 2-Jun-09 | 1.86 | ND | 500 | 1,690 |
| | 3-Mar-09 | 30.4 | ND | 495 | 1,632 |

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Sampled | Nitrate as N (mg/l) | TKN (mg/l) | Chloride (mg/l) | TDS (mg/l) |
|---|---|---|---|---|---|
| 257-03 | 24-Aug-23 | 30 | <5.0 | 370 | 2,000 |
| | 17-May-23 | Not Sampled - Unknown Blockage in Well | | | |
| | 23-Feb-23 | | | | |
| | 22-Nov-22 | 11 | 2.0 | 630 | 2,630 |
| | 22-Aug-22 | 5.2 | 2.0 | 570 | 2,620 |
| | 19-May-22 | Not Sampled - Unknown Blockage in Well | | | |
| | 28-Feb-22 | | | | |
| | 18-Nov-21 | | | | |
| | 8-Sep-21 | 15 | <2.0 | 780 | 2,900 |
| | 20-May-21 | Not Sampled - Insufficient water to sample | | | |
| | 1-Mar-21 | 17 | 2.2 | 700 | 2,870 |
| | 20-Nov-20 | 19 | 2.5 | 590 | 2,890 |
| | 26-Aug-20 | 9.9 | 3.6 | 720 | 2,830 |
| | 26-May-20 | Dry | | | |
| | 18-Feb-20 | 16 | 2.2 | 660 | 2,730 |
| | 21-Nov-19 | 4.4 | 1.8 | 570 | 2,640 |
| | 6-Aug-19 | 5.9 | 2.2 | 750 | 2,900 |
| | 21-May-19 | Dry | | | |
| | 1-Mar-19 | 12 | <2.0 | 710 | 2,670 |
| | 27-Nov-18 | 5.8 | 2.1 | 570 | 2,480 |
| | 23-Aug-18 | 11 | <2.0 | 600 | 2,760 |
| | 23-May-18 | 11 | 2.5 | 430 | 2,060 |
| | 20-Feb-18 | 12 | 2.2 | 530 | 2,510 |
| | 16-Nov-17 | 13.8 | 1.99 | 523 | 2,150 |
| | 18-Aug-17 | 14.3 | 0.742 | 605 | 2,540 |
| | 31-May-17 | 10.1 | 1.13 | 402 | 2,330 |
| | 2-Mar-17 | 15.4 | 0.412 | 346 | 2,220 |
| | 16-Nov-16 | 12.50 | 1.70 | 344 | 1,860 |
| | 25-Aug-16 | 9.97 | <0.937 | 333 | 1,860 |
| | 26-May-16 | Dry | | | |
| | 22-Feb-16 | Not Sampled - insufficient water to sample | | | |
| | 19-Nov-15 | Dry | | | |
| | 28-Aug-15 | 5.37 | <10.0 | 477 | 2,060 |
| | 26-May-15 | Dry | | | |
| | 19-Feb-15 | Not Sampled - insufficient water to sample | | | |
| | 1-Dec-14 | Dry | | | |
| | 25-Aug-14 | 7.64 | <1.80 | 413 | 1,840 |
| | 30-May-14 | Dry | | | |
| | 6-Mar-14 | 6.06 | <1.66 | 546 | 2,380 |
| | 25-Nov-13 | 2.03 | 4.90 | 494 | 1,900 |
| | 28-Aug-13 | 4.55 | 4.90 | 569 | 2,360 |
| | 22-May-13 | 7.23 | <1.66 | 658 | 2,640 |
| | 21-Feb-13 | 2.65 | <1.72 | 520 | 2,060 |
| | 21-Nov-12 | 3.11 | 2.80 | 490 | 2,250 |
| | 16-Aug-12 | 17.6 | 2.10 | 509 | 2,420 |
| | 26-Apr-12 | 6.60 | 4.20 | 601 | 2,330 |
| | 14-Feb-12 | 11.2 | <2.17 | 636 | 2,620 |
| | 1-Nov-11 | 7.37 | 2.80 | 537 | 2,210 |
| | 22-Jul-11 | 12.9 | 2.80 | 576 | 2,100 |
| | 26-Apr-11 | 12.5 | 5.88 | 525 | 2,400 |
| | 19-Jan-11 | 2.67 | 2.24 | 377 | 1,600 |
| | 24-Sep-10 | 8.00 | <10.0 | 400 | 1,670 |
| | 29-Jun-10 | 17 | 1.1 | 660 | 2,570 |
| | 24-Mar-10 | 10.1 | 1.12 | 640 | 2,342 |
| | 14-Dec-09 | 5.9 | 0.56 | 760 | 2,638 |
| | 31-Aug-09 | 10.7 | 0.84 | 610 | 2,260 |
| | 2-Jun-09 | 5.99 | ND | 570 | 2,284 |
| | 3-Mar-09 | 334* | ND | 690 | 2,538 |

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Sampled | Nitrate as N (mg/l) | TKN (mg/l) | Chloride (mg/l) | TDS (mg/l) |
|---|---|---|---|---|---|
| 257/260-01 | 2-Feb-18 | Plugged and Abandoned | | | |
| | 16-Nov-17 | Not Sampled - Inaccessible Due to Crops | | | |
| | 18-Aug-17 | 0.0935 | 18.6 | 678 | 2,730 |
| | 31-May-17 | 0.193 | 28.3 | 665 | 2,460 |
| | 2-Mar-17 | <2.00 | 83.7 | 636 | 2,720 |
| | 16-Nov-16 | 0.857 | 29.2 | 527 | 2,300 |
| | 9-Sep-16 | 16.7 | 5.11 | 254 | 1,660 |
| | 26-May-16 | <0.305 | 12.1 | 588 | 2,460 |
| | 22-Feb-16 | <0.305 | 37.0 | 598 | 2,830 |
| | 19-Nov-15 | <0.194 | 15.7 | 542 | 2,260 |
| | 28-Aug-15 | 8.81 | <10.0 | 210 | 1,140 |
| | 26-May-15 | 2.02 | 18.9 | 726 | 2,750 |
| | 19-Feb-15 | 1.09 | <1.80 | 445 | 2,220 |
| | 1-Dec-14 | 4.92 | 2.80 | 375 | 1,520 |
| | 25-Aug-14 | 3.74 | 6.30 | 562 | 2,440 |
| | 30-May-14 | 4.82 | 2.10 | 658 | 2,640 |
| | 6-Mar-14 | 4.22 | <1.66 | 644 | 2,780 |
| | 25-Nov-13 | 3.30 | 6.30 | 580 | 2,220 |
| | 28-Aug-13 | 2.81 | 7.70 | 624 | 2,460 |
| | 22-May-13 | 2.39 | <1.66 | 673 | 2,820 |
| | 21-Feb-13 | 9.35 | <1.72 | 816 | 2,980 |
| | 21-Nov-12 | 13.0 | 3.50 | 722 | 3,020 |
| | 16-Aug-12 | 3.67 | 6.30 | 667 | 2,620 |
| | 26-Apr-12 | 6.83 | 2.80 | 575 | 2,660 |
| | 14-Feb-12 | 9.68 | <2.17 | 565 | 2,180 |
| | 1-Nov-11 | 16.7 | 2.94 | 658 | 2,850 |
| | 22-Jul-11 | 4.66 | 3.64 | 440 | 1,860 |
| | 26-Apr-11 | <0.500 | 4.34 | 624 | 2,580 |
| | 19-Jan-11 | 1.21 | 4.20 | 480 | 1,860 |
| | 24-Sep-10 | 11.0 | <10.0 | 576 | 2,480 |
| | 30-Jun-10 | 5.4 | <5.0 | 530 | 1,980 |
| | 23-Mar-10 | 5.0 | ND | 340 | 982 |
| | 14-Dec-09 | 45 | 26.32 | 220 | 520 |
| | 31-Aug-09 | 0.3 | 8.7 | 570 | 1,704 |
| | 2-Jun-09 | 1.65 | 7.0 | 660 | 1,936 |
| | 3-Mar-09 | 3.98 | 1.12 | 555 | 1,908 |

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Sampled | Nitrate as N (mg/l) | TKN (mg/l) | Chloride (mg/l) | TDS (mg/l) |
|---|---|---|---|---|---|
| **Las Cruces Community Farms (Former McAnally Enterprises)** | | | | | |
| MW-4 | 24-Aug-23 | 1.2 | <1.0 | 1,200 | 4,010 |
| | 18-May-23 | <1.0 | <1.0 | 1,500 | 4,700 |
| | 24-Feb-23 | 1.1 | <1.0 | 1,400 | 4,290 |
| | 22-Nov-22 | <1.0 | <1.0 | 1,500 | 4,640 |
| | 22-Aug-22 | 1.3 | <1.0 | 1,800 | 5,140 |
| | 20-May-22 | 1.5 | <1.0 | 1,300 | 4,170 |
| | 28-Feb-22 | 1.3 | <1.0 | 1,300 | 4,150 |
| | 18-Nov-21 | 2.7 | <1.0 | 1,200 | 3,860 |
| | 8-Sep-21 | 1.8 | <1.0 | 1,400 | 4,270 |
| | 20-May-21 | 2.2 | <1.0 | 1,300 | 3,980 |
| | 1-Mar-21 | 1.5 | <1.0 | 1,600 | 4,820 |
| | 20-Nov-20 | 1.1 | <1.0 | 1,500 | 4,550 |
| | 26-Aug-20 | 1.2 | <1.0 | 1,500 | 4,640 |
| | 26-May-20 | <1.0 | 1.1 | 1,400 | 4,460 |
| | 6-Mar-20 | <1.0 | <2.0 | 1,600 | 4,620 |
| | 26-Nov-19 | 0.39 | <1.0 | 1,400 | 4,800 |
| | 19-Jun-18 | 4.6 | <1.0 | 1,200 | 980 |
| | 21-Jul-15 | 1.6 | <1 | 1,900 | 5,300 |
| | 9-Jun-15 | 1.5 | <1.0 | 1,900 | 5,100 |
| | 13-Mar-09 | 3.5 | <0.5 | 2,110 | 5,686 |
| **NMWQCC Standard** | | **10** | **NA** | **250** | **1,000** |
| **Existing Conditions - August 2020** | | **NA** | **NA** | **367** | **1,758** |
| **Existing Conditions - Pre-August 2020*** | | **NA** | **NA** | **1,718** | **5,328** |
| **Southern Area** | | | | | |
| **Del Oro Dairy** | | | | | |
| 692-01 (Perched) | 22-Dec-15 | Plugged & Abandoned | | | |
| | 2-Dec-15 | 78.4 | <1.18 | 579 | 2,420 |
| | 31-Aug-15 | Pump was not operational | | | |
| | 28-May-15 | Pump was not operational | | | |
| | 3-Mar-15 | Pump was not operational | | | |
| | 2-Dec-14 | 99.4 | 4.90 | 678 | 2,830 |
| | 27-Aug-14 | 95.6 | 9.10 | 643 | 2,910 |
| | 2-Jun-14 | 98.2 | 4.20 | 612 | 2,660 |
| | 13-Mar-14 | 97.8 | <1.66 | 647 | 2,820 |
| | 4-Dec-13 | 2.57 | 7.00 | 706 | 2,840 |
| | 4-Sep-13 | Not Sampled | | | |
| | 28-May-13 | 82.4 | <1.66 | 612 | 2,660 |
| | 27-Feb-13 | 87.9 | <1.72 | 654 | 2,690 |
| | 30-Nov-12 | 117 | <1.72 | 821 | 3,490 |
| | 20-Aug-12 | Pump was not operational | | | |
| | 8-May-12 | 163 | <1.72 | 1,060 | 4,820 |
| | 17-Feb-12 | 166 | 7.28 | 1,090 | 4,000 |
| | 8-Nov-11 | 168 | 6.44 | 1,180 | 4,690 |
| | 29-Jul-11 | 176 | <2.17 | 1,210 | 4,840 |
| | 22-Apr-11 | 140 | | 998 | 3,880 |
| | 19-Jan-11 | 213 | 2.10 | 1,070 | 4,320 |
| | 1-Oct-10 | 222 | <10.0 | 1,060 | 4,640 |
| | 30-Jun-10 | 230 | <5.0 | 1,100 | 4,080 |
| | 30-Mar-10 | 117.5 | 3 | 1,080 | 3,991 |
| | 8-Dec-09 | 107 | 1 | 1,060 | 4,897 |
| | 12-Aug-09 | 127 | 3 | 1,120 | 4,955 |
| | 4-May-09 | 120 | 3 | 1,160 | 4,295 |

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Sampled | Nitrate as N (mg/l) | TKN (mg/l) | Chloride (mg/l) | TDS (mg/l) |
|---|---|---|---|---|---|
| 692-02 (Perched) | 25-Aug-23 | 31 | <5.0 | 480 | 1,830 |
| | 18-May-23 | 25 | <5.0 | 440 | 1,590 |
| | 27-Feb-23 | 21 | <5.0 | 410 | 1,430 |
| | 28-Nov-22 | 17 | <2.0 | 360 | 1,410 |
| | 22-Aug-22 | 11 | <2.0 | 350 | 1,260 |
| | 20-May-22 | 4.4 | <1.0 | 300 | 1,050 |
| | 1-Mar-22 | 5.0 | <1.0 | 300 | 1,060 |
| | 19-Nov-21 | 1.1 | <1.0 | 270 | 953 |
| | 23-Aug-21 | <1.0 | <1.0 | 290 | 912 |
| | 20-May-21 | <1.0 | <1.0 | 280 | 892 |
| | 9-Mar-21 | <1.0 | <1.0 | 270 | 877 |
| | 23-Nov-20 | <1.0 | <1.0 | 250 | 879 |
| | 26-Aug-20 | <1.0 | <1.0 | 280 | 871 |
| | 26-May-20 | <1.0 | <1.0 | 280 | 868 |
| | 19-Feb-20 | <1.0 | <1.0 | 270 | 882 |
| | 2-Dec-19 | <1.0 | <1.0 | 260 | 890 |
| | 15-Aug-19 | 2.2 | <1.0 | 380 | 1,210 |
| | 29-May-19 | 2.5 | <1.0 | 290 | 964 |
| | 7-Mar-19 | 67 | <5.0 | 640 | 2,560 |
| | 27-Nov-18 | 58 | <5.0 | 620 | 2,440 |
| | 23-Aug-18 | 66 | <5.0 | 610 | 2,690 |
| | 30-May-18 | 64 | <5.0 | 690 | 2,770 |
| | 23-Feb-18 | 82 | <5.0 | 840 | 2,960 |
| | 30-Nov-17 | 43.4 | <0.0500 | 746 | 2,300 |
| | 23-Aug-17 | 24.4 | <0.0500 | 660 | 2,290 |
| | 5-Jun-17 | 2.82 | 1.01 | 421 | 1,640 |
| | 2-Mar-17 | 17.8 | <0.300 | 583 | 2,250 |
| | 30-Nov-16 | 103 | <0.300 | 803 | 3,300 |
| | 6-Sep-16 | 111 | <0.937 | 869 | 3,340 |
| | 31-May-16 | 124 | <2.24 | 879 | 3,520 |
| | 24-Feb-16 | 140 | <1.18 | 990 | 3,480 |
| | 2-Dec-15 | 134 | 2.24 | 967 | 3,500 |
| | 31-Aug-15 | 140 | 4.90 | 995 | 3,660 |
| | 26-May-15 | 140 | 4.20 | 973 | 3,430 |
| | 3-Mar-15 | 142 | 2.10 | 963 | 3,640 |
| | 2-Dec-14 | 147 | <1.80 | 974 | 3,430 |
| | 27-Aug-14 | 132 | 2.80 | 909 | 3,510 |
| | 30-May-14 | 128 | 4.20 | 906 | 3,370 |
| | 7-Mar-14 | 129 | <1.66 | 912 | 3,420 |
| | 3-Dec-13 | 108 | 2.80 | 906 | 3,520 |
| | 4-Sep-13 | 120 | 2.80 | 925 | 3,600 |
| | 23-May-13 | 47.8 | <1.66 | 742 | 2,720 |
| | 27-Feb-13 | 3.37 | <1.72 | 396 | 1,520 |
| | 30-Nov-12 | <0.0290 | <1.72 | 358 | 1,450 |
| | 20-Aug-12 | 1.72 | <1.72 | 371 | 1,460 |
| | 8-May-12 | 1.75 | <1.72 | 339 | 1,350 |
| | 17-Feb-12 | 2.55 | <2.17 | 410 | 1,490 |
| | 31-Oct-11 | 4.69 | <2.17 | 451 | 1,720 |
| | 29-Jul-11 | 24.1 | <2.17 | 504 | 2,280 |
| | 27-Apr-11 | 92.3 | <10.0 | 921 | 3,080 |
| | 26-Jan-11 | 47.2 | 3.64 | 706 | 2,490 |
| | 1-Oct-10 | Not Sampled | | | |
| | 30-Jun-10 | 140 | <5.0 | 1,100 | 3,520 |
| | 30-Mar-10 | 107.5 | 1 | 1,320 | 3,861 |
| | 8-Dec-09 | 96 | 1 | 1,200 | 4,073 |
| | 12-Aug-09 | 66 | 3 | 1,140 | 4,317 |
| | 4-May-09 | 52 | 1 | 1,100 | 3,337 |

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Sampled | Nitrate as N (mg/l) | TKN (mg/l) | Chloride (mg/l) | TDS (mg/l) |
|---|---|---|---|---|---|
| 692-03 | 30-Mar-10 | Plugged and Abandoned | | | |
| | 4-May-09 | | | | |
| 692-04 (Perched) | 25-Aug-23 | Dry | | | |
| | 18-May-23 | | | | |
| | 27-Feb-23 | | | | |
| | 28-Nov-22 | | | | |
| | 23-Aug-22 | Not Sampled - insufficient water to sample | | | |
| | 20-May-22 | 57 | <5.0 | 680 | 2,570 |
| | 1-Mar-22 | 29 | <5.0 | 570 | 2,460 |
| | 19-Nov-21 | 33 | <5.0 | 520 | 2,460 |
| | 20-Aug-21 | Not Sampled - insufficient water to sample | | | |
| | 20-May-21 | | | | |
| | 9-Mar-21 | 15 | 4.5 | 540 | 1,810 |
| | 23-Nov-20 | 18 | 9.5 | 520 | 2,350 |
| | 26-Aug-20 | 24 | 15 | 640 | 2,370 |
| | 26-May-20 | 69 | 2.8 | 910 | 3,240 |
| | 19-Feb-20 | 49 | <5.0 | 680 | 2,460 |
| | 2-Dec-19 | 48 | <5.0 | 610 | 2,450 |
| | 15-Aug-19 | 29 | 4.80 | 600 | 2,230 |
| | 29-May-19 | Dry | | | |
| | 7-Mar-19 | Dry | | | |
| | 27-Nov-08 | Dry | | | |
| | 23-Aug-18 | Dry | | | |
| | 30-May-18 | Dry | | | |
| | 23-Feb-18 | Dry | | | |
| | 23-Aug-17 | Dry | | | |
| | 5-Jun-17 | Dry | | | |
| | 2-Mar-17 | Dry | | | |
| | 30-Nov-16 | Dry | | | |
| | 2-Sep-16 | Dry | | | |
| | 31-May-16 | Dry | | | |
| | 24-Feb-16 | Dry | | | |
| | 2-Dec-15 | Dry | | | |
| | 31-Aug-15 | Dry | | | |
| | 26-May-15 | Dry | | | |
| | 3-Mar-15 | Not Sampled - insufficient water to sample | | | |
| | 2-Dec-14 | 27.1 | <1.80 | 582 | 2,000 |
| | 28-Aug-14 | 32.5 | <1.80 | 508 | 2,060 |
| | 30-May-14 | 38.7 | 4.20 | 481 | 2,010 |
| | 7-Mar-14 | 44.4 | <1.66 | 581 | 2,290 |
| | 3-Dec-13 | 43.5 | 2.80 | 646 | 2,490 |
| | 4-Sep-13 | Not Sampled - insufficient water to sample | | | |
| | 23-May-13 | 71.3 | <1.66 | 676 | 2,740 |
| | 27-Feb-13 | 25.2 | <1.72 | 625 | 2,390 |
| | 30-Nov-12 | 24.3 | <1.72 | 573 | 2,540 |
| | 20-Aug-12 | 42.1 | <1.72 | 689 | 2,850 |
| | 8-May-12 | 39.6 | <1.72 | 652 | 2,490 |
| | 17-Feb-12 | 30.2 | <2.17 | 557 | 2,060 |
| | 31-Oct-11 | 22.9 | <2.17 | 477 | 1,600 |
| | 29-Jul-11 | 25.2 | <2.17 | 503 | 1,960 |
| | 22-Apr-11 | 98.5 | <2.17 | 893 | 3,240 |
| | 19-Jan-11 | 148 | 3.22 | 1,040 | 3,740 |
| | 28-Sep-10 | 67.0 | <10.0 | 802 | 3,060 |
| | 30-Jun-10 | 50 | <5.0 | 590 | 2,050 |
| | 30-Mar-10 | 28 | 1 | 600 | 2,012 |
| | 8-Dec-09 | 31 | 1 | 590 | 2,069 |
| | 12-Aug-09 | 26 | 1 | 680 | 2,158 |
| | 4-May-09 | 26 | 1 | 580 | 2,081 |

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Sampled | Nitrate as N (mg/l) | TKN (mg/l) | Chloride (mg/l) | TDS (mg/l) |
|---|---|---|---|---|---|
| 692-05 (Regional) | 28-Aug-23 | 16 | <2.0 | 410 | 1,570 |
| | 23-May-23 | 14 | <2.0 | 400 | 1,500 |
| | 28-Feb-23 | 16 | <2.0 | 430 | 1,560 |
| | 30-Nov-22 | 18 | <2.0 | 390 | 1,610 |
| | 23-Aug-22 | 17 | <2.0 | 430 | 1,600 |
| | 20-May-22 | 15 | <1.0 | 380 | 1,550 |
| | 2-Mar-22 | 16 | <2.0 | 400 | 1,550 |
| | 19-Nov-21 | 19 | <2.0 | 400 | 1,600 |
| | 23-Aug-21 | 18 | <2.0 | 430 | 1,570 |
| | 21-May-21 | 14 | <2.0 | 430 | 1,620 |
| | 9-Mar-21 | 17 | <1.0 | 410 | 1,550 |
| | 23-Nov-20 | 14 | <2.0 | 400 | 1,580 |
| | 27-Aug-20 | 14 | <2.0 | 410 | 1,580 |
| | 27-May-20 | 12 | <2.0 | 400 | 1,640 |
| | 19-Feb-20 | 14 | <2.0 | 420 | 1,780 |
| | 2-Dec-19 | 13 | <2.0 | 390 | 1,510 |
| | 16-Aug-19 | 12 | <2.0 | 420 | 1,570 |
| | 29-May-19 | 13 | <2.0 | 420 | 1,600 |
| | 14-Mar-19 | 12 | <2.0 | 410 | 1,540 |
| | 4-Dec-18 | Pump was not operational | | | |
| | 23-Aug-18 | 9.1 | <1.0 | 400 | 1,500 |
| | 30-May-18 | Pump was not operational | | | |
| | 23-Feb-18 | | | | |
| | 30-Nov-17 | 11.9 | <0.0500 | 433 | 1,300 |
| | 22-Aug-17 | 10.6 | <0.0500 | 450 | 1,470 |
| | 5-Jun-17 | 9.24 | <0.0500 | 440 | 1,430 |
| | 3-Mar-17 | 8.32 | <0.300 | 425 | 1,430 |
| | 29-Nov-16 | 6.85 | <0.300 | 430 | 1,420 |
| | 2-Sep-16 | 8.07 | <0.937 | 452 | 1,420 |
| | 31-May-16 | 7.29 | <2.24 | 459 | 1,470 |
| | 24-Feb-16 | 6.72 | <1.18 | 463 | 1,540 |
| | 2-Dec-15 | 5.68 | <1.18 | 457 | 1,370 |
| | 31-Aug-15 | 5.03 | 11.9 | 496 | 1,380 |
| | 26-May-15 | 3.93 | <1.18 | 474 | 1,440 |
| | 3-Mar-15 | 3.70 | <1.80 | 430 | 1,440 |
| | 2-Dec-14 | 4.80 | <1.80 | 447 | 1,460 |
| | 27-Aug-14 | 5.78 | <1.80 | 424 | 1,340 |
| | 2-Jun-14 | 6.50 | 3.50 | 427 | 1,460 |
| | 14-Mar-14 | 1.67 | <1.66 | 452 | 1,440 |
| | 4-Dec-13 | 4.05 | 2.80 | 437 | 1,360 |
| | 4-Sep-13 | 2.12 | 4.20 | 446 | 1,480 |
| | 28-May-13 | 1.90 | <1.66 | 417 | 1,280 |
| | 27-Feb-13 | 2.16 | <1.72 | 410 | 1,340 |
| | 29-Nov-12 | 2.28 | <1.72 | 397 | 1,370 |
| | 16-Aug-12 | 2.73 | 17.6 | 455 | 1,520 |
| | 7-May-12 | 1.92 | 3.08 | 420 | 1,570 |
| | 17-Feb-12 | 2.52 | <2.17 | 423 | 1,310 |
| | 8-Nov-11 | 2.30 | 2.94 | 383 | 1,230 |
| | 1-Aug-11 | <1.00 | 3.50 | 420 | 1,710 |
| | 26-Apr-11 | <2.50 | <10.0 | 401 | 1,710 |
| | 19-Jan-11 | 4.12 | 2.10 | 443 | 1,280 |
| | 1-Oct-10 | 3.10 | <10.0 | 420 | 1,430 |
| | 30-Jun-10 | 2.1 | <1.0 | 500 | 1,490 |
| | 30-Mar-10 | 1.5 | 1 | 480 | 1,501 |
| | 8-Dec-09 | 1.4 | 1 | 540 | 1,538 |
| | 12-Aug-09 | 0.8 | 1 | 500 | 1,602 |
| | 4-May-09 | 1.0 | 1 | 500 | 1,477 |

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Sampled | Nitrate as N (mg/l) | TKN (mg/l) | Chloride (mg/l) | TDS (mg/l) |
|---|---|---|---|---|---|
| 692-06 (Regional) | 28-Aug-23 | 4.9 | <1.0 | 410 | 1,470 |
| | 23-May-23 | 4.8 | <1.0 | 390 | 1,410 |
| | 28-Feb-23 | 4.6 | <1.0 | 440 | 1,430 |
| | 30-Nov-22 | 4.6 | <1.0 | 390 | 1,470 |
| | 23-Aug-22 | 4.9 | <1.0 | 440 | 1,490 |
| | 23-May-22 | 3.9 | <1.0 | 420 | 1,420 |
| | 2-Mar-22 | 3.7 | <1.0 | 400 | 1,380 |
| | 22-Nov-21 | 4.3 | <1.0 | 430 | 1,500 |
| | 24-Aug-21 | 3.6 | <1.0 | 410 | 1,490 |
| | 21-May-21 | 3.4 | <1.0 | 420 | 1,470 |
| | 11-Mar-21 | 3.0 | <1.0 | 390 | 1,390 |
| | 24-Nov-20 | 4.0 | <1.0 | 420 | 1,470 |
| | 27-Aug-20 | 3.6 | <1.0 | 400 | 1,450 |
| | 27-May-20 | 3.1 | 4.1 | 370 | 1,440 |
| | 18-Feb-20 | 3.2 | <1.0 | 420 | 1,400 |
| | 26-Nov-19 | 4.0 | <1.0 | 420 | 1,490 |
| | 15-Aug-19 | 3.8 | <1.0 | 420 | 1,440 |
| | 29-May-19 | 3.3 | <1.0 | 400 | 1,430 |
| | 7-Mar-19 | 3.1 | <1.0 | 420 | 1,450 |
| | 4-Dec-18 | 3.7 | <1.0 | 450 | 1,490 |
| | 23-Aug-18 | 3.5 | <1.0 | 370 | 1,450 |
| | 30-May-18 | 3.9 | <1.0 | 410 | 1,420 |
| | 23-Feb-18 | 2.9 | <1.0 | 420 | 1,430 |
| | 30-Nov-17 | 3.46 | <0.0500 | 420 | 1,290 |
| | 23-Aug-17 | 3.29 | <0.0500 | 420 | 1,480 |
| | 5-Jun-17 | 3.20 | 0.0835 | 428 | 1,580 |
| | 2-Mar-17 | 2.84 | <0.300 | 404 | 1,530 |
| | 30-Nov-16 | 3.12 | <0.300 | 414 | 1,420 |
| | 6-Sep-16 | 2.86 | <0.937 | 471 | 1,420 |
| | 31-May-16 | 2.27 | <2.24 | 467 | 1,420 |
| | 24-Feb-16 | 2.93 | <1.18 | 465 | 1,410 |
| | 2-Dec-15 | 3.04 | <1.18 | 450 | 1,420 |
| | 31-Aug-15 | 2.56 | <1.18 | 444 | 1,400 |
| | 26-May-15 | 4.29 | 1.40 | 480 | 1,410 |
| | 3-Mar-15 | 3.40 | <1.80 | 444 | 1,440 |
| | 2-Dec-14 | 3.65 | <1.80 | 461 | 1,440 |
| | 27-Aug-14 | 3.77 | <1.80 | 434 | 1,420 |
| | 2-Jun-14 | 3.90 | 3.50 | 453 | 1,500 |
| | 7-Mar-14 | 3.03 | <1.66 | 429 | 1,400 |
| | 3-Dec-13 | 3.70 | 2.10 | 470 | 1,470 |
| | 4-Sep-13 | 3.19 | 2.10 | 423 | 1,540 |
| | 23-May-13 | 2.71 | <1.66 | 415 | 1,370 |
| | 27-Feb-13 | 2.81 | <1.72 | 412 | 1,390 |
| | 4-Dec-12 | 2.19 | <1.72 | 395 | 1,380 |
| | 16-Aug-12 | 3.24 | 3.36 | 418 | 1,400 |
| | 8-May-12 | 2.62 | <1.72 | 397 | 1,620 |
| | 17-Feb-12 | 9.39 | <2.17 | 459 | 1,200 |
| | 8-Nov-11 | 6.46 | <2.17 | 425 | 1,450 |
| | 1-Aug-11 | 6.07 | 2.80 | 409 | 1,500 |
| | 26-Apr-11 | 4.50 | <10.0 | 422 | 1,590 |
| | 19-Jan-11 | 4.95 | 2.10 | 431 | 1,360 |
| | 1-Oct-10 | 11.0 | <10.0 | 373 | 1,490 |
| | 30-Jun-10 | 7.4 | <1.0 | 440 | 1,470 |
| | 30-Mar-10 | 3.9 | 1 | 460 | 1,532 |
| | 8-Dec-09 | 2.3 | 1 | 540 | 1,609 |
| | 12-Aug-09 | 2.8 | 1 | 440 | 1,555 |
| | 4-May-09 | 2.9 | 1 | 500 | 1,552 |

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Sampled | Nitrate as N (mg/l) | TKN (mg/l) | Chloride (mg/l) | TDS (mg/l) |
|---|---|---|---|---|---|
| 692-07 (Regional) | 29-Aug-23 | 2.8 | <1.0 | 510 | 1,550 |
| | 24-May-23 | 3.0 | <1.0 | 510 | 1,510 |
| | 28-Feb-23 | 2.7 | <1.0 | 540 | 1,560 |
| | 1-Dec-22 | 3.0 | <1.0 | 540 | 1,650 |
| | 24-Aug-22 | 3.2 | <1.0 | 480 | 1,720 |
| | 23-May-22 | 3.6 | <1.0 | 570 | 1,670 |
| | 2-Mar-22 | 2.5 | <1.0 | 510 | 1,530 |
| | 22-Nov-21 | 3.1 | <1.0 | 580 | 1,700 |
| | 24-Aug-21 | 3.9 | <1.0 | 590 | 1,760 |
| | 21-May-21 | 3.6 | <1.0 | 570 | 1,620 |
| | 11-Mar-21 | 2.8 | <5.0 | 540 | 1,640 |
| | 24-Nov-20 | 3.5 | <1.0 | 590 | 1,620 |
| | 27-Aug-20 | 3.2 | <1.0 | 570 | 1,720 |
| | 19-Jun-20 | 2.9 | <2.0 | 550 | 1,790 |
| | 19-Feb-20 | Not Sampled - insufficient water to sample | | | |
| | 26-Nov-19 | 3.4 | <1.0 | 570 | 1,650 |
| | 16-Aug-19 | 3.9 | <1.0 | 540 | 1,700 |
| | 29-May-19 | 3.1 | <1.0 | 560 | 1,690 |
| | 7-Mar-19 | 3.5 | <1.0 | 580 | 1,680 |
| | 4-Dec-18 | 3.5 | <1.0 | 560 | 1,640 |
| | 23-Aug-18 | 3.3 | <1.0 | 500 | 1,650 |
| | 30-May-18 | 3.3 | <1.0 | 590 | 1,600 |
| | 23-Feb-18 | 2.9 | <1.0 | 610 | 1,630 |
| | 30-Nov-17 | 3.38 | <0.0500 | 576 | 1,450 |
| | 23-Aug-17 | 3.38 | <0.0500 | 576 | 1,590 |
| | 5-Jun-17 | 3.18 | 0.471 | 570 | 1,520 |
| | 3-Mar-17 | 3.14 | <0.300 | 564 | 1,550 |
| | 29-Nov-16 | 3.88 | <0.300 | 570 | 1,660 |
| | 2-Sep-16 | 3.04 | <0.937 | 591 | 1,520 |
| | 31-May-16 | 2.19 | <2.24 | 526 | 1,660 |
| | 24-Feb-16 | 3.42 | <1.18 | 618 | 1,590 |
| | 2-Dec-15 | 3.13 | <1.18 | 582 | 1,490 |
| | 31-Aug-15 | 2.97 | <1.18 | 578 | 1,570 |
| | 26-May-15 | 2.93 | <1.18 | 589 | 1,580 |
| | 3-Mar-15 | 3.53 | <1.80 | 668 | 1,580 |
| | 2-Dec-14 | Pump was not operational | | | |
| | 27-Aug-14 | Not Sampled - insufficient water to sample | | | |
| | 2-Jun-14 | 3.20 | 2.80 | 527 | 1,590 |
| | 14-Mar-14 | 3.26 | <1.66 | 544 | 1,580 |
| | 4-Dec-13 | 4.26 | 2.10 | 581 | 1,600 |
| | 4-Sep-13 | 4.17 | <1.66 | 550 | 1,840 |
| | 28-May-13 | 3.68 | <1.66 | 524 | 1,530 |
| | 27-Feb-13 | 3.82 | <1.72 | 563 | 1,630 |
| | 30-Nov-12 | 4.05 | <1.72 | 535 | 1,660 |
| | 16-Aug-12 | 5.36 | 3.50 | 549 | 1,780 |
| | 8-May-12 | 3.55 | <1.72 | 530 | 1,780 |
| | 17-Feb-12 | 4.76 | <2.17 | 518 | 1,600 |
| | 12-Nov-11 | 5.22 | <2.17 | 555 | 780 |
| | 1-Aug-11 | <1.00 | 2.66 | 567 | 2,000 |
| | 26-Apr-11 | 39.3 | <10.0 | 694 | 2,520 |
| | 19-Jan-11 | 17.2 | 2.38 | 589 | 1,100 |
| | 1-Oct-10 | 27.0 | < 10.0 | 617 | 2,300 |
| | 30-Jun-10 | Not Sampled | | | |
| | 30-Mar-10 | 42 | 1 | 820 | 2,967 |
| | 8-Dec-09 | 28 | 1 | 860 | 3,131 |
| | 12-Aug-09 | 36 | 1 | 780 | 3,041 |
| | 4-May-09 | 50 | 1 | 960 | 3,480 |

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Sampled | Nitrate as N (mg/l) | TKN (mg/l) | Chloride (mg/l) | TDS (mg/l) |
|---|---|---|---|---|---|
| 692-08 (Regional) | 29-Aug-23 | 2.3 | <1.0 | 370 | 1,280 |
| | 24-May-23 | 5.2 | <1.0 | 360 | 1,290 |
| | 1-Mar-23 | 3.0 | <1.0 | 430 | 1,330 |
| | 1-Dec-22 | 1.6 | <1.0 | 420 | 1,370 |
| | 24-Aug-22 | 1.9 | <1.0 | 360 | 1,370 |
| | 23-May-22 | 6.2 | <1.0 | 400 | 1,380 |
| | 2-Mar-22 | 5.0 | <1.0 | 390 | 1,370 |
| | 22-Nov-21 | 6.8 | <1.0 | 380 | 1,400 |
| | 24-Aug-21 | 2.1 | <1.0 | 410 | 1,390 |
| | 21-May-21 | 1.7 | <2.0 | 410 | 1,390 |
| | 11-Mar-21 | 2.3 | <1.0 | 400 | 1,350 |
| | 24-Nov-20 | 2.1 | <1.0 | 390 | 1,360 |
| | 27-Aug-20 | 1.9 | <1.0 | 430 | 1,400 |
| | 27-May-20 | 1.4 | <1.0 | 400 | 1,400 |
| | 18-Feb-20 | 3.9 | <1.0 | 430 | 1,380 |
| | 25-Nov-19 | 1.8 | <1.0 | 360 | 1,350 |
| | 16-Aug-19 | 1.2 | <1.0 | 390 | 1,340 |
| | 29-May-19 | 2.8 | <1.0 | 410 | 1,380 |
| | 7-Mar-19 | 2.6 | <1.0 | 420 | 1,400 |
| | 4-Dec-18 | 2.4 | <1.0 | 420 | 1,370 |
| | 23-Aug-18 | 2.1 | <1.0 | 370 | 1,380 |
| | 30-May-18 | 2.5 | <1.0 | 420 | 1,340 |
| | 23-Feb-18 | 3.0 | <1.0 | 410 | 1,360 |
| | 30-Nov-17 | 4.74 | <0.0500 | 420 | 1,280 |
| | 22-Aug-17 | 2.29 | <0.0500 | 416 | 1,370 |
| | 5-Jun-17 | 2.12 | 1.93 | 413 | 1,300 |
| | 3-Mar-17 | 2.84 | <0.300 | 412 | 1,270 |
| | 30-Nov-16 | 2.26 | 0.567 | 422 | 1,340 |
| | 2-Sep-16 | 0.791 | 1.14 | 473 | 1,320 |
| | 31-May-16 | 1.58 | <2.24 | 437 | 1,340 |
| | 24-Feb-16 | 3.22 | <1.18 | 448 | 1,300 |
| | 2-Dec-15 | 1.91 | <1.18 | 434 | 1,330 |
| | 31-Aug-15 | <0.194 | <1.18 | 432 | 1,380 |
| | 28-May-15 | 0.652 | <1.18 | 460 | 1,430 |
| | 2-Mar-15 | 3.34 | <1.80 | 433 | 1,360 |
| | 2-Dec-14 | 2.65 | <1.80 | 437 | 1,370 |
| | 27-Aug-14 | 2.71 | <1.80 | 418 | 1,300 |
| | 2-Jun-14 | 4.70 | 4.90 | 435 | 1,300 |
| | 14-Mar-14 | 4.27 | <1.66 | 435 | 1,430 |
| | 4-Dec-13 | 3.22 | <1.66 | 456 | 1,320 |
| | 4-Sep-13 | 3.58 | 2.10 | 430 | 1,360 |
| | 28-May-13 | 3.49 | <1.66 | 434 | 2,760 |
| | 27-Feb-13 | 6.27 | <1.72 | 424 | 1,380 |
| | 30-Nov-12 | 11.7 | <1.72 | 393 | 1,500 |
| | 20-Aug-12 | 2.98 | <1.72 | 410 | 1,340 |
| | 8-May-12 | 1.84 | <1.72 | 364 | 1,560 |
| | 17-Feb-12 | 3.94 | <2.17 | 452 | 1,390 |
| | 8-Nov-11 | 2.60 | 2.80 | 436 | 1,340 |
| | 1-Aug-11 | <1.00 | <2.17 | 386 | 2,240 |
| | 26-Apr-11 | 3.49 | <10.0 | 435 | 1,440 |
| | 19-Jan-11 | 3.26 | <2.05 | 431 | 1,120 |
| | 1-Oct-10 | 5.70 | <10.0 | 386 | 1,390 |
| | 30-Jun-10 | 3.5 | <1.0 | 460 | 1,430 |
| | 30-Mar-10 | 3.0 | 1 | 520 | 1,518 |
| | 8-Dec-09 | 2.5 | 1 | 500 | 1,459 |
| | 12-Aug-09 | 1.8 | 1 | 520 | 1,476 |
| | 4-May-09 | 2.0 | 1 | 480 | 1,476 |

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Sampled | Nitrate as N (mg/l) | TKN (mg/l) | Chloride (mg/l) | TDS (mg/l) |
|---|---|---|---|---|---|
| 692-09 (Regional) | 28-Aug-23 | 4.2 | <1.0 | 400 | 1,390 |
| | 23-May-23 | 7.0 | <1.0 | 380 | 1,380 |
| | 28-Feb-23 | 8.2 | <1.0 | 400 | 1,400 |
| | 30-Nov-22 | 8.4 | <1.0 | 370 | 1,430 |
| | 23-Aug-22 | 5.4 | <1.0 | 410 | 1,420 |
| | 20-May-22 | 7.4 | <1.0 | 370 | 1,410 |
| | 1-Mar-22 | 8.5 | <1.0 | 360 | 1,460 |
| | 19-Nov-21 | 5.3 | <1.0 | 410 | 1,420 |
| | 23-Aug-21 | 3.6 | <1.0 | 410 | 1,370 |
| | 20-May-21 | 3.2 | <1.0 | 400 | 1,420 |
| | 9-Mar-21 | 8.2 | <1.0 | 390 | 1,380 |
| | 23-Nov-20 | 3.4 | <1.0 | 380 | 1,370 |
| | 26-Aug-20 | 4.7 | <1.0 | 400 | 1,410 |
| | 27-May-20 | 3.9 | <1.0 | 380 | 1,400 |
| | 19-Feb-20 | Not Sampled - insufficient water to sample | | | |
| | 2-Dec-19 | 6.4 | <1.0 | 350 | 1,420 |
| | 16-Aug-19 | 5.4 | <1.0 | 380 | 1,410 |
| | 29-May-19 | 3.9 | <1.0 | 390 | 1,390 |
| | 7-Mar-19 | 3.0 | <1.0 | 390 | 1,400 |
| | 4-Dec-18 | 3.2 | <1.0 | 400 | 1,410 |
| | 23-Aug-18 | 3.1 | <1.0 | 350 | 1,410 |
| | 30-May-18 | 4.2 | <1.0 | 410 | 1,420 |
| | 23-Feb-18 | <1.0 | <1.0 | 410 | 1,380 |
| | 30-Nov-17 | 0.746 | <0.0500 | 405 | 970 |
| | 22-Aug-17 | 3.93 | <0.0500 | 411 | 1,360 |
| | 5-Jun-17 | 2.76 | 1.47 | 408 | 1,340 |
| | 3-Mar-17 | 4.22 | <0.300 | 399 | 1,320 |
| | 30-Nov-16 | 4.39 | <0.300 | 420 | 1,380 |
| | 2-Sep-16 | 0.794 | <0.937 | 426 | 1,340 |
| | 31-May-16 | 2.96 | <2.24 | 438 | 1,400 |
| | 24-Feb-16 | 3.38 | <1.18 | 445 | 1,280 |
| | 2-Dec-15 | 2.88 | <1.18 | 435 | 1,320 |
| | 31-Aug-15 | 3.04 | <1.18 | 434 | 1,290 |
| | 28-May-15 | 2.85 | <1.18 | 460 | 1,380 |
| | 3-Mar-15 | 2.35 | <1.80 | 428 | 1,300 |
| | 2-Dec-14 | 1.94 | <1.80 | 444 | 1,420 |
| | 28-Aug-14 | 4.36 | <1.80 | 418 | 1,450 |
| | 2-Jun-14 | 6.81 | <1.80 | 459 | 1,300 |
| | 14-Mar-14 | 6.08 | <1.66 | 453 | 1,460 |
| | 4-Dec-13 | 3.43 | 2.10 | 465 | 1,440 |
| | 4-Sep-13 | 8.52 | 3.50 | 452 | 1,460 |
| | 28-May-13 | 8.92 | <1.66 | 457 | 1,410 |
| | 27-Feb-13 | 9.50 | <1.72 | 465 | 1,440 |
| | 29-Nov-12 | 7.91 | 13.3 | 425 | 1,410 |
| | 20-Aug-12 | 7.71 | <1.72 | 400 | 1,480 |
| | 7-May-12 | 7.80 | <1.72 | 391 | 1,470 |
| | 17-Feb-12 | 6.89 | <2.17 | 457 | 1,450 |
| | 8-Nov-11 | 10.6 | <2.17 | 455 | 1,400 |
| | 1-Aug-11 | 12.6 | <2.17 | 407 | 1,300 |
| | 26-Apr-11 | 10.8 | <10.0 | 420 | 1,140 |
| | 18-Jan-11 | 12.0 | <2.05 | 460 | 1,160 |
| | 1-Oct-10 | 15.0 | <10.0 | 387 | 1,480 |
| | 30-Jun-10 | 22 | <5.0 | 480 | 1,500 |
| | 30-Mar-10 | 11 | 1 | 520 | 1,606 |
| | 8-Dec-09 | 10 | 1 | 460 | 1,536 |
| | 12-Aug-09 | 6 | 1 | 460 | 1,675 |
| | 4-May-09 | 6 | 1 | 480 | 1,545 |

**TABLE 5. DISCHARGE PLAN MONITORING WELL GROUNDWATER ANALYTICAL RESULTS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Monitoring Well | Date Sampled | Nitrate as N (mg/l) | TKN (mg/l) | Chloride (mg/l) | TDS (mg/l) |
|---|---|---|---|---|---|
| 692-10 (Regional) | 29-Aug-23 | <1.0 | <1.0 | 630 | 1,640 |
| | 24-May-23 | <1.0 | <2.0 | 630 | 1,520 |
| | 1-Mar-23 | <1.0 | <1.0 | 640 | 1,540 |
| | 30-Nov-22 | <1.0 | 1.4 | 610 | 1,830 |
| **NMWQCC Standard** | | **10** | **NA** | **250** | **1,000** |
| **Existing Conditions - August 2020** | | **NA** | **NA** | **455** | **1,424** |
| **Existing Conditions - Pre-August 2020*** | | **NA** | **NA** | **503** | **2,552** |

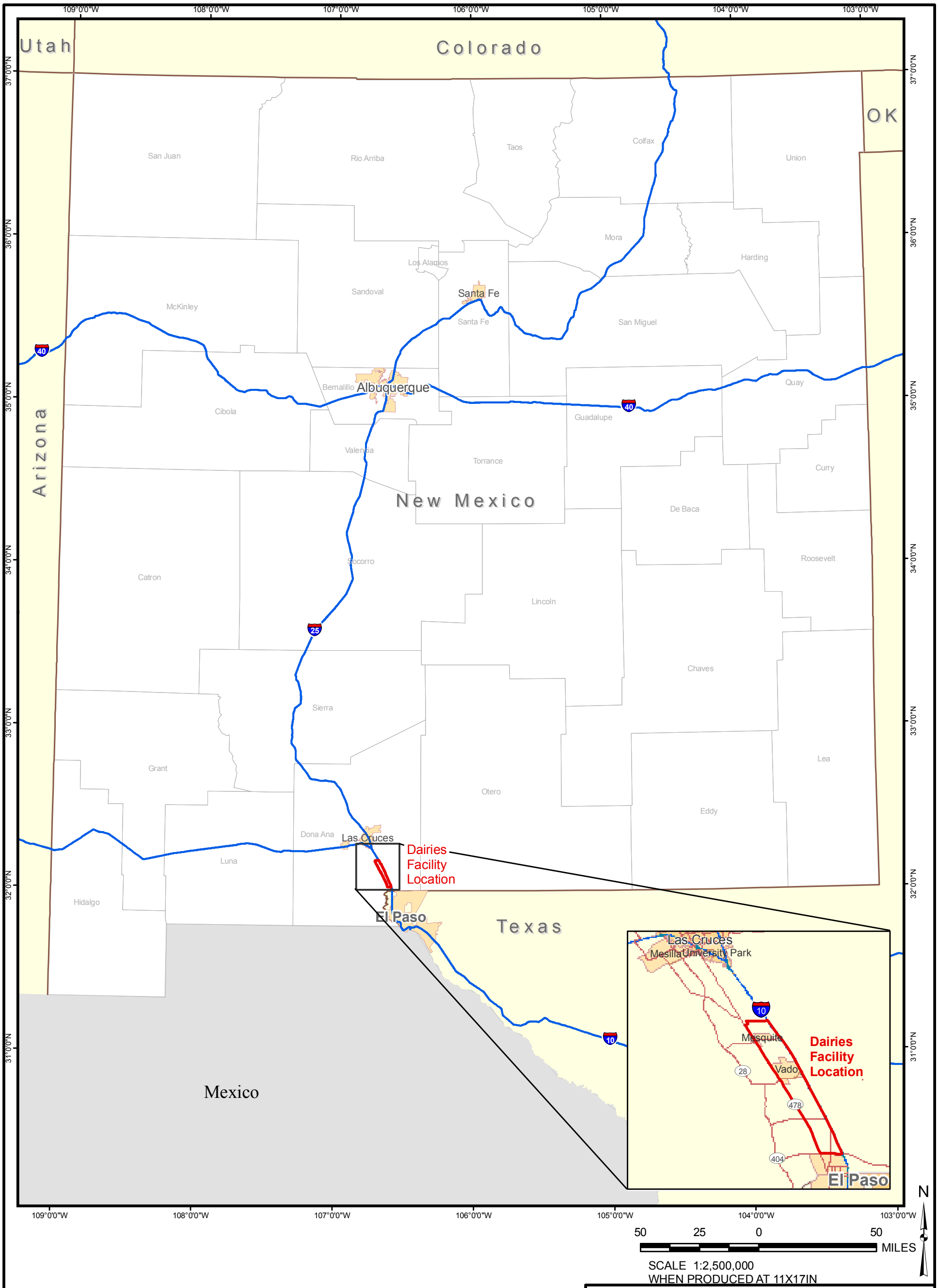
NOTES:
Data suspect
* = Pre-August 2020 existing conditions were in place prior to August 2020. This condition is no longer applicable.
mg/l = milligrams per liter
ND = Non-detect
NMWQCC = New Mexico Water Quality Control Commission
TDS = Total dissolved solids
TKN = Total Kjeldahl nitrogen

Data from current quarter.

Highlight is at or above NMWQCC Standard.

Highlight is at or above August 2020 existing conditions value. Applicable to samples collected in or after August 2020.

# FIGURES




SCALE 1:2,500,000
WHEN PRODUCED AT 11X17IN

**LEGEND:**

Facility Boundary

**REFERENCES**
Base Data: ESRI, 2008.

PROJECT

DOÑA ANA DAIRIES
MESQUITE, NEW MEXICO

TITLE

**SITE LOCATION MAP**

| | | |
|---|---|---|
| PROJECT No. | | 11x17_siteloc.mxd |
| DESIGN | | SCALE AS SHOWN / REV 0 |
| GIS | | FIGURE 1 |
| CHECK | | |
| REVIEW | | |

106°41'0"W 106°40'0"W 106°39'0"W 106°38'0"W

32°11'0"N 32°10'0"N 32°9'0"N 32°8'0"N 32°7'0"N

## LEGEND

- Discharge Plan Well With Water Elevations (Feet MSL)
- Abatement Plan Well With Water Elevations (Feet MSL)
- Abatement Plan Vertical Delineation Monitoring Well with Water Elevation (Feet MSL)
- Abatement Plan Well - Plugged and Abandoned
- Discharge Plan Well - Plugged and Abandoned
- Drain Crossing Location
- Potentiometric Contour
- Potentiometric Contour - Inferred
- Interstate Highway
- State Highway
- Other Road
- Land Owned by Dairies
- Land Application on Non-Dairy

Note(s):
* Well not used in contouring
Feet MSL = Feet above mean sea level
NM = Not measured

Bright Star & Buena Vista I LAA
Mountain View Dairy LAA
Organ Dairy
Mountain View Dairy
Buena Vista Dairy I
Bright Star Dairy
Dominguez Dairy 2
Dominguez Dairy 1
Gonzalez Dairy
Buena Vista Dairy II
Big Sky Dairy
River Valley Dairy

86/340-01 3815.62
70/86/340-01 3811.99
126-09 3810.99
70-03 3811.42
126-07* 3811.24
126-13* 3811.02
70-02 3812.74
126-04 3812.26
70-01 3810.94
70-04 3811.07
DAD-01 3811.17
126-05 3811.82
86-02 3812.93
86-01 3811.65
340-01 3811.80
624-09 3812.94
624-10 3813.06
624-08 Plugged and Abandoned
126-12 3812.63
340-02 DY
42-10 3810.08
42-12 3809.51
42-11 3809.31
42-07 Plugged and Abandoned
42-02 3813.93
42-06 3813.45
42-08 3813.72
624-05 Plugged and Abandoned
DAD-12 3812.71
42-09 Plugged and Abandoned
42-13 3812.10
42-03 3810.36
624-01 3814.20
624-04 Plugged and Abandoned
624-06 Plugged and Abandoned
624-11 3811.50
624-07 Plugged and Abandoned
DAD-13 3807.77
624-02 3814.25
177-01 NM
177-05 NM
177-06 NM
177-02 NM
177-04 NM
177-03A NM
DAD-11 3812.30
177-07 Plugged and Abandoned
177-07R NM
DAD-14 3808.84
DAD-10 3807.74
DAD-09 3805.09
74-03 3804.76
74-04 3802.10
74-01 3801.98
74-02 3801.41
74-05 3801.47
DAD-04 3802.46
167-06 NM
DAD-06A 3801.60
DAD-06 Plugged and Abandoned

DX1 DX1w DX2 DX25 DX26 DX27 DX28 DX29 DX30 DX31 DX3 DX4 DX5 DX20

228 10 478 28 180

3815 3814 3813 3812 3811 3810 3809 3808 3807 3806 3805 3804 3803 3802

## REFERENCES

Roads: Doña Ana County, 2001
Aerial Photography: NAIP, 2022
Projection: State Plane NAD 83 New Mexico Central (feet)

750 375 0 750 FEET
SCALE 1:9,000 1 " = 750 FT
WHEN PRODUCED AT 34X44IN

N

PROJECT
DOÑA ANA DAIRIES
MESQUITE, NEW MEXICO

TITLE
**POTENTIOMETRIC SURFACE MAP, AUGUST 2023, NORTHERN PORTION**

PROJECT No. 21464112.03
DESIGN NA
DRB MM,EC
CHECK CL
REVIEW TM
SCALE AS SHOWN REV 0

FIGURE 2

2023 -11-16 P:\gis\Commercial\Dona Ana Dairies - 21464112\02 August 2023\Projects\Fig 2 Dairies_North_Pot_2023_08.mxd EA-Albuquerque rmullen

106°40'0"W
106°39'0"W
106°38'0"W
106°37'0"W
32°7'0"N
32°6'0"N
32°5'0"N
32°4'0"N
32°3'0"N

## LEGEND

- Discharge Plan Well with Water Elevation (Feet MSL)
- Abatement Plan Well With Water Elevations (Feet MSL)
- Abatement Plan Vertical Delineation Well
- Abatement Plan Well - Plugged and Abandoned
- Discharge Plan Well - Plugged and Abandoned
- Drain Crossing Location
- Potentiometric Contour
- Potentiometric Contour - Inferred
- Land Owned by Dairies
- Land Application on Non-Dairy Property
- Stage 2 Abatement Plan

Note:
* Well not used in contouring
Feet MSL = Feet above mean sea level
NM = Not measured

Buena Vista Dairy II
River Valley Dairy
River Valley Dairy LAA
Big Sky Dairy
Sunset Dairy

DAD-03 3805'06
74-03 3804'76
74-04 3802'10
74-01 3801'98
DAD-04 3802'48
74-02 3801'41
74-05 3801'47
167-06 NM
DAD-06 Plugged and Abandoned
DAD-05B 3801'49
167-03 NM
167-07 NM
167-01A NM
167-02 NM
167-01 NM
167-04 NM
833-04 3800'39
833-06 3801'13
DAD-15 3800'50
833-03 Plugged and Abandoned
833-02 3798'87
DAD-16 3798'37
833-08 3798'74
DAD-19 3798'13
DAD-24 3797'25
833-05 3797'93
833-01 Plugged and Abandoned
833-07 3797'46
DAD-07 3798'07
167-08 NM
167-09 NM
833-09 3797'05
257-03 3800'58
167-05 NM
257/260-01 Plugged and Abandoned
DAD-05 3799'98
833-10 3797'92
257-01 3797'83
DAD-18 3797'79
DAD-08 3795'87
DAD-25 3802'83
257-02 3797'55
DAD-17 3797'02
MW-04 NM
Bruce1 NM

DX31 DX5 DX4 DX3 DX20 DX6 DX8 DX21 DX22 DX23 DX24 DX9 DX10 DX11 DX18

3807 3806 3805 3804 3803 3802 3801 3800 3799 3798 3797 3796

189 478 10

## REFERENCES

Roads: Doña Ana County, 2001
Aerial Photography: NAIP, 2022
Projection: State Plane NAD 83 New Mexico Central (feet)

750 375 0 750 FEET
SCALE 1:9,000 1 " = 750 FT
WHEN PRODUCED AT 34X44IN

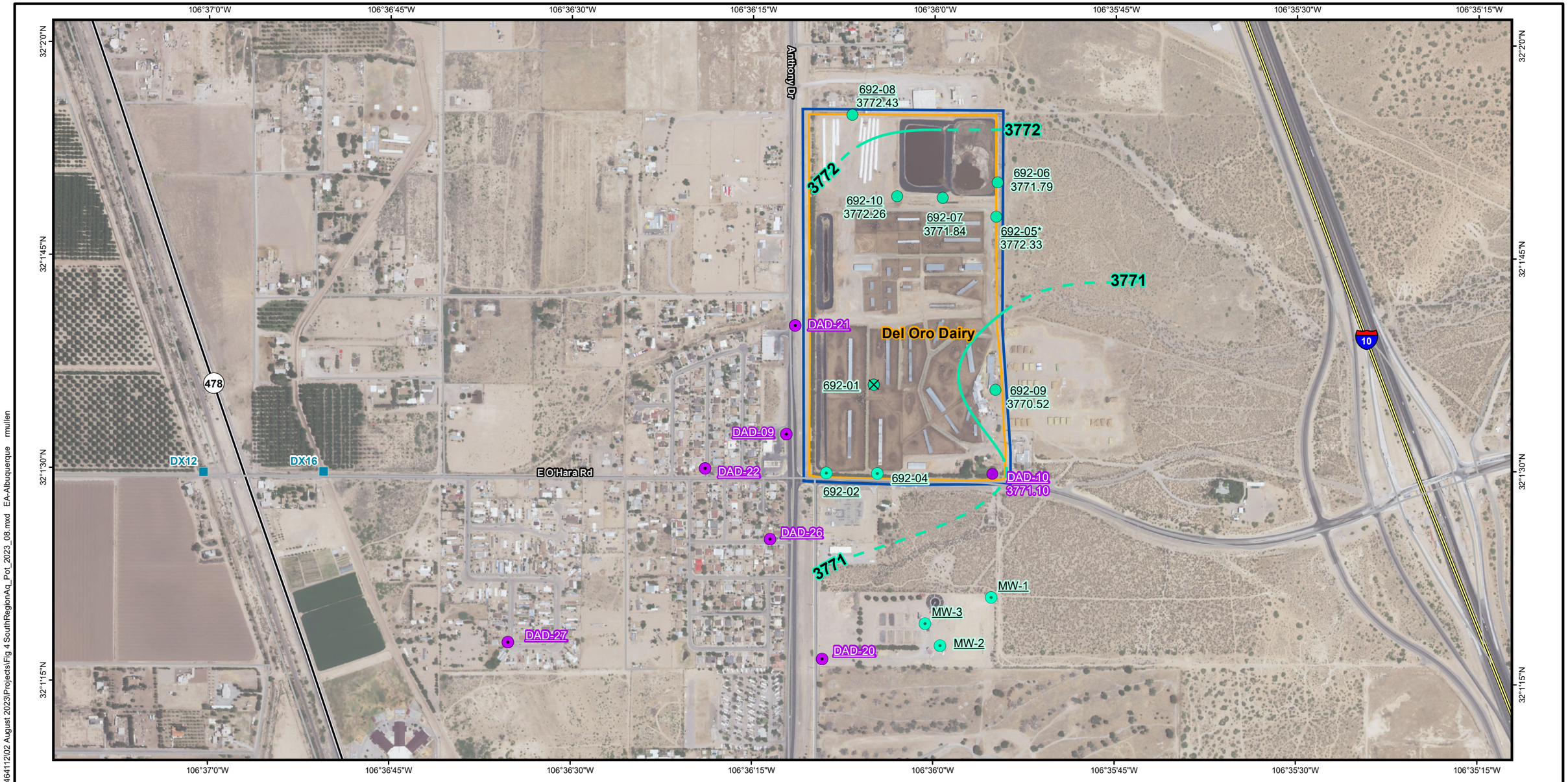
N

PROJECT
DOÑA ANA DAIRIES
MESQUITE, NEW MEXICO

TITLE
**POTENTIOMETRIC SURFACE MAP AUGUST 2023, CENTRAL PORTION**

| | | | |
|---|---|---|---|
| PROJECT No. 21464112.03 | | | |
| DESIGN | NA | SCALE AS SHOWN | REV 0 |
| GIS | RMM-DC | | |
| CHECK | CL | | FIGURE 3 |
| REVIEW | TM | | |

2023-11-16 P:\gis\Commercial\Dona Ana Dairies - 21464112\02 August 2023\Projects\Fig 3 Daines_Central_Pot_2023_08.mxd EA-Albuquerque rmullen




**LEGEND:**

- Drain Crossing Location

**Perched Aquifer Monitoring Well**

- Abatement Plan Well
- Discharge Plan Well
- Discharge Plan Well - Plugged and Abandoned

**Regional Aquifer Monitoring Well**

- Abatement Plan Well With Water Elevations (Feet Above Mean Sea Level)
- Discharge Plan Well with Water Elevation (Feet Above Mean Sea Level)

- Potentiometric Contour
- Potentiometric Contour - Inferred
- Land Owned by Dairies
- Stage 2 Abatement Plan Area

* Well not used in contouring

**REFERENCES**

Aerial Photography: NAIP 2022
Projection: State Plane NAD 83 New Mexico Central (feet)

700 350 0 700 FEET

SCALE 1:8,400 1 " = 700 FT
WHEN PRODUCED AT 11X17IN

N

PROJECT

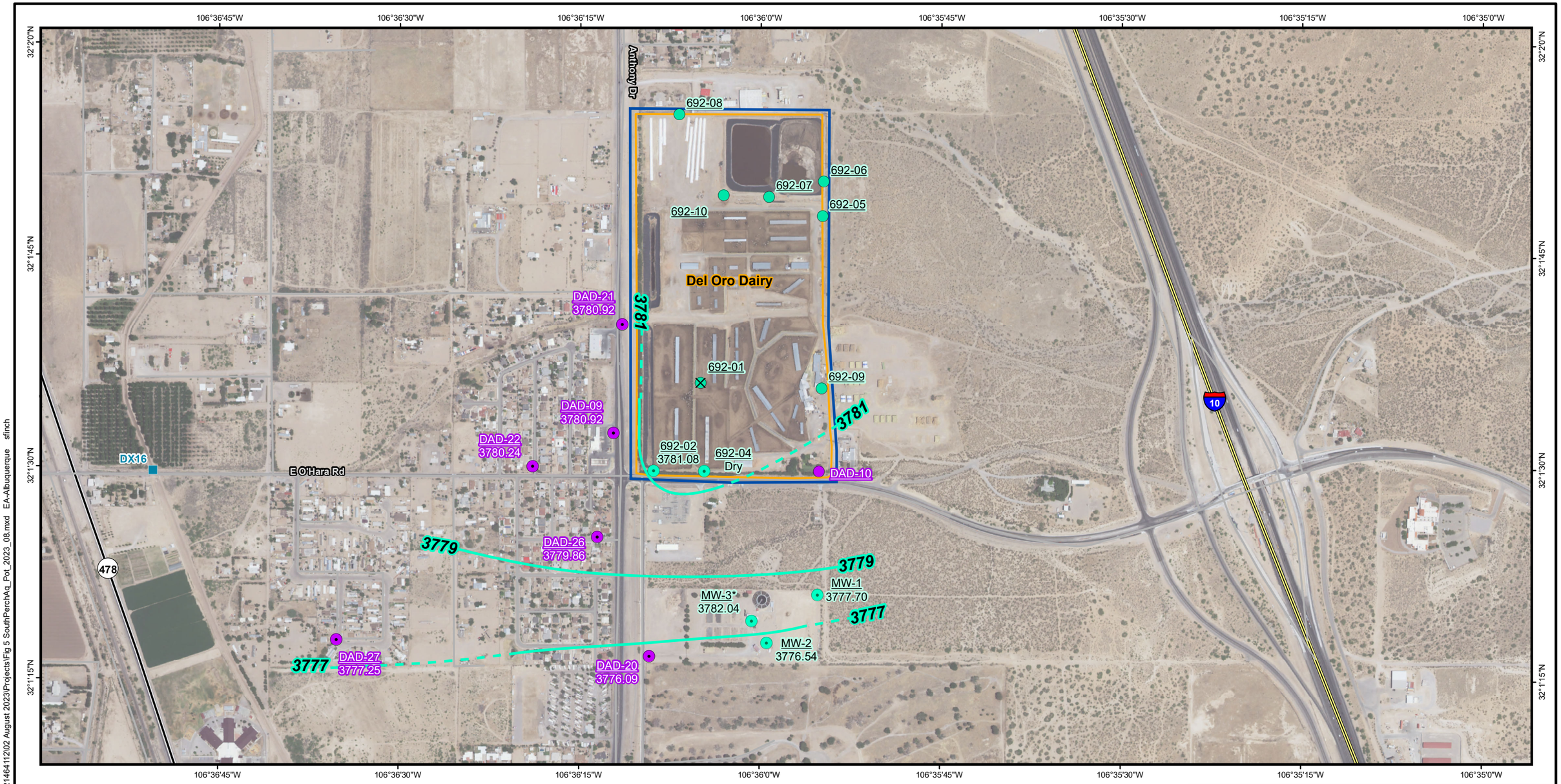
DOÑA ANA DAIRIES
MESQUITE, NEW MEXICO

TITLE

**POTENTIOMETRIC SURFACE MAP AUGUST 2023, SOUTHERN PORTION REGIONAL AQUIFER**

| | | | | |
|---|---|---|---|---|
| PROJECT No. 21464112.02 | | | Fig 4 SouthRegionAq_Pot.mxd | |
| DESIGN | NA | | SCALE AS SHOWN | REV 0 |
| GIS | RMM,EC | | FIGURE 4 | |
| CHECK | CL | | | |
| REVIEW | TM | | | |

2023 -11-16 P:\gis2\Commercial\Dona Ana Dairies - 21464112\02 August 2023\Projects\Fig 4 SouthRegionAq_Pot_2023_08.mxd EA-Albuquerque rmullen




2023 -11-22 P:\gis2\Commercial\Dona Ana Dairies - 21464112\02 August 2023\Projects\Fig 5 SouthPerchAq_Pot_2023_08.mxd EA-Albuquerque sfinch

**LEGEND:**

- Drain Crossing Location

**Perched Aquifer Monitoring Well**

- Abatement Plan Well With Water Elevations (Feet Above Mean Sea Level)
- Discharge Plan Well with Water Elevation (Feet Above Mean Sea Level)
- Discharge Plan Well - Plugged and Abandoned

**Regional Aquifer Monitoring Well**

- Abatement Plan Well
- Discharge Plan Well

- Potentiometric Contour
- Potentiometric Contour - Inferred
- Land Owned by Dairies
- Stage 2 Abatement Plan Area

Note:
* = Not used in contouring.

700 350 0 700 FEET

SCALE 1:8,400 1 " = 700 FT
WHEN PRODUCED AT 11X17IN

N

**REFERENCES**
Aerial Photography: NAIP 2022
Projection: State Plane NAD 83 New Mexico Central (feet)

PROJECT
DOÑA ANA DAIRIES
MESQUITE, NEW MEXICO

TITLE
**POTENTIOMETRIC SURFACE MAP AUGUST 2023, SOUTHERN PORTION PERCHED AQUIFER**

| | | | |
|---|---|---|---|
| PROJECT No. 21464112.03 | | | |
| DESIGN | NA | SCALE AS SHOWN | REV 0 |
| GIS | RMM, EC | | |
| CHECK | CL | | |
| REVIEW | TM | | |

FIGURE 5

106°41'0"W
106°40'0"W
106°39'0"W
32°11'0"N
32°10'0"N
32°9'0"N
32°8'0"N

## LEGEND:

- Abatement Plan Monitoring Well
- Discharge Plan Monitoring Well
- Discharge Plan Monitoring Well, Plugged and Abandoned or Destroyed
- Abatement Plan Vertical Delineation Monitoring Well
- Interstate Highway
- State Highway
- Other Road
- Land Owned by Dairies
- Land Application on Non-Dairy Property
- Stage 2 Abatement Plan Area

**Notes:**
Units are in milligrams per liter.

Cl = Chloride
LRG = irrigation well
$NO_3$ = Nitrate as N
NS = Not Sampled
TDS = Total Dissolved Solids

Bright Star & Buena Vista I LAA
Mountain View Dairy LAA
Organ Dairy
Mountain View Dairy
Buena Vista Dairy I
Bright Star Dairy
Dominguez Dairy 2
Dominguez Dairy 1
Gonzalez Dairy

88/340-01
NO3: 12.4
Cl: 260
TDS: 2280

70/88/340-01
NO3: 7.8
Cl: 2400
TDS: 7090

70-03
NO3: 38
Cl: 1600
TDS: 4100

126-09
NS

126-13
NO3: 14
Cl: 710
TDS: 645

70-02
NO3: 24
Cl: 580
TDS: 2510

126-07
NS

126-04
NS

70-01
NO3: 13
Cl: 640
TDS: 43180

70-04
NO3: 19
Cl: 580
TDS: 3040

DAD-01
NO3: 13
Cl: 590
TDS: 1810

126-05
NS

86-02
NS

86-01
NS

624-10
NO3: <1.0
Cl: 610
TDS: 2990

624-09
NO3: 4.0
Cl: 240
TDS: 1880

624-08
Plugged and Abandoned

126-12
NO3: 4.5
Cl: 450
TDS: 1120

340-01
NO3: 56
Cl: 910
TDS: 2870

340-02
NS

42-07
Plugged and Abandoned

42-10
NO3: 7.6
Cl: 430
TDS: 1310

42-12
NO3: <1.0
Cl: 270
TDS: 1030

42-11
NO3: <1.0
Cl: 350
TDS: 1310

42-06
NO3: 60
Cl: 330
TDS: 2170

42-02
NO3: 1.1
Cl: 490
TDS: 2480

42-08
NO3: 21
Cl: 270
TDS: 1880

624-05
Plugged and Abandoned

42-13
NO3: 36
Cl: 1000
TDS: 3280

42-09
Plugged and Abandoned

DAD-12
NO3: 11
Cl: 800
TDS: 3040

42-03
NO3: 36
Cl: 1000
TDS: 3160

624-01
NO3: 11
Cl: 880
TDS: 2750

624-06
Plugged and Abandoned

624-11
NO3: 8.2
Cl: 1500
TDS: 4410

624-04
Plugged and Abandoned

624-07
Plugged and Abandoned

DAD-13
NO3: 11
Cl: 680
TDS: 2000

624-02
NO3: 9.8
Cl: 750
TDS: 3010

177-01
NS

177-05
NS

177-06
NS

177-02
NS

177-04
NS

177-03A
NS

DAD-11
NO3: 24
Cl: 860
TDS: 3280

177-07
Plugged and Abandoned

177-07R
NS

DAD-14
NO3: 70
Cl: 1400
TDS: 3930

DAD-23
NO3: 19
Cl: 570
TDS: 2300

DAD-02
NO3: 6.0
Cl: 610
TDS: 2070

228
10
478

**REFERENCES**
Roads: Doña Ana County, 2001
Aerial Photography: NAIP, 2022
Projection: State Plane NAD 83 New Mexico Central (feet)

600 300 0 600 FEET
SCALE 1:7,200 1 " = 600 FT
WHEN PRODUCED AT 34X44IN

N

PROJECT
**DOÑA ANA DAIRIES**
**MESQUITE, NEW MEXICO**

TITLE
**GROUNDWATER ANALYTICAL RESULTS**
**AUGUST/SEPTEMBER 2023**
**NORTHERN PORTION**

| | | | |
|---|---|---|---|
| PROJECT No. 21464112.03 | | | Fig 6 Dairies_North_Analytical.mxd |
| DESIGN | NA | SCALE AS SHOWN | REV 0 |
| GIS | RMM | | |
| CHECK | | | FIGURE 6 |
| REVIEW | | | |

2023-10-30 P:\gis\Documents\Doña Ana Dairies - 21464112\400 August 2023\Fnoes\Fig 6 Dairies_North_analytical.mxd EA-Dallas mullen

106°39'0"W
106°38'0"W
32°7'0"N
32°6'0"N
32°5'0"N

**LEGEND:**

- Abatement Plan Monitoring Well
- Abatement Plan Monitoring Well, Plugged and Abandoned
- Discharge Plan Monitoring Well
- Discharge Plan Monitoring Well, Plugged and Abandoned
- Abatement Plan Vertical Delineation Monitoring Well
- Interstate Highway
- State Highway
- Other Road
- Land Owned by Dairies
- Land Application on Non-Dairy Property
- Stage 2 Abatement Plan Area

**Notes:**
Units are in milligrams per liter.

Cl = Chloride
LRG = irrigation well
$NO_3$ = Nitrate as N
NS = Not Sampled
TDS = Total Dissolved Solids

DAD-03
NO3: <1.0
Cl: 280
TDS: 2070

74-03
NO3: <1.0
Cl: 210
TDS: 1260

Buena Vista Dairy II

74-01
NO3: 13
Cl: 790
TDS: 2830

74-04
NO3: 13
Cl: 640
TDS: 2130

74-05
NO3: 16
Cl: 620
TDS: 2250

74-02
NO3: <1.0
Cl: 650
TDS: 2540

DAD-04
NO3: <1.0
Cl: 890
TDS: 2240

167-06
NS

DAD-06R
NO3: 63
Cl: 110
TDS: 726

DAD-06
Plugged and Abandoned

833-04
NO3: 37
Cl: 900
TDS: 2970

167-03
NS

167-07
NS

167-01A
NS

167-02
NS

167-01
NS

167-04
NS

833-06
NO3: 14
Cl: 790
TDS: 2500

DAD-15
NO3: 21
Cl: 710
TDS: 2660

833-03
Plugged and Abandoned

833-02
NO3: 40
Cl: 1400
TDS: 3990

River Valley Dairy

DAD-16
NO3: <1.0
Cl: 250
TDS: 1670

833-08
NO3: 67
Cl: 1000
TDS: 3300

Big Sky Dairy

DAD-19
NO3: 31
Cl: 950
TDS: 2970

DAD-24
NO3: 6.0
Cl: 980
TDS: 2890

833-05
NO3: 22
Cl: 1000
TDS: 2960

833-01
Plugged and Abandoned

DAD-07
NO3: 34
Cl: 560
TDS: 2800

833-07
NO3: 86
Cl: 1400
TDS: 4620

167-08
NS

River Valley Dairy LAA

167-09
NS

833-09
NO3: 64
Cl: 780
TDS: 3560

257-03
NO3: 30
Cl: 370
TDS: 2000

167-05
NS

257/260-01
Plugged and Abandoned

DAD-05
NO3: <1.0
Cl: 97
TDS: 872

833-10
NO3: 3.4
Cl: 680
TDS: 2740

Sunset Dairy

257-01
NO3: 3.4
Cl: 890
TDS: 3540

DAD-18
NO3: 7.7
Cl: 630
TDS: 2600

DAD-08
NO3: 42
Cl: 1500
TDS: 4150

257-02
NO3: 4.5
Cl: 660
TDS: 2470

DAD-25
NO3: 7.6
Cl: 800
TDS: 2930

DAD-17
NO3: <1.0
Cl: 66
TDS: 613

MW-4
NO3: 1.2
Cl: 1200
TDS: 4010

Las Cruces Community Farms

**REFERENCES**
Roads: Doña Ana County, 2001
Aerial Photography: NAIP, 2022
Projection: State Plane NAD 83 New Mexico Central (feet)

500 250 0 500 FEET
SCALE 1:6,000 1 " = 500 FT
WHEN PRODUCED AT 34X44IN

N

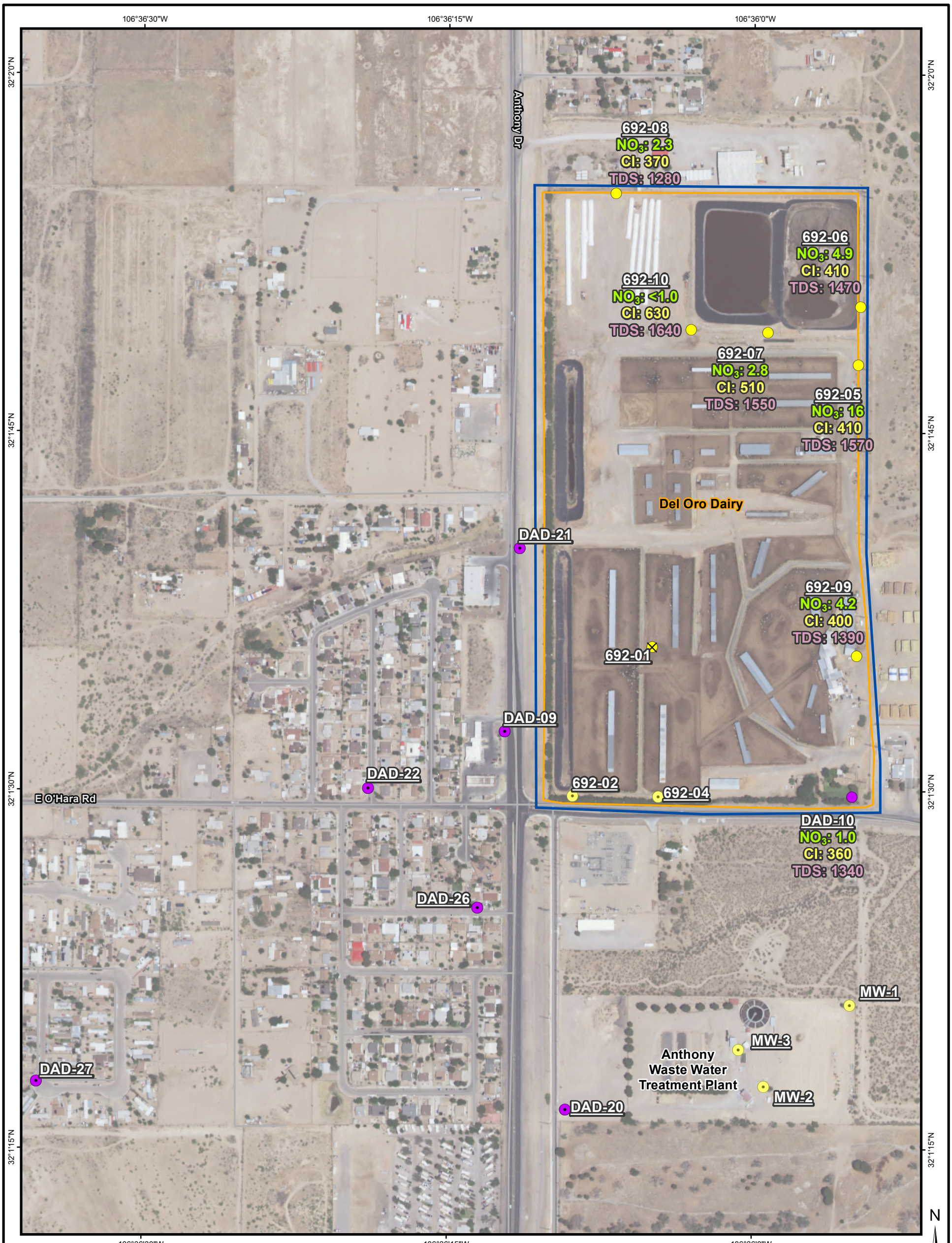
PROJECT
DOÑA ANA DAIRIES
MESQUITE, NEW MEXICO

TITLE
**GROUNDWATER ANALYTICAL RESULTS AUGUST/SEPTEMBER 2023 CENTRAL PORTION**

| | | | |
|---|---|---|---|
| PROJECT No. 21464112.03 | | | Fig 7 Dairies_Central_Analytical.mxd |
| DESIGN | NA | SCALE AS SHOWN | REV 0 |
| GIS | RMM | | |
| CHECK | | | |
| REVIEW | | | |

FIGURE 7

2023-11-13 P:\gis2k\Commercial\Doña Ana Dairies - 21464112\02 August 2023\Projects\Fig 7 Dairies_Central_analytical.mxd EA-Dallas mullen




**LEGEND:**

**Perched Aquifer Monitoring Well**

- Abatement Plan Monitoring Well
- Discharge Plan Monitoring Well
- Discharge Plan Monitoring Well - Plugged and Abandoned

**Regional Aquifer Monitoring Well**

- Abatement Plan Monitoring Well
- Discharge Plan Monitoring Well
- Land Owned by Dairies
- Stage 2 Abatement Plan Area

**Notes:**
Units are in milligrams per liter.

Cl = Chloride
LRG = irrigation well
$NO_3$ = Nitrate as N
TDS = Total Dissolved Solids

**REFERENCES**
Aerial Photography: NAIP, 2022
Projection: State Plane NAD 83 New Mexico Central (feet)

SCALE 1:4,800 1 " = 400 FT
WHEN PRODUCED AT 11X17IN

PROJECT
# DOÑA ANA DAIRIES
# MESQUITE, NEW MEXICO

TITLE
## GROUNDWATER ANALYTICAL RESULTS
## AUGUST/SEPTEMBER 2023
## SOUTHERN PORTION, REGIONAL AQUIFER

| | | | | |
|---|---|---|---|---|
| PROJECT No. 21464112.03 | | | | |
| DESIGN | NA | | SCALE AS SHOWN | REV 0 |
| GIS | RM | | FIGURE 8 | |
| CHECK | | | | |
| REVIEW | | | | |

2023 -10-30 P:\gis2\Commercial\Dona Ana Dairies - 21464112\02 August 2023\Projects\Fig 8 SouthRegionAq_Analytical.mxd EA-Albuquerque rmullen

106°36'30"W 106°36'15"W 106°36'0"W

32°1'45"N 32°1'30"N 32°1'15"N

Anthony Dr

E O'Hara Rd

692-08

692-06

692-10

692-07

692-05

Del Oro Dairy

692-01
Plugged and Abandoned

692-09

692-02
$NO_3$: 31
Cl: 480
TDS: 1830

692-04
Dry

DAD-10

DAD-21
$NO_3$: 35
Cl: 710
TDS: 2590

DAD-09
$NO_3$: 30
Cl: 410
TDS: 1640

DAD-22
$NO_3$: 14
Cl: 740
TDS: 2410

DAD-26
$NO_3$: 16
Cl: 930
TDS: 3030

DAD-27
$NO_3$: 6.8
Cl: 450
TDS: 2100

DAD-20
$NO_3$: 33
Cl: 690
TDS: 2340

MW-1

MW-3

Anthony Waste Water Treatment Plant

MW-2

106°36'30"W 106°36'15"W 106°36'0"W

400 200 0 400
FEET

SCALE 1:4,800 1 " = 400 FT
WHEN PRODUCED AT 11X17IN

N

**LEGEND:**

**Perched Aquifer Monitoring Well**

- Abatement Plan Monitoring Well
- Discharge Plan Monitoring Well
- Discharge Plan Monitoring Well - Plugged and Abandoned

**Regional Aquifer Monitoring Well**

- Abatement Plan Monitoring Well
- Discharge Plan Monitoring Well
- Land Owned by Dairies
- Stage 2 Abatement Plan Area

**Notes:**
Units are in milligrams per liter.

Cl = Chloride
LRG = irrigation well
mg/L = Milligram(s) per liter
$NO_3$ = Nitrate as N
NS = Not sampled
TDS = Total Dissolved Solids

**REFERENCES**
Aerial Photography: NAIP, 2022
Projection: State Plane NAD 83 New Mexico Central (feet)

PROJECT
**DOÑA ANA DAIRIES**
**MESQUITE, NEW MEXICO**

TITLE **GROUNDWATER ANALYTICAL RESULTS AUGUST/SEPTEMBER 2023 SOUTHERN PORTION, PERCHED AQUIFER**

| | | | | |
|---|---|---|---|---|
| PROJECT No. 21464112.02 | | | | |
| DESIGN | NA | | SCALE AS SHOWN | REV 0 |
| GIS | RM | | FIGURE 9 | |
| CHECK | | | | |
| REVIEW | | | | |

2023 -11-14 P:\gis2\Commercial\Dona Ana Dairies - 21464112\02 August 2023\Projects\Fig 9 SouthPerchAq_Analytical.mxd rmullen EA-Dallas

# APPENDIX A

# DEL ORO DAIRY PUMP AND REUSE SYSTEM PERFORMANCE ASSESSMENT

**APPENDIX A**
**PUMP AND REUSE SYSTEM PERFORMANCE ASSESSMENT**
**DEL ORO DAIRY, ANTHONY, NEW MEXICO**
**NOVEMBER 2023**

This quarterly performance assessment of the Del Oro Pump and Reuse System has been prepared in compliance with the Stage 2 Abatement Plan (S2AP) Modification Performance Plan (EA Engineering, Science, and Technology, Inc., PBC [EA] 2022). Note that references are included in the main document text.

The performance assessment evaluates pumping rates, total volume pumped, mass removed, and plume capture by the five extraction wells installed along the downgradient perimeter of the Del Oro Dairy property. A site background summary is included in the main report.

## Pump and Reuse System

The pump and reuse system is shown in plan view on Figure A1. The system consists of:

- Five, 4-inch diameter groundwater extraction wells completed in the perched aquifer (EW-01 through EW-05). The submerged screens in each well were installed at 14 to 15 feet below ground surface, representing the perched aquifer thickness (water table to confining clay).

- Five submersible solar groundwater pumps supplied by Rural Pumping Systems, complete with controllers and 4 x 100-Watt (400 Watt total) solar panels installed at each well head.

- Well head completions consisting of valves, flow meters, sample ports, and steel pipe fence and bollards to isolate from cattle.

- Main conveyance line consisting of 1.5-inch diameter high density polyethylene (HDPE) pipe connecting the extraction wells to HDPE storage tanks located at the milking parlor.

- Two 6,000 HDPE storage tanks plumbed in parallel.

- Transfer pump and pressure tank for delivery to the milking parlor.

A process flow diagram of the system is provided as Drawing P-1.

## Quarterly Performance Assessment

Startup testing began in late December 2022 following pump and solar panel installation. After several iterations of trouble-shooting, all pumps were pumping at capacity by April 2023 except for extraction well EW-3. The pump in this well is not functioning properly; however, permeability at well EW-3 is an order of magnitude less than at the other wells; the well yield and mass removal are low as a result of the lower permeability. Its omission from the well network is not expected to negatively impact system efficacy. Del Oro Dairy performs weekly meter reading and relays data to EA for record keeping and reporting.

Performance assessment will be used to evaluate average pumping rates, mass removal of nitrate, and plume capture by the five extraction wells. The performance assessment consists of three components: 1) tracking and reporting of extracted groundwater volume, 2) collection of groundwater samples from extraction wells and analysis of mass removal, and 3) capture analysis.

*Extracted Groundwater Volume*

Totalizing flow meters measure the volume of extracted groundwater from each extraction well as reported in Table A1. The aggregate volume of water pumped from the five wells is also measured at the storage tanks with a totalizing meter located just before outfall into the storage tanks. Weekly liquid depth measurements for the Del Oro lagoon cells (ultimate destination of extraction water) are provided in Attachment 1. Stable liquid levels in the lagoon cells indicate that extracted groundwater that is used to wash down the milking parlor and then transported to the lagoons for disposal does not exceed the capacity of the lagoons.

*Groundwater Sampling Results and Nitrate Mass Removal*

Groundwater samples are collected from each extraction well quarterly on the abatement plan monitoring schedule. Analytical results for extraction well samples collected in August 2023 are provided in Table A2 and laboratory reports are provided in Attachment 2. Concentration trends and laboratory reports for AP monitoring wells are provided in the main report.

Since system startup in December 2022 nitrate concentrations have decreased in well EW-02, remained relatively steady in EW-04 and EW-05. Nitrate concentrations increased in EW-01 but have decreased this last quarter. EW-03 is less transmissive than the other extraction wells and was not sampled. Chloride and TDS concentrations in the extraction wells behaved similarly to the nitrate concentrations, except for the TDS in well EW-02, where concentrations initially decreased, but have been increasing since March 2023. The highest nitrate concentration was detected in EW-01 with a concentration of 180 mg/L. The highest concentrations of chloride and TDS were also detected in EW-01 with concentrations of 1,100 mg/L and 4,280 mg/L, respectively.

Nitrate mass removal rates are the product of flow rate and chemical concentrations, which yield total mass removed per quarter. Mass removal is summarized in Table A2. The nitrate mass removed this quarter was 475.6 pounds. Cumulative mass removed since startup is 894.4 pounds. A summary of nitrate mass removal is provided in Table A3.

*Capture Analysis*

Capture analysis is a function of flow rate, permeability (hydraulic conductivity), and hydraulic gradient. Flow rates are measured weekly via flow meters, and hydraulic gradient is calculated from quarterly water level measurements. Hydraulic conductivity for the perched aquifer was estimated based on observed grain size and typical values. For fine to medium sand, $10^{-2}$ to $10^{-3}$ centimeters per second (cm/s) is typical, and this range equates to 27 to 2.7 feet per day (ft/day). Since the sand was logged as “poorly graded fine sand,” permeability was assigned as 10 ft/day in higher yielding wells EW-1, EW-2, EW-4, and EW-5, and 1 ft/day for low yielding well EW-3. Based on these permeabilities and measured flow rates and gradient, the estimated capture width for each well is

provided in Table A4. Nitrate, chloride, and total dissolved solids (TDS) concentration trends for downgradient and key monitoring wells are provided in Attachment 3.

Attachments: Figure A1 – Extraction System Layout
Drawing P-1 –Process Flow Diagram
Table A1 – Pumping Volume and Rates
Table A2 – Extraction Well Groundwater Analytical Results
Table A3 – Summary of Nitrate Mass Removal
Table A4 – Capture Analysis for Pumping Wells
Attachment 1 – Weekly Liquid Depth Measurements for Lagoons
Attachment 2 – Analytical Laboratory Reports
Attachment 3 – Concentration Trends for Del Oro Extraction Wells and Abatement Plan Monitoring Wells in the Perched Aquifer

# FIGURE A1 and DRAWING P-1

106°36'30"W 106°36'15"W 106°36'0"W 106°35'45"W

32°2'0"N 32°1'45"N 32°1'30"N 32°1'15"N 32°1'0"N

Anthony Dr

692-08 692-06 692-10 692-07 692-05

Del Oro Dairy

EW-01 EW-02 EW-03 EW-04 EW-05

692-01 692-09 692-02 692-04 DAD-10

1.5" HDPE

Storage Tanks

DAD-21 DAD-09 DAD-22 DAD-26 DAD-27

E O'Hara Rd

Anthony Waste Water Treatment Plant

MW-1 MW-3 MW-2 DAD-20

**LEGEND:**

- Extraction Well
- Conveyance Line

**Perched Aquifer Monitoring Well**

- Abatement Plan Monitoring Well
- Discharge Plan Monitoring Well
- Discharge Plan Monitoring Well - Plugged and Abandoned

**Regional Aquifer Monitoring Well**

- Abatement Plan Monitoring Well
- Discharge Plan Monitoring Well
- Land Owned by Dairies
- Stage 2 Abatement Plan Area

**REFERENCES**

Aerial Photography: NAIP, 2011
PLSS: BLM, 2000
Projection: State Plane NAD 83 New Mexico Central (feet)

400 200 0 400 FEET

SCALE 1:6,000 1 " = 500 FT
WHEN PRODUCED AT 11X17IN

N

PROJECT

**DOÑA ANA DAIRIES**
**MESQUITE, NEW MEXICO**

TITLE

**EXTRACTION SYSTEM LAYOUT**
**DEL ORO DAIRY**

| | | | |
|---|---|---|---|
| PROJECT No. 21464111.03 | | | |
| DESIGN | NA | SCALE AS SHOWN | REV 0 |
| GIS | RM | FIGURE A1 | |
| CHECK | | | |
| REVIEW | | | |

2023 -09-07 P:\gis2\Commercial\Dona Ana Dairies - 21464112\02 August 2023\Projects\Fig A-1ExtractionLayout.mxd EA-Dallas rmullen

| Symbol | Specification |
|---|---|
| BV | BALL VALVE, CLASS 150 |
| CV | CHECK VALVE |
| F1 | DAE AS130U-50 1/2" WATER METER |
| F2 | DAE AS250U-100 1" WATER METER |
| LSH | PRESSURE SWITCH HIGH |
| PC | PUMP CONTROLLER |
| PS | BOSHART INDUSTRIES MODEL 69ES1Z4060 |
| PS | PUMPING SYSTEM<br>RURAL POWER SYSTEMS MODEL RPS 400 |
| PT | PRESSURE TANK |
| TP | TRANSFER PUMP |

4 X 100W SOLAR PANELS

PC

PUMP LEADS

MANIFOLD LEG (TYPICAL)
(OTHER LEGS ARE NOT SHOWN)

SAMPLE TAP

BV

CV

F1

BV

BV

F2

MANIFOLD LEGS

1.5-INCH

BV

BV

LSH

LSH

TANK 1
6,000-GALLONS

TANK 2
6,000-GALLONS

TP

PS

BV

PT

TO MILKING PARLOR

GROUND SURFACE

BV

BV

EW-1

EXTRACTION WELL

EXTRACTION WELL

EXTRACTION WELL

GROUNDWATER

PS

SUBMERSIBLE PUMP

PERCHED AQUIFER

AQUATARD

REGIONAL AQUIFER

| REV | DATE | DRAWN | CHECKED | REMARKS |
|---|---|---|---|---|
| 0 | 2/10/23 | JS | | |

REVISIONS

320 GOLD AVENUE, SW SUITE 1300
ALBUQUERQUE, NM, 87102
505-224-9013, HTTPS://EAESI.COM
EA ENGINEERING, SCIENCE, AND TECHNOLOGY, INC.

DESIGNED BY: JS
DRAWN BY: VM
CHECKED BY: JS

DEL ORO DAIRY, ANTHONY, NEW MEXICO
STAGE 2 ABATEMENT PLAN MODIFICATION

PROCESS FLOW DIAGRAM

PROJECT NUMBER:
1464110-01

DRAWING NO.:
P-1

P:\Active Projects\Domenici\Del Oro\Figures
Vener Mustafin 2/10/2023 10:46 AM C:\Users\vmustafin\OneDrive - EA Engineering, Science, and Technology, Inc., PBC\Documents\Work\Domenici Del Oro\Drawings\PDF_Domenici_Del_Oro.dwg

# TABLES
**(Provided in Electronic Format via CD Located on Front Cover of Report)**

**TABLE A1. PUMPING VOLUMES AND RATES**
**DEL ORO DAIRY, ANTHONY, NEW MEXICO**

| Date | Time | Elapsed Time (min) | EW-1[1] | $Q_{ave}$[2] | EW-2[1] | $Q_{ave}$[2] | EW-3[1] | $Q_{ave}$[2] | EW-4[1] | $Q_{ave}$[2] | EW-5[1] | $Q_{ave}$[2] | Tank[1] | $Q_{ave}$[2] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12/22/2022 | 12:45 PM | -- | 13,504 | | 13,740 | | 6750 | | 6,203 | | 12,120 | | 31,259 | |
| 1/3/2023 | 7:30 AM | 16,980 | 21,885 | 0.49 | 24,744 | 0.65 | 0.0 | 0.0 | 7,280 | 0.06 | 16,337 | 0.25 | 54,046 | 1.34 |
| 1/9/2023 | 7:30 AM | 8,640 | 27,541 | 0.65 | 33,425 | 1.00 | 0.0 | 0.0 | 8,274 | 0.12 | 21,870 | 0.64 | 73,388 | 2.24 |
| 1/13/2023 | 10:00 AM | 5,910 | 31,657 | 0.70 | 40,030 | 1.12 | 0.0 | 0.0 | 8,792 | 0.09 | 25,957 | 0.69 | 87,851 | 2.45 |
| 1/16/2023 | 2:00 PM | 4,560 | 33,565 | 0.42 | 42,838 | 0.62 | 0.0 | 0.0 | 9,047 | 0.06 | 27,529 | 0.34 | 94,214 | 1.40 |
| 1/23/2023 | 11:00 AM | 9,900 | 38,695 | 0.52 | 51,625 | 0.89 | 0.0 | 0.0 | 9,470 | 0.04 | 32,586 | 0.51 | 116,170 | 2.22 |
| 1/30/2023 | 9:00 AM | 9,960 | 40,325 | 0.16 | 63,627 | 1.21 | 0.0 | 0.0 | 9,471 | 0.00 | 38,804 | 0.62 | 138,126 | 2.20 |
| 2/6/2023 | 9:30 AM | 10,110 | 41,955 | 0.16 | 75,629 | 1.19 | 0.0 | 0.0 | 9,471 | 0.00 | 43,822 | 0.50 | 160,082 | 2.17 |
| 2/13/2023 | 9:00 AM | 10,050 | 43,585 | 0.16 | 87,631 | 1.19 | 0.0 | 0.0 | 9,471 | 0.00 | 49,440 | 0.56 | 182,038 | 2.18 |
| 2/20/2023 | 2:00 PM | 10,380 | 44,562 | 0.09 | 95,584 | 0.77 | 0.0 | 0.0 | 9,645 | 0.02 | 49,841 | 0.04 | 193,391 | 1.09 |
| 2/27/2023 | 11:25 AM | 9,925 | 46,355 | 0.18 | 105,471 | 1.00 | 1000 | 0.0 | 9,846 | 0.02 | 49,857 | 0.00 | 206,255 | 1.30 |
| 3/6/2023 | 11:30 AM | 10,085 | 48,796 | 0.24 | 118,557 | 1.30 | 143 | -0.08 | 10,002 | 0.02 | 53,215 | 0.33 | 223,524 | 1.71 |
| 3/13/2023 | 10:00 AM | 9,990 | 50,472 | 0.17 | 129,962 | 1.14 | 143 | 0.0 | 10,020 | 0.00 | 53,300 | 0.01 | 240,794 | 1.73 |
| 3/20/2023 | 9:45 AM | 10,065 | 50,472 | 0.00 | 141,036 | 1.10 | 143 | 0.0 | 16,435 | 0.64 | 58,117 | 0.48 | 264,263 | 2.33 |
| 3/27/2023 | 9:00 AM | 10,035 | 50,472 | 0.00 | 152,111 | 1.10 | 143 | 0.0 | 22,850 | 0.64 | 62,929 | 0.48 | 287,733 | 2.34 |
| 4/3/2023 | 10:30 AM | 10,170 | 50,472 | 0.00 | 165,216 | 1.29 | 689 | 0.05 | 31,638 | 0.86 | 64,978 | 0.20 | 316,928 | 2.87 |
| 4/10/2023 | 10:00 AM | 10,050 | 58,791 | 0.83 | 177,767 | 1.25 | 1254 | 0.06 | 39,593 | 0.79 | 73,732 | 0.87 | 351,146 | 3.40 |
| 4/17/2023 | 9:00 AM | 10,020 | 68,627 | 0.98 | 190,104 | 1.23 | 1750 | 0.05 | 47,154 | 0.75 | 80,639 | 0.69 | 386,386 | 3.52 |
| 4/24/2023 | 9:00 AM | 10,080 | 72,167 | 0.35 | 202,937 | 1.27 | 1983 | 0.02 | 55,452 | 0.82 | 82,848 | 0.22 | 422,932 | 3.63 |
| 5/1/2023 | 10:30 AM | 10,170 | 19,889 | 1.96 | 215,777 | 1.26 | 2143 | 0.02 | 63,694 | 0.81 | 86,694 | 0.38 | 461,244 | 3.77 |
| 5/8/2023 | 10:30 AM | 10,080 | 31,596 | 1.16 | 227,871 | 1.20 | 2321 | 0.02 | 70,149 | 0.64 | 88,583 | 0.19 | 494,210 | 3.27 |
| 5/15/2023 | 10:00 AM | 10,050 | 43,484 | 1.18 | 239,586 | 1.17 | 2445 | 0.01 | 76,270 | 0.61 | 89,708 | 0.11 | 525,635 | 3.13 |
| 5/22/2023 | 10:45 AM | 10,125 | 55,372 | 1.17 | 251,186 | 1.15 | 2566 | 0.01 | 82,391 | 0.60 | 90,832 | 0.11 | 557,060 | 3.10 |
| 5/29/2023 | 9:30 AM | 10,005 | 67,341 | 1.20 | 262,562 | 1.14 | 2587 | 0.00 | 86,327 | 0.39 | 90,992 | 0.02 | 584,871 | 2.78 |
| 6/5/2023 | 10:00 AM | 10,110 | 80,923 | 1.34 | 275,163 | 1.25 | 2587 | 0.00 | 90,312 | 0.39 | 90,992 | 0.00 | 620,587 | 3.53 |
| 6/12/2023 | 10:00 AM | 10,080 | 94,505 | 1.35 | 287,765 | 1.25 | 2587 | 0.00 | 94,307 | 0.40 | 90,992 | 0.00 | 656,304 | 3.54 |
| 6/19/2023 | 10:30 AM | 10,110 | 108,529 | 1.39 | 300,599 | 1.27 | 2587 | 0.00 | 97,848 | 0.35 | 91,000 | 0.00 | 677,677 | 2.11 |
| 6/26/2023 | 10:00 AM | 10,050 | 122,469 | 1.39 | 313,269 | 1.26 | 2682 | 0.01 | 100,849 | 0.30 | 95,708 | 0.47 | 711,332 | 3.35 |
| 7/3/2023 | 4:15 PM | 10,455 | 136,750 | 1.37 | 325,789 | 1.20 | 2762 | 0.01 | 103,476 | 0.25 | 100,664 | 0.47 | 747,124 | 3.42 |
| 7/10/2023 | 11:00 AM | 9,765 | 149,015 | 1.26 | 338,601 | 1.31 | 2763 | 0.00 | 106,104 | 0.27 | 105,013 | 0.45 | 779,317 | 3.30 |
| 7/17/2023 | 11:15 AM | 10,095 | 161,422 | 1.23 | 351,058 | 1.23 | 2763 | 0.00 | 108,733 | 0.26 | 108,512 | 0.35 | 810,775 | 3.12 |
| 7/24/2023 | 10:30 AM | 10,035 | 173,023 | 1.16 | 362,424 | 1.13 | 2763 | 0.00 | 110,821 | 0.21 | 110,867 | 0.23 | 838,842 | 2.80 |
| 7/31/2023 | 9:00 AM | 9,990 | 185,966 | 1.30 | 375,764 | 1.34 | 2763 | 0.00 | 112,871 | 0.21 | 113,252 | 0.24 | 871,594 | 3.28 |
| 8/7/2023 | 9:30 AM | 10,110 | 196,377 | 1.03 | 387,480 | 1.16 | 2763 | 0.00 | 114,375 | 0.15 | 115,067 | 0.18 | 898,842 | 2.70 |
| 8/14/2023 | 9:00 AM | 10,050 | 206,788 | 1.04 | 399,197 | 1.17 | 2763 | 0.00 | 115,879 | 0.15 | 116,883 | 0.18 | 924,510 | 2.55 |
| 8/21/2023 | 10:00 AM | 10,140 | 218,382 | 1.14 | 410,496 | 1.11 | 2763 | 0.00 | 117,872 | 0.20 | 118,646 | 0.17 | 951,852 | 2.70 |
| 8/28/2023 | 11:00 AM | 10,140 | 229,976 | 1.14 | 421,795 | 1.11 | 2763 | 0.00 | 119,864 | 0.20 | 120,408 | 0.17 | 979,194 | 2.70 |

Notes:

[1] Meter readings in total gallons

[2] $Q_{avg}$ Average discharge in gallons per minute (total volume pumped [end meter - beginning meter] / time in pumping period (minutes)

**TABLE A2. DEL ORO DAIRY EXTRACTION WELL ANALYTICAL RESULTS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

| Extraction Well | Date Sampled | Nitrate (mg/l) | TKN (mg/l) | Chloride (mg/l) | TDS (mg/l) |
|---|---|---|---|---|---|
| EW-01 | 8/29/2023 | 180 | <5.0 | 1,100 | 4,280 |
| | 5/19/2023 | 190 | <1.0 | 1,100 | 4,220 |
| | 3/1/2023 | 130 | <5.0 | 820 | 3,400 |
| | 10/27/2022 | 160 | <5.0 | 1,100 | 4,490 |
| EW-02 | 8/30/2023 | 120 | <5.0 | 810 | 3,340 |
| | 5/18/2023 | 130 | <1.0 | 870 | 3,280 |
| | 3/1/2023 | 130 | <5.0 | 820 | 3,190 |
| | 10/27/2022 | 150 | <5.0 | 950 | 3,910 |
| EW-03 | 8/30/2023 | Not Sampled | | | |
| | 5/18/2023 | | | | |
| | 2/27/2023 | 74 | <5.0 | 670 | 2,520 |
| | 10/27/2022 | 99 | <5.0 | 710 | 3,180 |
| EW-04 | 8/25/2023 | 29 | <5.0 | 420 | 1,580 |
| | 5/18/2023 | 28 | <5.0 | 410 | 1,510 |
| | 2/27/2023 | 20 | <5.0 | 430 | 1,450 |
| | 10/27/2022 | 25 | <5.0 | 390 | 1,510 |
| **EW-05** | 8/25/2023 | 14 | <2.0 | 450 | 1,750 |
| | 5/18/2023 | 17 | <2.0 | 490 | 1,820 |
| | 3/15/2023 | 15 | 14 | 510 | 1,800 |
| | 10/27/2022 | 12 | <2.0 | 410 | 1,800 |
| **NMWQCC Standard** | | **10** | **NA** | **250** | **1,000** |
| **Existing Conditions** | | **NA** | **NA** | **455** | **1,424** |

NOTES:
* = Pre-August 2020 existing conditions were in place prior to August 2020. This condition is no longer applicable.
NMWQCC = New Mexico Water Quality Control Commission
TDS = Total dissolved solids
TKN = Total Kjeldahl Nitrogen
Data from current quarter.
Highlight is at or above NMWQCC Standard.
Highlight is at or above relevant existing conditions value. Applicable to samples collected in or after August 2020.

**TABLE A3. SUMMARY OF NITRATE MASS REMOVAL**
**DEL ORO DAIRY, ANTHONY, NEW MEXICO**

| Sampling Date | Pumping Period Start | Pumping Period End | Days Pumping | EW-1 | | | EW-2 | | | EW-3 | | | EW-4 | | | EW-5 | | | Total Mass This Period[3] | Cumulative Mass Removed[4] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | $Q_{avg}$[1] | $C$[2] | $M_{total}$[3] | $Q_{avg}$ | C | $M_{total}$[3] | $Q_{avg}$ | C | $M_{total}$[3] | $Q_{avg}$ | C | $M_{total}$[3] | $Q_{avg}$ | C | $M_{total}$[3] | | |
| 3/1/2023 | 12/22/2023 | 2/27/2022 | 67 | 0.35 | 130 | 37.0 | 0.96 | 130 | 100.4 | 0 | 74 | 0.0 | 0.04 | 20 | 0.6 | 0.42 | 15 | 5.0 | 143.0 | 143.0 |
| 5/19/2023 | 3/6/2023 | 5/15/2023 | 79 | 0.62 | 190 | 109.5 | 1.21 | 130 | 145.1 | 0 | NS | 0.0 | 0.60 | 28 | 15.5 | 0.36 | 17 | 5.6 | 275.7 | 418.8 |
| 8/28/2023 - 8/30/23 | 5/22/2023 | 8/28/2023 | 98 | 1.23 | 180 | 279.4 | 1.20 | 120 | 182.1 | 0 | NS | 0.0 | 0.29 | 29 | 10.5 | 0.20 | 14 | 3.6 | 475.6 | 894.4 |

Notes:

[1] $Q_{avg}$ Average discharge gallons per minute (total volume pumped / time in pumping period (minutes)

[2] C Nitrate concentration milligrams per liter (mg/L)

[3] $M_{total}$ Total mass removed (pounds) this pumping period from all extraction wells

[4] Cumulative mass of nitrate removed (pounds) since start of pumping

**TABLE A4. CAPTURE ANALYSIS FOR PUMPING WELLS**
**DEL ORO DAIRY, ANTHONY, NEW MEXICO**

| Date | Hydraulic Gradient | EW-1 | | EW-2 | | EW-3 | | EW-4 | | EW-5 | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | $Q_{avg}$ [1] | Capture Width [2] | $Q_{avg}$ [1] | Capture Width [2] | $Q_{avg}$ [1] | Capture Width [2] | $Q_{avg}$ [1] | Capture Width [2] | $Q_{avg}$ [1] | Capture Width [2] |
| 4/17/2023 | 0.004 | 0.98 | 337 | 1.23 | 424 | 0.05 | 172 | 0.75 | 241 | 0.69 | 221 |
| 5/15/2023 | 0.003 | 0.62 | 286 | 1.21 | 555 | 0.00 | 0 | 0.60 | 257 | 0.36 | 154 |
| 8/28/2023 | 0.004 | 1.23 | 424 | 1.20 | 413 | 0.00 | 0 | 0.29 | 92 | 0.20 | 65 |

Notes:

Transmissivity ($ft^2$/day)

| Well | K | b | T |
|---|---|---|---|
| EW-1 | 10 | 14 | 140 |
| EW-2 | 10 | 14 | 140 |
| EW-3 | 1 | 14 | 14 |
| EW-4 | 10 | 15 | 150 |
| EW-5 | 10 | 15 | 150 |

1. Q ($ft^3$/day) = [$Q_{avg}$/7.48]*1,440 minutes/day = Average pumping rate this reporting period (gpm) divided by 7.48 gallons per cubic foot water times 1,440 minutes per day

2. Capture Width = Q/(Ti) (Todd, David Keith 1980. Groundwater Hydrology, 2nd Edition. John Wiley and Sons.)

T = transmissivity ($ft^2$/day)

K = hydraulic conductivity (ft/day)

b = aquifer thickness ≈ screen submergence (ft)

# ATTACHMENTS

# ATTACHMENT 1 – WEEKLY LIQUID DEPTH MEASUREMENTS FOR LAGOONS

**CAFO Weekly Storage and Containment Structure Inspections**
**Log Sheet**

Facility Name: __Del Oro Dairy_____ NPDES Permit No.: ___NMG010026____

Storage or Containment Structure: ___**Evaporative Pond** A_____ (Instructions on back)

| Week | Date | Initials | Depth Marker Reading | Notes | Date Corrected |
|---|---|---|---|---|---|
| Week 1 | 1-3-23 | ER | 9- | | |
| Week 2 | 1-10-23 | ER | 9- | | |
| Week 3 | 1-17-23 | ER | 9- | | |
| Week 4 | 1-24-23 | ER | 9- | | |
| Week 5 | 1-31-23 | ER | 9- | | |
| Week 6 | 2-7-23 | ER | 9- | | |
| Week 7 | 2-14-23 | ER | 9- | | |
| Week 8 | 2-21-23 | ER | 9- | | |
| Week 9 | 2-28-23 | ER | 9- | | |
| Week 10 | 3-7-23 | ER | 9- | | |
| Week 11 | 3-14-23 | ER | 9- | | |
| Week 12 | 3-21-23 | ER | 9- | | |
| Week 13 | 3-28-23 | ER | 9- | | |
| Week 14 | 4-4-23 | ER | 9- | | |
| Week 15 | 4-11-23 | ER | 9- | | |
| Week 16 | 4-18-23 | ER | 9- | | |
| Week 17 | 4-25-23 | ER | 9- | | |
| Week 18 | 5-2-23 | ER | 9- | | |
| Week 19 | 5-9-23 | ER | 9- | | |
| Week 20 | 5-16-23 | ER | 9- | | |
| Week 21 | 5-23-23 | ER | 9- | | |
| Week 22 | 5-30-23 | ER | 9- | | |
| Week 23 | 6-6-23 | ER | 9- | | |
| Week 24 | 6-13-23 | ER | 9- | | |
| Week 25 | 6-20-23 | ER | 9- | | |
| Week 26 | 6-27-23 | ER | 9- | | |
| Week 27 | 7-4-23 | ER | 9- | | |
| Week 28 | 7-11-23 | ER | 9- | | |
| Week 29 | 7-18-23 | ER | 9- | | |
| Week 30 | 7-25-23 | ER | 9- | | |
| Week 31 | 8-1-23 | ER | 9- | | |
| Week 32 | 8-8-23 | ER | 9- | | |
| Week 33 | 8-15-23 | ER | 9- | | |
| Week 34 | 8-22-23 | ER | 9- | | |
| Week 35 | 8-29-23 | ER | 9- | | |
| Week 36 | 9-4-23 | ER | 9- | | |
| Week 37 | 9-11-23 | ER | 9- | | |
| Week 38 | 9-18-23 | ER | 9- | | |
| Week 39 | 9-25-23 | ER | 9- | | |
| Week 40 | 10-2-23 | ER | 9- | | |
| Week 41 | 10-9-23 | ER | 9- | | |
| Week 42 | 10-16-23 | ER | 9- | | |
| Week 43 | 10-23-23 | ER | 9- | | |
| Week 44 | 10-30-23 | ER | 9- | | |
| Week 45 | 11-6-23 | ER | 9- | | |
| Week 46 | 11-13-23 | ER | 9- | | |
| Week 47 | 11-20-23 | | | | |
| Week 48 | 11-27-23 | | | | |
| Week 49 | | | | | |
| Week 50 | | | | | |
| Week 51 | | | | | |
| Week 52 | | | | | |

**CAFO Weekly Storage and Containment Structure Inspections**
**Log Sheet**

Facility Name: __Del Oro Dairy_____ NPDES Permit No.: ___NMG010026____

Storage or Containment Structure: ___**Evaporative Pond**___B___ (Instructions on back)

| Week | Date | Initials | Depth Marker Reading | Notes | Date Corrected |
|---|---|---|---|---|---|
| Week 1 | 1-3-23 | ER | 5- | | |
| Week 2 | 1-10-23 | ER | 5- | | |
| Week 3 | 1-17-23 | ER | 5- | | |
| Week 4 | 1-24-23 | ER | 5- | | |
| Week 5 | 1-31-23 | ER | 5- | | |
| Week 6 | 2-7-23 | ER | 5- | | |
| Week 7 | 2-14-23 | ER | 5- | | |
| Week 8 | 2-21-23 | ER | 5- | | |
| Week 9 | 2-28-23 | ER | 5- | | |
| Week 10 | 3-7-23 | ER | 5- | | |
| Week 11 | 3-14-23 | ER | 5- | | |
| Week 12 | 3-21-23 | ER | 5- | | |
| Week 13 | 3-28-23 | ER | 5- | | |
| Week 14 | 4-4-23 | ER | 5- | | |
| Week 15 | 4-11-23 | ER | 5- | | |
| Week 16 | 4-18-23 | ER | 5- | | |
| Week 17 | 4-25-23 | ER | 5- | | |
| Week 18 | 5-2-23 | ER | 4 1/2 | | |
| Week 19 | 5-9-23 | ER | 4 1/2 | | |
| Week 20 | 5-16-23 | ER | 4 1/2 | | |
| Week 21 | 5-23-23 | ER | 4 1/2 | | |
| Week 22 | 5-30-23 | ER | 4- | | |
| Week 23 | 6-6-23 | ER | 4- | | |
| Week 24 | 6-13-23 | ER | 4- | | |
| Week 25 | 6-20-23 | ER | 4- | | |
| Week 26 | 6-27-23 | ER | 4- | | |
| Week 27 | 7-4-23 | ER | 4- | | |
| Week 28 | 7-11-23 | ER | 4- | | |
| Week 29 | 7-18-23 | ER | 4- | | |
| Week 30 | 7-25-23 | ER | 3 1/2 | | |
| Week 31 | 8-1-23 | ER | 3 1/2 | | |
| Week 32 | 8-8-23 | ER | 3 1/2 | | |
| Week 33 | 8-15-23 | ER | 3 1/2 | | |
| Week 34 | 8-22-23 | ER | 3 1/2 | | |
| Week 35 | 8-29-23 | ER | 3 1/2 | | |
| Week 36 | 9-4-23 | ER | 3 1/2 | | |
| Week 37 | 9-11-23 | ER | 3 1/2 | | |
| Week 38 | 9-18-23 | ER | 3 1/2 | | |
| Week 39 | 9-25-23 | ER | 3 1/2 | | |
| Week 40 | 10-2-23 | ER | 3 1/2 | | |
| Week 41 | 10-9-23 | ER | 3 1/2 | | |
| Week 42 | 10-16-23 | ER | 3 1/2 | | |
| Week 43 | 16-23-23 | ER | 3 1/2 | | |
| Week 44 | 10-30-23 | ER | 3 1/2 | | |
| Week 45 | 11-6-23 | ER | 3 1/2 | | |
| Week 46 | 11-13-23 | ER | 3 1/2 | | |
| Week 47 | 11-20-23 | | | | |
| Week 48 | 11-27-23 | | | | |
| Week 49 | | | | | |
| Week 50 | | | | | |
| Week 51 | | | | | |
| Week 52 | | | | | |

# ATTACHMENT 2 – ANALYTICAL LABORATORY REPORTS

**(Provided in Electronic Format via CD Located on Front Cover of Report)**

HALL ENVIRONMENTAL ANALYSIS LABORATORY

*Hall Environmental Analysis Laboratory*
*4901 Hawkins NE*
*Albuquerque, NM 87109*
*TEL: 505-345-3975 FAX: 505-345-4107*
*Website: www.hallenvironmental.com*

September 15, 2023

Regina Mullen

EA Engineering
320 Gold Ave SW Suite 1210
Albuquerque, NM 87102
TEL:
FAX:

RE: Del Oro Dairy OrderNo.: 2308E65

Dear Regina Mullen:

Hall Environmental Analysis Laboratory received 3 sample(s) on 8/26/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering
**Client Sample ID:** EW-05
**Project:** Del Oro Dairy
**Collection Date:** 8/25/2023 11:45:00 AM
**Lab ID:** 2308E65-001
**Matrix:** GROUNDWA
**Received Date:** 8/26/2023 12:20:00 PM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **SNS** | |
| Chloride | 450 | 50 | * | mg/L | 100 | 8/29/2023 10:17:35 AM | R99346 |
| Sulfate | 250 | 5.0 | * | mg/L | 10 | 8/29/2023 9:38:59 AM | R99346 |
| Nitrate+Nitrite as N | 14 | 1.0 | * | mg/L | 5 | 8/30/2023 2:05:42 PM | R99393 |
| **SM2540C MOD: TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **KS** | |
| Total Dissolved Solids | 1750 | 50.0 | * | mg/L | 1 | 8/31/2023 4:55:00 PM | 77211 |
| **SM 4500 NORG C: TKN** | | | | | | Analyst: **DML** | |
| Nitrogen, Kjeldahl, Total | ND | 2.0 | D | mg/L | 1 | 9/1/2023 10:58:00 AM | 77212 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering
**Client Sample ID:** 692-02
**Project:** Del Oro Dairy
**Collection Date:** 8/25/2023 1:20:00 PM
**Lab ID:** 2308E65-002
**Matrix:** GROUNDWA
**Received Date:** 8/26/2023 12:20:00 PM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **SNS** | |
| Chloride | 480 | 50 | * | mg/L | 100 | 8/29/2023 10:43:18 AM | R99346 |
| Sulfate | 260 | 5.0 | * | mg/L | 10 | 8/29/2023 10:30:26 AM | R99346 |
| Nitrate+Nitrite as N | 31 | 1.0 | * | mg/L | 5 | 8/30/2023 2:18:03 PM | R99393 |
| **SM2540C MOD: TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **KS** | |
| Total Dissolved Solids | 1830 | 50.0 | * | mg/L | 1 | 8/31/2023 4:55:00 PM | 77211 |
| **SM 4500 NORG C: TKN** | | | | | | Analyst: **DML** | |
| Nitrogen, Kjeldahl, Total | ND | 5.0 | D | mg/L | 1 | 9/1/2023 10:58:00 AM | 77212 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering
**Client Sample ID:** EW-04
**Project:** Del Oro Dairy
**Collection Date:** 8/25/2023 2:48:00 PM
**Lab ID:** 2308E65-003
**Matrix:** GROUNDWA
**Received Date:** 8/26/2023 12:20:00 PM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **SNS** | |
| Chloride | 420 | 50 | * | mg/L | 100 | 8/29/2023 11:34:46 AM | R99346 |
| Sulfate | 220 | 5.0 | | mg/L | 10 | 8/29/2023 11:21:55 AM | R99346 |
| Nitrate+Nitrite as N | 29 | 1.0 | * | mg/L | 5 | 8/30/2023 2:30:24 PM | R99393 |
| **SM2540C MOD: TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **KS** | |
| Total Dissolved Solids | 1580 | 50.0 | * | mg/L | 1 | 8/31/2023 4:55:00 PM | 77211 |
| **SM 4500 NORG C: TKN** | | | | | | Analyst: **DML** | |
| Nitrogen, Kjeldahl, Total | ND | 5.0 | D | mg/L | 1 | 9/1/2023 11:01:00 AM | 77228 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2308E65**

***15-Sep-23***

**Client:** EA Engineering

**Project:** Del Oro Dairy

| Sample ID: **MB** | SampType: **MBLK** | TestCode: **EPA Method 300.0: Anions** |
|---|---|---|
| Client ID: **PBW** | Batch ID: **R99346** | RunNo: **99346** |
| Prep Date: | Analysis Date: **8/29/2023** | SeqNo: **3625008** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | ND | 0.50 | | | | | | | | |
| Sulfate | ND | 0.50 | | | | | | | | |

| Sample ID: **LCS** | SampType: **LCS** | TestCode: **EPA Method 300.0: Anions** |
|---|---|---|
| Client ID: **LCSW** | Batch ID: **R99346** | RunNo: **99346** |
| Prep Date: | Analysis Date: **8/29/2023** | SeqNo: **3625009** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 4.5 | 0.50 | 5.000 | 0 | 90.8 | 90 | 110 | | | |
| Sulfate | 9.5 | 0.50 | 10.00 | 0 | 94.9 | 90 | 110 | | | |

| Sample ID: **2308E65-001AMS** | SampType: **MS** | TestCode: **EPA Method 300.0: Anions** |
|---|---|---|
| Client ID: **EW-05** | Batch ID: **R99346** | RunNo: **99346** |
| Prep Date: | Analysis Date: **8/29/2023** | SeqNo: **3625011** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Sulfate | 350 | 5.0 | 100.0 | 252.1 | 98.4 | 80 | 120 | | | |

| Sample ID: **2308E65-001AMSD** | SampType: **MSD** | TestCode: **EPA Method 300.0: Anions** |
|---|---|---|
| Client ID: **EW-05** | Batch ID: **R99346** | RunNo: **99346** |
| Prep Date: | Analysis Date: **8/29/2023** | SeqNo: **3625012** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Sulfate | 350 | 5.0 | 100.0 | 252.1 | 97.1 | 80 | 120 | 0.362 | 20 | |

| Sample ID: **MB** | SampType: **MBLK** | TestCode: **EPA Method 300.0: Anions** |
|---|---|---|
| Client ID: **PBW** | Batch ID: **R99346** | RunNo: **99346** |
| Prep Date: | Analysis Date: **8/29/2023** | SeqNo: **3625058** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | ND | 0.50 | | | | | | | | |
| Sulfate | ND | 0.50 | | | | | | | | |

| Sample ID: **LCS** | SampType: **LCS** | TestCode: **EPA Method 300.0: Anions** |
|---|---|---|
| Client ID: **LCSW** | Batch ID: **R99346** | RunNo: **99346** |
| Prep Date: | Analysis Date: **8/29/2023** | SeqNo: **3625059** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 4.6 | 0.50 | 5.000 | 0 | 92.1 | 90 | 110 | | | |
| Sulfate | 9.6 | 0.50 | 10.00 | 0 | 96.4 | 90 | 110 | | | |

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. |
| B | Analyte detected in the associated Method Blank |
| E | Above Quantitation Range/Estimated Value |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2308E65**

***15-Sep-23***

**Client:** EA Engineering

**Project:** Del Oro Dairy

| Sample ID: **MB** | SampType: **mblk** | TestCode: **EPA Method 300.0: Anions** |
|---|---|---|
| Client ID: **PBW** | Batch ID: **R99393** | RunNo: **99393** |
| Prep Date: | Analysis Date: **8/30/2023** | SeqNo: **3626929** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Nitrate+Nitrite as N | ND | 0.20 | | | | | | | | |

| Sample ID: **LCS** | SampType: **lcs** | TestCode: **EPA Method 300.0: Anions** |
|---|---|---|
| Client ID: **LCSW** | Batch ID: **R99393** | RunNo: **99393** |
| Prep Date: | Analysis Date: **8/30/2023** | SeqNo: **3626930** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Nitrate+Nitrite as N | 3.4 | 0.20 | 3.500 | 0 | 96.9 | 90 | 110 | | | |

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. |
| B | Analyte detected in the associated Method Blank |
| E | Above Quantitation Range/Estimated Value |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2308E65**

***15-Sep-23***

**Client:** EA Engineering

**Project:** Del Oro Dairy

| Sample ID: **MB-77211** | SampType: **MBLK** | TestCode: **SM2540C MOD: Total Dissolved Solids** |
|---|---|---|
| Client ID: **PBW** | Batch ID: **77211** | RunNo: **99397** |
| Prep Date: **8/30/2023** | Analysis Date: **8/31/2023** | SeqNo: **3627106** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | ND | 50.0 | | | | | | | | |

| Sample ID: **LCS-77211** | SampType: **LCS** | TestCode: **SM2540C MOD: Total Dissolved Solids** |
|---|---|---|
| Client ID: **LCSW** | Batch ID: **77211** | RunNo: **99397** |
| Prep Date: **8/30/2023** | Analysis Date: **8/31/2023** | SeqNo: **3627107** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 1010 | 50.0 | 1000 | 0 | 101 | 80 | 120 | | | |

| Sample ID: **2308E65-001ADUP** | SampType: **DUP** | TestCode: **SM2540C MOD: Total Dissolved Solids** |
|---|---|---|
| Client ID: **EW-05** | Batch ID: **77211** | RunNo: **99397** |
| Prep Date: **8/30/2023** | Analysis Date: **8/31/2023** | SeqNo: **3627110** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 1760 | 50.0 | | | | | | 0.171 | 10 | * |

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. |
| B | Analyte detected in the associated Method Blank |
| E | Above Quantitation Range/Estimated Value |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2308E65**

***15-Sep-23***

**Client:** EA Engineering

**Project:** Del Oro Dairy

| Sample ID: **MB-77212** | SampType: **MBLK** | TestCode: **SM 4500 Norg C: TKN** | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Client ID: **PBW** | Batch ID: **77212** | RunNo: **99413** | | | | | | | |
| Prep Date: **8/30/2023** | Analysis Date: **9/1/2023** | SeqNo: **3628318** | Units: **mg/L** | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Nitrogen, Kjeldahl, Total | ND | 1.0 | | | | | | | | |

| Sample ID: **LCS-77212** | SampType: **LCS** | TestCode: **SM 4500 Norg C: TKN** | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Client ID: **LCSW** | Batch ID: **77212** | RunNo: **99413** | | | | | | | |
| Prep Date: **8/30/2023** | Analysis Date: **9/1/2023** | SeqNo: **3628319** | Units: **mg/L** | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Nitrogen, Kjeldahl, Total | 9.9 | 1.0 | 10.00 | 0 | 99.4 | 80 | 120 | | | |

| Sample ID: **MB-77228** | SampType: **MBLK** | TestCode: **SM 4500 Norg C: TKN** | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Client ID: **PBW** | Batch ID: **77228** | RunNo: **99414** | | | | | | | |
| Prep Date: **8/31/2023** | Analysis Date: **9/1/2023** | SeqNo: **3628352** | Units: **mg/L** | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Nitrogen, Kjeldahl, Total | ND | 1.0 | | | | | | | | |

| Sample ID: **LCS-77228** | SampType: **LCS** | TestCode: **SM 4500 Norg C: TKN** | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Client ID: **LCSW** | Batch ID: **77228** | RunNo: **99414** | | | | | | | |
| Prep Date: **8/31/2023** | Analysis Date: **9/1/2023** | SeqNo: **3628353** | Units: **mg/L** | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Nitrogen, Kjeldahl, Total | 10 | 1.0 | 10.00 | 0 | 101 | 80 | 120 | | | |

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

HALL ENVIRONMENTAL ANALYSIS LABORATORY

*Hall Environmental Analysis Laboratory*
*4901 Hawkins NE*
*Albuquerque, NM 87109*
*TEL: 505-345-3975 FAX: 505-345-4107*
*Website: www.hallenvironmental.com*

# Sample Log-In Check List

Client Name: EA Engineering | Work Order Number: 2308E65 | RcptNo: 1

Received By: Cheyenne Cason 8/26/2023 12:20:00 PM

Completed By: Cheyenne Cason 8/26/2023 12:46:16 PM

Reviewed By: SCM 8/28/23

## Chain of Custody

| | | | |
|---|---|---|---|
| 1. Is Chain of Custody complete? | Yes ☑ | No ☐ | Not Present ☐ |
| 2. How was the sample delivered? | FedEx | | |

## Log In

| | | | |
|---|---|---|---|
| 3. Was an attempt made to cool the samples? | Yes ☑ | No ☐ | NA ☐ |
| 4. Were all samples received at a temperature of >0° C to 6.0°C | Yes ☑ | No ☐ | NA ☐ |
| 5. Sample(s) in proper container(s)? | Yes ☑ | No ☐ | |
| 6. Sufficient sample volume for indicated test(s)? | Yes ☑ | No ☐ | |
| 7. Are samples (except VOA and ONG) properly preserved? | Yes ☑ | No ☐ | |
| 8. Was preservative added to bottles? | Yes ☐ | No ☑ | NA ☐ |
| 9. Received at least 1 vial with headspace <1/4" for AQ VOA? | Yes ☐ | No ☐ | NA ☑ |
| 10. Were any sample containers received broken? | Yes ☐ | No ☑ | |
| 11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) | Yes ☑ | No ☐ | |
| 12. Are matrices correctly identified on Chain of Custody? | Yes ☑ | No ☐ | |
| 13. Is it clear what analyses were requested? | Yes ☑ | No ☐ | |
| 14. Were all holding times able to be met? (If no, notify customer for authorization.) | Yes ☑ | No ☐ | |

# of preserved bottles checked for pH: 3 (<2 or >12 unless noted)

Adjusted? NO

Checked by: JMS 8/28/23

## Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: Date:

By Whom: Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding:

Client Instructions:

16. Additional remarks:

17. **Cooler Information**

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|---|---|---|---|---|---|---|
| 1 | 1.2 | Good | Not Present | Morty | | |

# Chain-of-Custody Record

**HALL ENVIRONMENTAL ANALYSIS LABORATORY**

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Client: EA Engineering, Science, and Technology

Mailing Address: 320 Gold Ave SW Suite

Phone #: 505-715-4279

email or Fax#: rmullen@eaest.com

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:

☑ Standard ☐ Rush

Project Name: Del Oro Dairy

Project #:

Project Manager: Gina Mullen

Sampler: Angel N. Rivera

On Ice: ☒ Yes ☐ No Mah

# of Coolers: 1

Cooler Temp(Including CF): 1.4+0.2=1.6

| Date | Time | Matrix | Sample Name | Container Type and # | Preservative Type | HEAL No. 2308F15 | Nitrate/Nitrites EPA Method 300 | TKN SM 4500 NORG C | Chloride EPA 300 | TDS SM 2540 C MOD | Sulfate EPA 300 | Phosphorus EPA 6010B | Total Sulfur |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8-25 | 11:45 | GW | EW-05 | 2 | | 001 | X | X | X | X | X | | |
| 8-25 | 13:20 | GW | 692-02 | 2 | | 002 | X | X | X | X | X | | |
| 8-25 | 14:48 | GW | EW-04 | 2 | | 003 | X | X | X | X | X | | |

Analysis Request

| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |
|---|---|---|---|---|---|---|
| 8-25 | 17:00 | | | | 8/26/23 | 1220 |
| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

*Hall Environmental Analysis Laboratory*
*4901 Hawkins NE*
*Albuquerque, NM 87109*
*TEL: 505-345-3975 FAX: 505-345-4107*
*Website: www.hallenvironmental.com*

September 14, 2023

Regina Mullen

EA Engineering
320 Gold Ave SW Suite 1210
Albuquerque, NM 87102
TEL:
FAX:

RE: Del Oro Dairy OrderNo.: 2308G23

Dear Regina Mullen:

Hall Environmental Analysis Laboratory received 4 sample(s) on 8/30/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman

Laboratory Manager

4901 Hawkins NE
Albuquerque, NM 87109

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering
**Client Sample ID:** 692-07
**Project:** Del Oro Dairy
**Collection Date:** 8/29/2023 11:08:00 AM
**Lab ID:** 2308G23-001
**Matrix:** GROUNDWA
**Received Date:** 8/30/2023 8:30:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **SNS** | |
| Chloride | 510 | 50 | * | mg/L | 100 | 8/30/2023 6:17:43 PM | R99369 |
| Nitrogen, Nitrite (As N) | ND | 1.0 | | mg/L | 10 | 8/30/2023 6:05:15 PM | R99369 |
| Nitrogen, Nitrate (As N) | 2.8 | 1.0 | | mg/L | 10 | 8/30/2023 6:05:15 PM | R99369 |
| Sulfate | 210 | 5.0 | | mg/L | 10 | 8/30/2023 6:05:15 PM | R99369 |
| **SM2540C MOD: TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **KS** | |
| Total Dissolved Solids | 1550 | 250 | *D | mg/L | 1 | 9/4/2023 6:24:00 PM | 77268 |
| **SM 4500 NORG C: TKN** | | | | | | Analyst: **DML** | |
| Nitrogen, Kjeldahl, Total | ND | 1.0 | | mg/L | 1 | 9/6/2023 12:40:00 PM | 77296 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering
**Client Sample ID:** 692-10
**Project:** Del Oro Dairy
**Collection Date:** 8/29/2023 12:05:00 PM
**Lab ID:** 2308G23-002
**Matrix:** GROUNDWA
**Received Date:** 8/30/2023 8:30:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **SNS** | |
| Chloride | 630 | 50 | * | mg/L | 100 | 8/30/2023 6:43:27 PM | R99369 |
| Nitrogen, Nitrite (As N) | ND | 1.0 | | mg/L | 10 | 8/30/2023 6:30:36 PM | R99369 |
| Nitrogen, Nitrate (As N) | ND | 1.0 | | mg/L | 10 | 8/30/2023 6:30:36 PM | R99369 |
| Sulfate | 200 | 5.0 | | mg/L | 10 | 8/30/2023 6:30:36 PM | R99369 |
| **SM2540C MOD: TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **KS** | |
| Total Dissolved Solids | 1640 | 500 | *D | mg/L | 1 | 9/4/2023 6:24:00 PM | 77268 |
| **SM 4500 NORG C: TKN** | | | | | | Analyst: **DML** | |
| Nitrogen, Kjeldahl, Total | ND | 1.0 | | mg/L | 1 | 9/6/2023 12:40:00 PM | 77296 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering
**Client Sample ID:** 692-08
**Project:** Del Oro Dairy
**Collection Date:** 8/29/2023 2:50:00 PM
**Lab ID:** 2308G23-003
**Matrix:** GROUNDWA
**Received Date:** 8/30/2023 8:30:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **SNS** | |
| Chloride | 370 | 50 | * | mg/L | 100 | 8/30/2023 7:09:11 PM | R99369 |
| Nitrogen, Nitrite (As N) | ND | 1.0 | | mg/L | 10 | 8/30/2023 6:56:19 PM | R99369 |
| Nitrogen, Nitrate (As N) | 2.3 | 1.0 | | mg/L | 10 | 8/30/2023 6:56:19 PM | R99369 |
| Sulfate | 180 | 5.0 | | mg/L | 10 | 8/30/2023 6:56:19 PM | R99369 |
| **SM2540C MOD: TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **KS** | |
| Total Dissolved Solids | 1280 | 100 | *D | mg/L | 1 | 9/4/2023 6:24:00 PM | 77268 |
| **SM 4500 NORG C: TKN** | | | | | | Analyst: **DML** | |
| Nitrogen, Kjeldahl, Total | ND | 1.0 | | mg/L | 1 | 9/6/2023 12:40:00 PM | 77296 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering
**Client Sample ID:** EW-01
**Project:** Del Oro Dairy
**Collection Date:** 8/29/2023 3:53:00 PM
**Lab ID:** 2308G23-004
**Matrix:** GROUNDWA
**Received Date:** 8/30/2023 8:30:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **SNS** | |
| Chloride | 1100 | 50 | * | mg/L | 100 | 8/30/2023 7:34:54 PM | R99369 |
| Nitrogen, Nitrite (As N) | ND | 1.0 | | mg/L | 10 | 8/30/2023 7:22:03 PM | R99369 |
| Nitrogen, Nitrate (As N) | 180 | 10 | * | mg/L | 100 | 8/30/2023 7:34:54 PM | R99369 |
| Sulfate | 630 | 50 | * | mg/L | 100 | 8/30/2023 7:34:54 PM | R99369 |
| **SM2540C MOD: TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **KS** | |
| Total Dissolved Solids | 4280 | 50.0 | * | mg/L | 1 | 9/4/2023 6:24:00 PM | 77268 |
| **SM 4500 NORG C: TKN** | | | | | | Analyst: **DML** | |
| Nitrogen, Kjeldahl, Total | ND | 5.0 | D | mg/L | 1 | 9/6/2023 12:40:00 PM | 77296 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2308G23**

***14-Sep-23***

**Client:** EA Engineering

**Project:** Del Oro Dairy

| Sample ID: **MB** | SampType: **MBLK** | TestCode: **EPA Method 300.0: Anions** |
|---|---|---|
| Client ID: **PBW** | Batch ID: **R99369** | RunNo: **99369** |
| Prep Date: | Analysis Date: **8/30/2023** | SeqNo: **3626099** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | ND | 0.50 | | | | | | | | |
| Nitrogen, Nitrite (As N) | ND | 0.10 | | | | | | | | |
| Nitrogen, Nitrate (As N) | ND | 0.10 | | | | | | | | |
| Sulfate | ND | 0.50 | | | | | | | | |

| Sample ID: **LCS** | SampType: **LCS** | TestCode: **EPA Method 300.0: Anions** |
|---|---|---|
| Client ID: **LCSW** | Batch ID: **R99369** | RunNo: **99369** |
| Prep Date: | Analysis Date: **8/30/2023** | SeqNo: **3626100** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 4.6 | 0.50 | 5.000 | 0 | 92.7 | 90 | 110 | | | |
| Nitrogen, Nitrite (As N) | 0.98 | 0.10 | 1.000 | 0 | 98.1 | 90 | 110 | | | |
| Nitrogen, Nitrate (As N) | 2.5 | 0.10 | 2.500 | 0 | 98.8 | 90 | 110 | | | |
| Sulfate | 9.6 | 0.50 | 10.00 | 0 | 96.3 | 90 | 110 | | | |

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. |
| B | Analyte detected in the associated Method Blank |
| E | Above Quantitation Range/Estimated Value |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2308G23**

***14-Sep-23***

**Client:** EA Engineering

**Project:** Del Oro Dairy

| Sample ID: **MB-77268** | SampType: **MBLK** | TestCode: **SM2540C MOD: Total Dissolved Solids** |
|---|---|---|
| Client ID: **PBW** | Batch ID: **77268** | RunNo: **99432** |
| Prep Date: **9/3/2023** | Analysis Date: **9/4/2023** | SeqNo: **3628994** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | ND | 50.0 | | | | | | | | |

| Sample ID: **LCS-77268** | SampType: **LCS** | TestCode: **SM2540C MOD: Total Dissolved Solids** |
|---|---|---|
| Client ID: **LCSW** | Batch ID: **77268** | RunNo: **99432** |
| Prep Date: **9/3/2023** | Analysis Date: **9/4/2023** | SeqNo: **3628995** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 1010 | 50.0 | 1000 | 0 | 101 | 80 | 120 | | | |

| Sample ID: **2308G23-004ADUP** | SampType: **DUP** | TestCode: **SM2540C MOD: Total Dissolved Solids** |
|---|---|---|
| Client ID: **EW-01** | Batch ID: **77268** | RunNo: **99432** |
| Prep Date: **9/3/2023** | Analysis Date: **9/4/2023** | SeqNo: **3629001** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 4330 | 50.0 | | | | | | 1.25 | 10 | * |

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. |
| B | Analyte detected in the associated Method Blank |
| E | Above Quantitation Range/Estimated Value |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2308G23**

***14-Sep-23***

**Client:** EA Engineering

**Project:** Del Oro Dairy

| Sample ID: **MB-77296** | SampType: **MBLK** | TestCode: **SM 4500 Norg C: TKN** |
|---|---|---|
| Client ID: **PBW** | Batch ID: **77296** | RunNo: **99486** |
| Prep Date: **9/5/2023** | Analysis Date: **9/6/2023** | SeqNo: **3632129** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Nitrogen, Kjeldahl, Total | ND | 1.0 | | | | | | | | |

| Sample ID: **LCS-77296** | SampType: **LCS** | TestCode: **SM 4500 Norg C: TKN** |
|---|---|---|
| Client ID: **LCSW** | Batch ID: **77296** | RunNo: **99486** |
| Prep Date: **9/5/2023** | Analysis Date: **9/6/2023** | SeqNo: **3632130** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Nitrogen, Kjeldahl, Total | 10 | 1.0 | 10.00 | 0 | 101 | 80 | 120 | | | |

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. |
| B | Analyte detected in the associated Method Blank |
| E | Above Quantitation Range/Estimated Value |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

HALL ENVIRONMENTAL ANALYSIS LABORATORY

*Hall Environmental Analysis Laboratory*
*4901 Hawkins NE*
*Albuquerque, NM 87109*
*TEL: 505-345-3975 FAX: 505-345-4107*
*Website: www.hallenvironmental.com*

# Sample Log-In Check List

Client Name: EA Engineering | Work Order Number: 2308G23 | RcptNo: 1

Received By: Joseph Alderette 8/30/2023 8:30:00 AM

Completed By: Cheyenne Cason 8/30/2023 9:47:40 AM

Reviewed By: JA 8-30-23

## Chain of Custody

| | | | |
|---|---|---|---|
| 1. Is Chain of Custody complete? | Yes ☑ | No ☐ | Not Present ☐ |
| 2. How was the sample delivered? | FedEx | | |

## Log In

| | | | |
|---|---|---|---|
| 3. Was an attempt made to cool the samples? | Yes ☑ | No ☐ | NA ☐ |
| 4. Were all samples received at a temperature of >0° C to 6.0°C | Yes ☑ | No ☐ | NA ☐ |
| 5. Sample(s) in proper container(s)? | Yes ☑ | No ☐ | |
| 6. Sufficient sample volume for indicated test(s)? | Yes ☑ | No ☐ | |
| 7. Are samples (except VOA and ONG) properly preserved? | Yes ☑ | No ☐ | |
| 8. Was preservative added to bottles? | Yes ☐ | No ☑ | NA ☐ |
| 9. Received at least 1 vial with headspace <1/4" for AQ VOA? | Yes ☐ | No ☐ | NA ☑ |
| 10. Were any sample containers received broken? | Yes ☐ | No ☑ | |
| 11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) | Yes ☑ | No ☐ | |
| 12. Are matrices correctly identified on Chain of Custody? | Yes ☑ | No ☐ | |
| 13. Is it clear what analyses were requested? | Yes ☑ | No ☐ | |
| 14. Were all holding times able to be met? (If no, notify customer for authorization.) | Yes ☑ | No ☐ | |

# of preserved bottles checked for pH: 4 (<2 or >12 unless noted)

Adjusted? NO

Checked by: JA 8/30/23

## Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: Date:

By Whom: Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding:

Client Instructions:

16. Additional remarks:

17. **Cooler Information**

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|---|---|---|---|---|---|---|
| 1 | 1.2 | Good | Not Present | Morty | | |

# Chain-of-Custody Record

Client:

EA Engineering, Science, and Technology

Mailing Address:

320 Gold Ave SW Suite

Phone #: 505-715-4279

email or Fax#: rmullen@eaest.com

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

☐ NELAC ☐ Other_____

☐ EDD (Type) _____

Turn-Around Time:

☑ Standard ☐ Rush_____

Project Name:

Del Oro Dairy

Project #:

Project Manager:

Gina Mullen

Sampler: Angel N. Rivera

On Ice: ☑ Yes ☐ No

# of Coolers: 1

Cooler Temp (including CF): 1.4 - 0.2 = 1.2°C mostly


**HALL ENVIRONMENTAL ANALYSIS LABORATORY**

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107


**Analysis Request**

| Date | Time | Matrix | Sample Name | Container Type and # | Preservative Type | HEAL No. 2308G23 | Nitrate/Nitrites EPA Method 300 | TKN SM 4500 NORG C | Chloride EPA 300 | TDS SM 2540 C MOD | Sulfate EPA 300 | | Phosphorus EPA 6010B | Total Sulfur | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8-29 | 11:08 | Gw | 692-07 | 2 | | 001 | X | X | X | X | X | | | | | | | | | | |
| 8-29 | 12:05 | Gw | 692-10 | 2 | | 002 | X | X | X | X | X | | | | | | | | | | |
| 8-29 | 14:50 | Gw | 692-08 | 2 | | 003 | X | X | X | X | X | | | | | | | | | | |
| 8-29 | 15:53 | Gw | EW-01 | 2 | | 004 | X | X | X | X | X | | | | | | | | | | |

| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |
|---|---|---|---|---|---|---|
| 8-29 | 17:35 | | | fedex | 8-30-23 | 8:30 |
| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

*Hall Environmental Analysis Laboratory*
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*Albuquerque, NM 87109*
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*Website: www.hallenvironmental.com*

September 12, 2023

Regina Mullen

EA Engineering
320 Gold Ave SW Suite 1210
Albuquerque, NM 87102
TEL:
FAX:

RE: Del Oro Dairy OrderNo.: 2308H33

Dear Regina Mullen:

Hall Environmental Analysis Laboratory received 1 sample(s) on 8/31/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman

Laboratory Manager

4901 Hawkins NE
Albuquerque, NM 87109

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering
**Client Sample ID:** EW-02
**Project:** Del Oro Dairy
**Collection Date:** 8/30/2023 10:15:00 AM
**Lab ID:** 2308H33-001
**Matrix:** GROUNDWA
**Received Date:** 8/31/2023 8:45:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **SNS** | |
| Chloride | 810 | 50 | * | mg/L | 100 | 8/31/2023 6:03:08 PM | R99400 |
| Nitrogen, Nitrite (As N) | ND | 1.0 | | mg/L | 10 | 8/31/2023 5:50:16 PM | R99400 |
| Nitrogen, Nitrate (As N) | 120 | 10 | * | mg/L | 100 | 8/31/2023 6:03:08 PM | R99400 |
| Sulfate | 460 | 50 | * | mg/L | 100 | 8/31/2023 6:03:08 PM | R99400 |
| **SM2540C MOD: TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **KS** | |
| Total Dissolved Solids | 3340 | 50.0 | * | mg/L | 1 | 9/5/2023 5:42:00 PM | 77269 |
| **SM 4500 NORG C: TKN** | | | | | | Analyst: **DML** | |
| Nitrogen, Kjeldahl, Total | ND | 5.0 | D | mg/L | 1 | 9/8/2023 1:52:00 PM | 77352 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2308H33**

***12-Sep-23***

**Client:** EA Engineering

**Project:** Del Oro Dairy

| Sample ID: **MB** | SampType: **MBLK** | TestCode: **EPA Method 300.0: Anions** |
|---|---|---|
| Client ID: **PBW** | Batch ID: **R99400** | RunNo: **99400** |
| Prep Date: | Analysis Date: **8/31/2023** | SeqNo: **3627415** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | ND | 0.50 | | | | | | | | |
| Nitrogen, Nitrite (As N) | ND | 0.10 | | | | | | | | |
| Nitrogen, Nitrate (As N) | ND | 0.10 | | | | | | | | |
| Sulfate | ND | 0.50 | | | | | | | | |

| Sample ID: **LCS** | SampType: **LCS** | TestCode: **EPA Method 300.0: Anions** |
|---|---|---|
| Client ID: **LCSW** | Batch ID: **R99400** | RunNo: **99400** |
| Prep Date: | Analysis Date: **8/31/2023** | SeqNo: **3627421** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 4.6 | 0.50 | 5.000 | 0 | 92.2 | 90 | 110 | | | |
| Nitrogen, Nitrite (As N) | 0.97 | 0.10 | 1.000 | 0 | 97.4 | 90 | 110 | | | |
| Nitrogen, Nitrate (As N) | 2.5 | 0.10 | 2.500 | 0 | 98.4 | 90 | 110 | | | |
| Sulfate | 9.5 | 0.50 | 10.00 | 0 | 95.5 | 90 | 110 | | | |

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. |
| B | Analyte detected in the associated Method Blank |
| E | Above Quantitation Range/Estimated Value |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2308H33**

***12-Sep-23***

**Client:** EA Engineering

**Project:** Del Oro Dairy

| Sample ID: **MB-77269** | SampType: **MBLK** | TestCode: **SM2540C MOD: Total Dissolved Solids** |
|---|---|---|
| Client ID: **PBW** | Batch ID: **77269** | RunNo: **99453** |
| Prep Date: **9/4/2023** | Analysis Date: **9/5/2023** | SeqNo: **3630358** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | ND | 50.0 | | | | | | | | |

| Sample ID: **LCS-77269** | SampType: **LCS** | TestCode: **SM2540C MOD: Total Dissolved Solids** |
|---|---|---|
| Client ID: **LCSW** | Batch ID: **77269** | RunNo: **99453** |
| Prep Date: **9/4/2023** | Analysis Date: **9/5/2023** | SeqNo: **3630359** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 1020 | 50.0 | 1000 | 0 | 102 | 80 | 120 | | | |

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. |
| B | Analyte detected in the associated Method Blank |
| E | Above Quantitation Range/Estimated Value |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2308H33**

***12-Sep-23***

**Client:** EA Engineering

**Project:** Del Oro Dairy

| Sample ID: **MB-77352** | SampType: **MBLK** | TestCode: **SM 4500 Norg C: TKN** |
|---|---|---|
| Client ID: **PBW** | Batch ID: **77352** | RunNo: **99556** |
| Prep Date: **9/7/2023** | Analysis Date: **9/8/2023** | SeqNo: **3635574** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Nitrogen, Kjeldahl, Total | ND | 1.0 | | | | | | | | |

| Sample ID: **LCS-77352** | SampType: **LCS** | TestCode: **SM 4500 Norg C: TKN** |
|---|---|---|
| Client ID: **LCSW** | Batch ID: **77352** | RunNo: **99556** |
| Prep Date: **9/7/2023** | Analysis Date: **9/8/2023** | SeqNo: **3635575** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Nitrogen, Kjeldahl, Total | 10 | 1.0 | 10.00 | 0 | 102 | 80 | 120 | | | |

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. |
| B | Analyte detected in the associated Method Blank |
| E | Above Quantitation Range/Estimated Value |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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*Albuquerque, NM 87109*
*TEL: 505-345-3975 FAX: 505-345-4107*
*Website: www.hallenvironmental.com*

# Sample Log-In Check List

Client Name: EA Engineering | Work Order Number: 2308H33 | RcptNo: 1

Received By: Juan Rojas 8/31/2023 8:45:00 AM

Completed By: Tracy Casarrubias 8/31/2023 10:31:03 AM

Reviewed By: 8/31/23

## Chain of Custody

| | | | |
|---|---|---|---|
| 1. Is Chain of Custody complete? | Yes ☑ | No ☐ | Not Present ☐ |
| 2. How was the sample delivered? | FedEx | | |

## Log In

| | | | |
|---|---|---|---|
| 3. Was an attempt made to cool the samples? | Yes ☑ | No ☐ | NA ☐ |
| 4. Were all samples received at a temperature of >0° C to 6.0°C | Yes ☑ | No ☐ | NA ☐ |
| 5. Sample(s) in proper container(s)? | Yes ☑ | No ☐ | |
| 6. Sufficient sample volume for indicated test(s)? | Yes ☑ | No ☐ | |
| 7. Are samples (except VOA and ONG) properly preserved? | Yes ☑ | No ☐ | |
| 8. Was preservative added to bottles? | Yes ☐ | No ☑ | NA ☐ |
| 9. Received at least 1 vial with headspace <1/4" for AQ VOA? | Yes ☐ | No ☐ | NA ☑ |
| 10. Were any sample containers received broken? | Yes ☐ | No ☑ | |
| 11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) | Yes ☑ | No ☐ | # of preserved bottles checked for pH: 1 |
| 12. Are matrices correctly identified on Chain of Custody? | Yes ☑ | No ☐ | (<2 or >12 unless noted) Adjusted? NO |
| 13. Is it clear what analyses were requested? | Yes ☑ | No ☐ | |
| 14. Were all holding times able to be met? (If no, notify customer for authorization.) | Yes ☑ | No ☐ | Checked by: SCM 8/31/23 |

## Special Handling (if applicable)

| | | | |
|---|---|---|---|
| 15. Was client notified of all discrepancies with this order? | Yes ☐ | No ☐ | NA ☑ |

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. **Cooler Information**

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|---|---|---|---|---|---|---|
| 1 | 0 | Good | Not Present | Morty | | |

# Chain-of-Custody Record

Client: EA Engineering, Science, and Technology

Mailing Address: 320 Gold Ave SW Suite

Phone #: 505-715-4279

email or Fax#: rmullen@eaest.com

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

☐ NELAC ☐ Other_____

☐ EDD (Type) _____

Turn-Around Time:

☑ Standard ☐ Rush_____

Project Name: Del Oro Dairy

Project #:

Project Manager: Gina Mullen

Sampler: Angel N. Rivera

On Ice: ☑ Yes ☐ No

# of Coolers: 1 Morty

Cooler Temp(including CF): 0.2-0.2=0


**HALL ENVIRONMENTAL ANALYSIS LABORATORY**

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107


**Analysis Request**

| Date | Time | Matrix | Sample Name | Container Type and # | Preservative Type | HEAL No. 2308H33 | Nitrate/Nitrites EPA Method 300.0 | TKN SM 4500 NORG C | Chloride EPA 300 | TDS SM 2540 C MOD | Sulfate EPA 300 | | Phosphorus EPA 6010B | Total Sulfur | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8-30 | 10:15 | Gw | EW-02 | 2 | | 001 | X | X | X | X | X | | | | | | | | | | |
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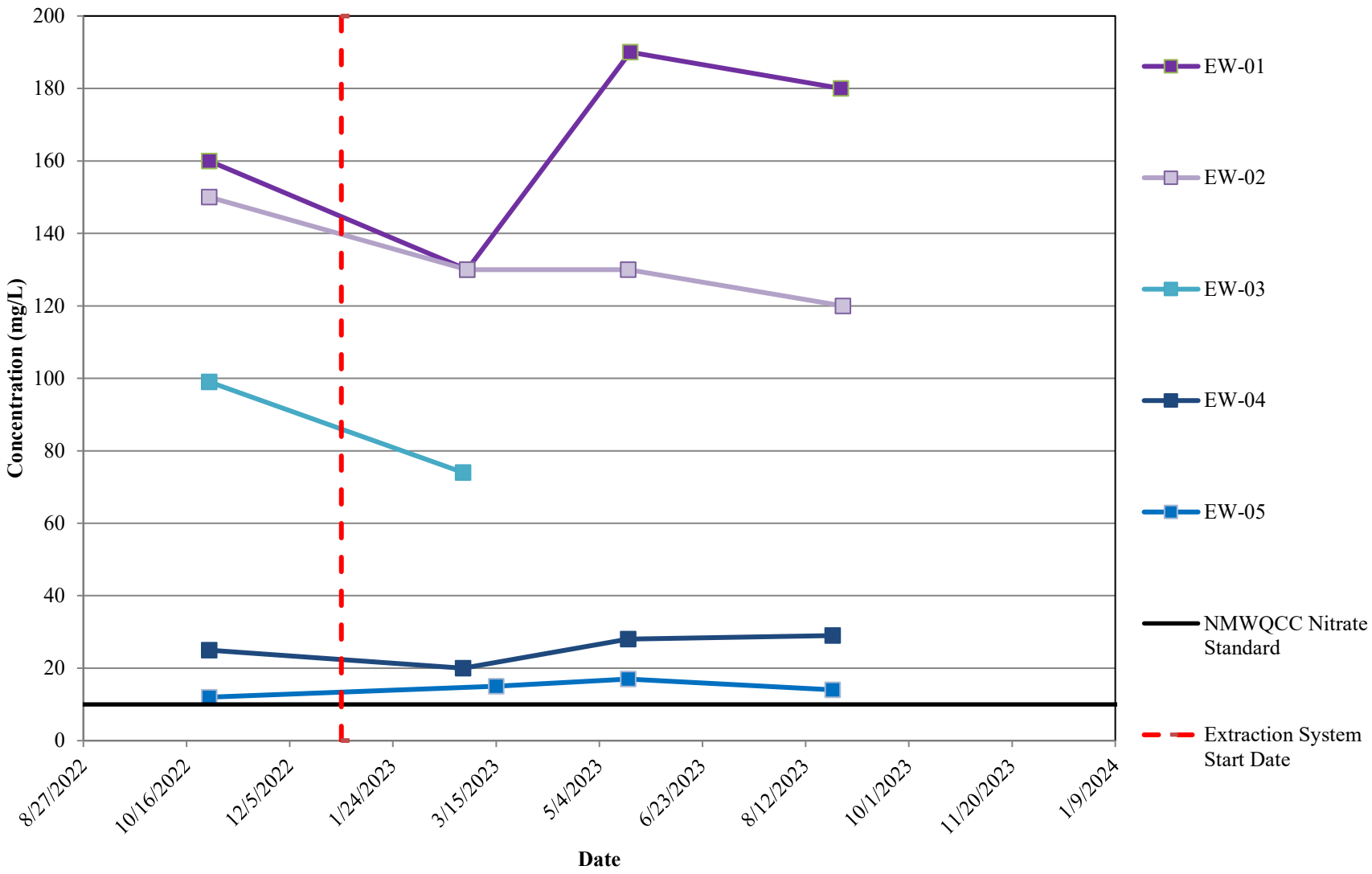
| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |
|---|---|---|---|---|---|---|
| 8-30 | 17:20 | | | FedEx | 8/31/23 | 8:45 |
| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |

Remarks:

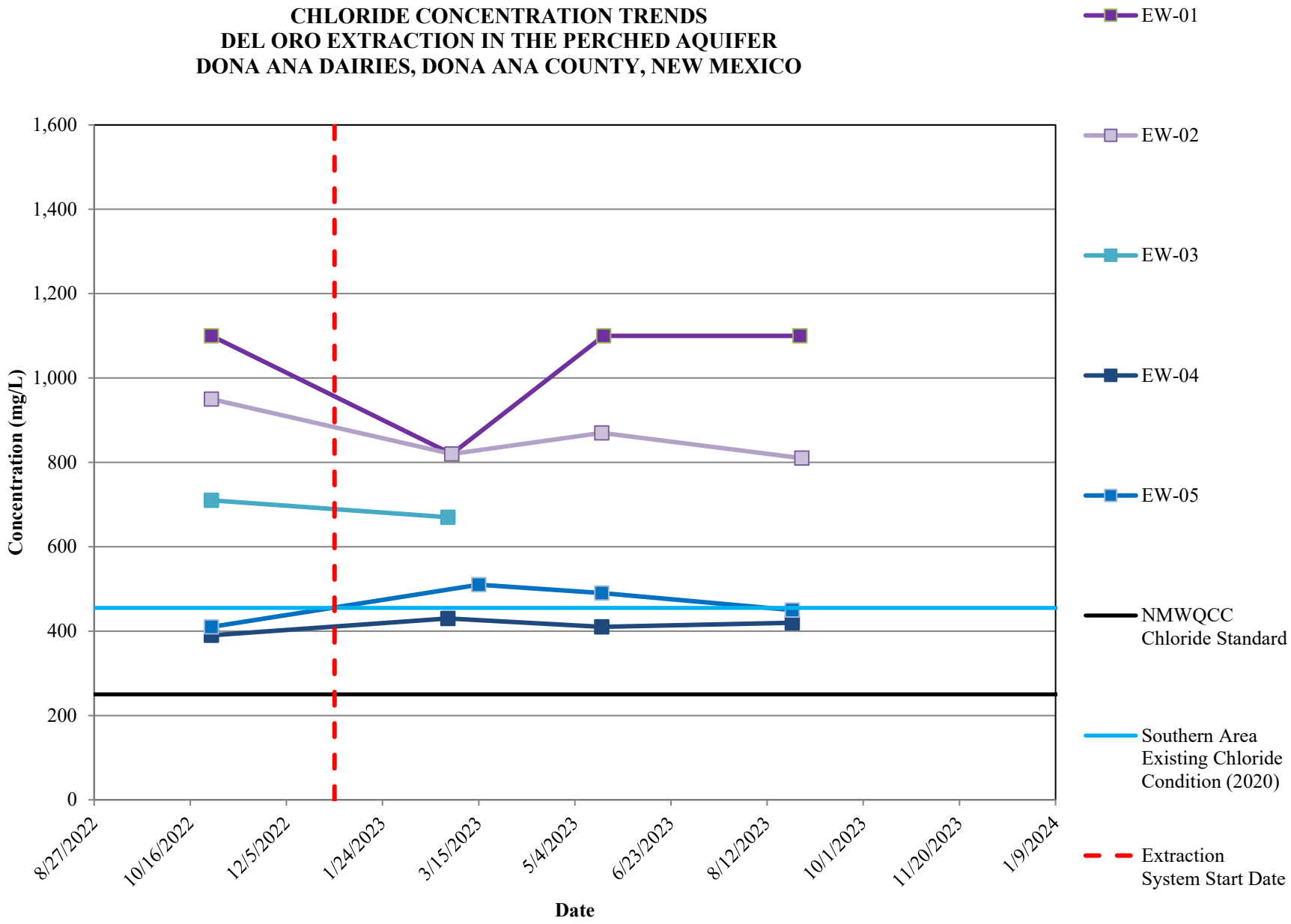
If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

# ATTACHMENT 3 – CONCENTRATION TRENDS FOR DEL ORO EXTRACTION WELLS AND ABATEMENT PLAN MONITORING WELLS IN THE PERCHED AQUIFER

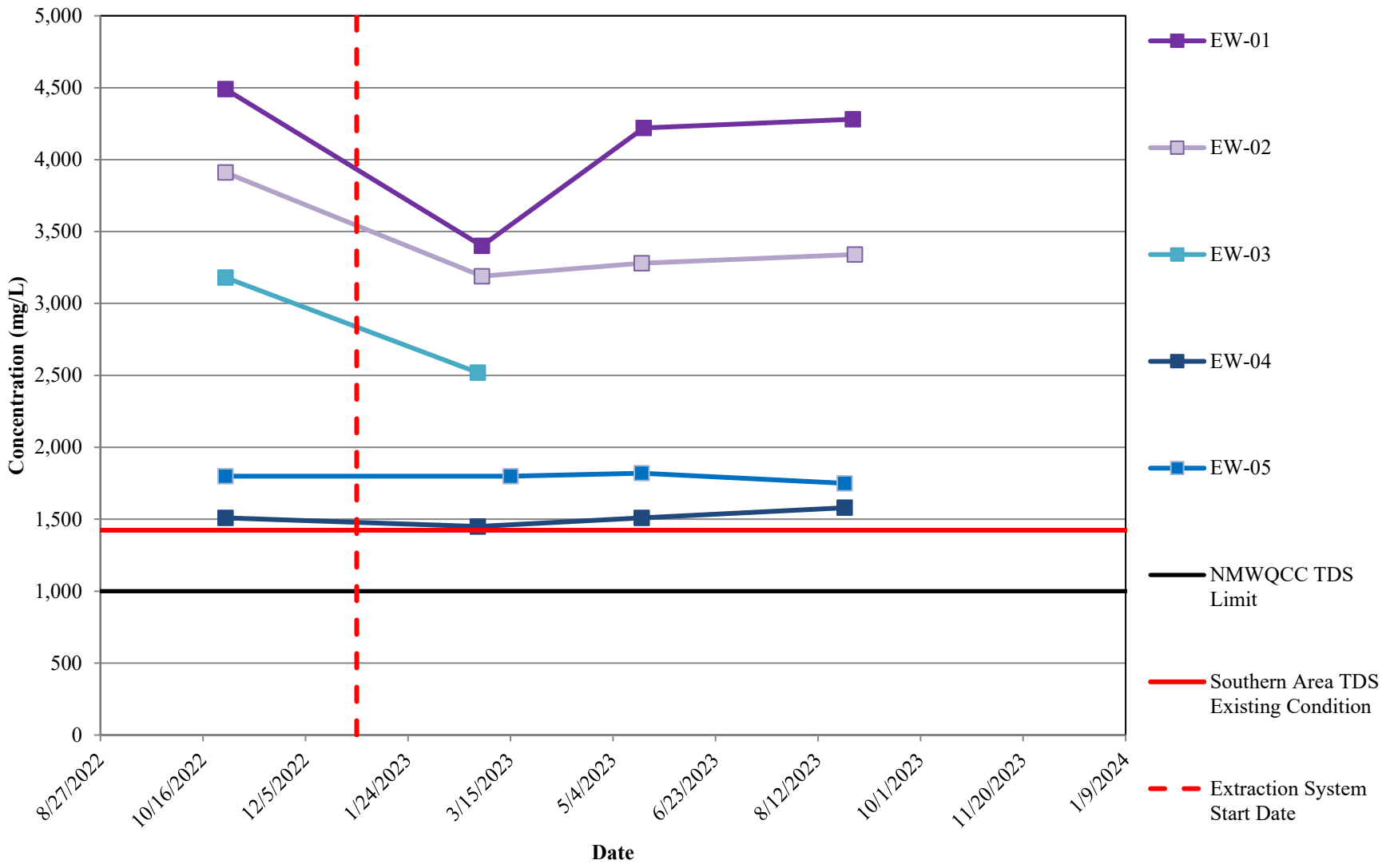
**NITRATE CONCENTRATION TRENDS**
**DEL ORO EXTRACTION WELLS IN THE PERCHED AQUIFER**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



**CHLORIDE CONCENTRATION TRENDS**
**DEL ORO EXTRACTION IN THE PERCHED AQUIFER**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



**TDS CONCENTRATION TRENDS**
**DEL ORO EXTRACTION WELLS IN THE PERCHED AQUIFER**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



# APPENDIX B

# GAUGING AND SAMPLING FIELD FORMS
**(Provided in Electronic Format via CD Located on Front Cover of Report)**

# MONITORING WELL GAUGING DATA
# DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO

| Monitoring Well | Northing* | Easting* | Date | Time | Depth to Water | Notes or Total Depth (ft) | |
|---|---|---|---|---|---|---|---|
| **NORTHERN AREA** | | | | | | | |
| **Northern Land Application Area (DP-340)** | | | | | | | |
| 70-03 | 424580.78 | 1510233.88 | 8-2-23 | 11:08 | 60.01 | 61.64 | |
| 70/86/340-01 | 427320.92 | 1508461.05 | 8-2-23 | 10:35 | 54.78 | 67.94 | |
| 86/340-01 | 432021.33 | 1503216.90 | 8-2-23 | 9:55 | 60.52 | 70.81 | |
| **Mountain View Dairy (DP-70)** | | | | | | | |
| 70-01 | 423303.43 | 1510585.63 | 8-2-23 | 11:50 | 40.90 | 45.75 | |
| 70-02 | 423412.73 | 1511192.51 | 8-2-23 | 12:10 | 48.51 | 44.85 | |
| 70-04 | 422798.94 | 1510922.20 | 8-2-23 | 12:42 | 38.74 | 47.83 | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| **Buena Vista Diary I (DP-86)** | | | | | | | |
| 86-01 | 421534.62 | 1511667.76 | 8-2-23 | 13:46 | 53.31 | 54.45 | |
| 86-02 | 421792.08 | 1510881.53 | 8-2-23 | 13:22 | 35.15 | 48.43 | |
| | | | | | | | |
| **Bright Star Dairy (DP-340)** | | | | | | | |
| 340-01 | 421410.13 | 1511423.42 | 8-2-23 | 14:09 | 46.68 | 48.25 | |
| 340-02 | 420641.08 | 1512051.57 | 8-2-23 | 14:18 | Dry | 56.91 | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| **Dominguez2 (DP-42)** | | | | | | | |
| 42-02 | 419982.45 | 1511126.19 | 8-3-23 | 10:09 | 30.76 | 65.30 | Pumi |
| 42-03 | 419710.55 | 1514064.35 | 8-3-23 | 10:50 | 88.10 | 97.20 | Pumi |
| 42-06 | 420021.61 | 1511465.15 | 8-3-23 | 10:32 | 36.70 | 41.55 | Pumi |
| 42-07 | 420584.8 | 1513076.66 | — | — | — | WELL REMOVED | Pumi |
| 42-08 | 419994.93 | 1511197.91 | 8-3-23 | 10:18 | 32.81 | 35.09 | Pumi |
| 42-09 | 419729.17 | 1512255.76 | — | — | — | WELL REMOVED | Pumi |
| 42-10 | 421426.39 | 1514460.4 | 8-3-23 | 11:47 | 119.20 | 123.61 | Pumi |
| 42-11 | 420693.98 | 1515270.32 | 8-3-23 | 11:27 | 130.00 | 133.51 | Pum |
| 42-12 | 420972.09 | 1515423.88 | 8-3-23 | 11:36 | 136.32 | 139.45 | Pumi |
| 42-13 | 419734.06 | 1512534.42 | 8-3-23 | 10:58 | 61.00 | 67.60 | Pumi |
| **Dominguez Dairy (DP-624)** | | | | | | | |
| 624-01 | 418826.21 | 1512131.46 | 8-3-23 | 12:43 | 29.52 | 46.80 | |
| 624-02 | 417335.25 | 1512201.42 | 8-3-23 | 12:55 | 21.20 | 37.42 | |
| 624-09 | | | 8-3-23 | 9:11 | 25.31 | 32.80 | |
| 624-10 | | | 8-3-23 | 9:40 | 26.44 | 37.31 | |
| 624-11 | | | 8-3-23 | 12:20 | 55.63 | 68.88 | |
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# MONITORING WELL GAUGING DATA
## DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO

| Monitoring Well | Northing* | Easting" | Date | Time | Depth to Water | Notes or Total Depth (ft) |
|---|---|---|---|---|---|---|
| | | | CENTRAL AREA | | | |
| **Buena Vista Diary II (DP-74)** | | | | | | |
| 74-01 | 405434.93 | 1519310.15 | 8-4-23 | 9:56 | 39.03 | 45.25 |
| 74-02 | 404574.08 | 1519035.52 | 8-4-23 | 9:50 | 19.17 | 20.25 |
| 74-03 | 407163.61 | 1516711.72 | 8-4-23 | 9:38 | 18.60 | 20.29 |
| 74-04 | 405488.65 | 151986448 | 8-4-23 | 10:10 | 51.07 | 57.90 |
| 74-05 | 404747.71 | 1519885.3 | 8-4-23 | 10:25 | 43.88 | 57.16 |
| **Big Sky Dairy (DP-833)** | | | | | | |
| 833-02 | 401200.32 | 1520639.92 | 8-4-23 | 11:20 | 37.17 | 57.96 |
| 833-04 | 402898.52 | 1520659.33 | 8-4-23 | 11:08 | 45.40 | 53.32 |
| 833-05 | 399712.39 | 1522374.73 | 8-4-23 | 11:56 | 67.67 | 73.50 |
| 833-06 | 402219.48 | 1522652.04 | 8-4-23 | 10:50 | 77.07 | 85.25 |
| 833-07 | 399298.8 | 1522082.75 | 8-4-23 | 11:48 | 63.24 | 73.55 |
| 833-08 | 400535.64 | 1521938.23 | 8-4-23 | 11:31 | 63.02 | 73.27 |
| 833-09 | 398280.67 | 1520918.52 | 8-4-23 | 12:37 | 29.22 | 39.69 |
| 833-10 | 396715.89 | 1520283.6 | 8-4-23 | 12:48 | 22.84 | 37.72 |
| **Sunset/Desert Land Dairy (DP-257)** | | | | | | |
| 257-01 | 395856.31 | 1520572.16 | 8-4-23 | 14:53 | 22.50 | 25.85 |
| 257-02 | 394728.34 | 1521030.29 | 8-4-23 | 14:25 | 16.12 | 20.85 |
| 257-03 | 397935.69 | 1518746.14 | 8-4-23 | 13:52 | 14.16 | 16.12 |
| MW-4 | | | 8-4-23 | 16:00 | 32.51 | 39.96 |
| **Del Oro Dairy (DP-692)** | | | SOUTHERN AREA | | | |
| 692-02 | 372984.72 | 1531192.1 | 8-7-23 | 8:00 | 59.76 | 66.15 |
| 692-04 | 372982.53 | 1531555.21 | 8-7-23 | 8:09 | Dry | 60.59 |
| 692-05 | 374807.26 | 1532403 | 8-7-23 | 8:18 | 81.93 | 87.50 |
| 692-06 | 375054.77 | 1532411.83 | 8-7-23 | 8:35 | 84.69 | 90.24 |
| 692-07 | 374944.88 | 1532019.81 | 8-7-23 | 8:51 | 76.36 | 77.69 |
| 692-08 | 375535.69 | 1531378.09 | 8-7-23 | 9:30 | 70.66 | 77.15 Pum |
| 692-09 | 373575.83 | 1532395.09 | 8-7-23 | 9:03 | 85.80 | 91.10 Pum |
| 692-10 | | | 8-7-23 | 9:17 | 75.66 | 77.90 |
| EW-01 | | | | | | |
| EW-02 | | | | | | |
| EW-03 | | | | | | |
| EW-04 | | | | | | |
| EW-05 | | | | | | |
| **Anthony Waste Water Treatment Plant** | | | | | | |
| MW-1 | 372097.86 | 1532364.36 | 8-7-23 | 13:20 | 65.33 | 79.94 |
| MW-2 | NM | NM | 8-7-23 | 13:31 | 66.71 | 79.95 |
| MW-3 | NM | NM | 8-7-23 | 13:48 | 59.20 | 78.41 |

# MONITORING WELL GAUGING DATA
# DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO

| Monitoring Well | Northing[a] | Easting[a] | Date | Time | Depth to Water | Notes or Total Depth (ft) |
|---|---|---|---|---|---|---|
| ABATEMENT PLAN MONITOR WELLS | | | | | | |
| DAD-01 | 422970.59 | 1512825.76 | 8-2-23 | 14:51 | 75.00 | 76.35 |
| DAD-02 | 413002.98 | 1517319.93 | 8-3-23 | 14:36 | 68.03 | 68.43 |
| DAD-03 | 407721.31 | 1516497.85 | 8-3-23 | 14:48 | 15.50 | 18.90 |
| DAD-04 | 404576.66 | 1517413.28 | 8-4-23 | 9:05 | 18.12 | 18.71 |
| DAD-05 | 396712.87 | 1519102.06 | 8-4-23 | 14:46 | 16.03 | 23.10 |
| DAD-06R | 404273.19 | 1522081.00 | 8-4-23 | 10:35 | 86.20 | 102.10 |
| DAD-07 | 399270.18 | 1524320.88 | 8-4-23 | 15:44 | 93.31 | 100.66 |
| DAD-08 | 395287.38 | 1522575.07 | 8-4-23 | 15:13 | 53.28 | 55.70 |
| DAD-09 | 373259.30 | 1530905.70 | 8-7-23 | 10:25 | 57.11 | 61.25 |
| DAD-10 | 372980.55 | 1532375.33 | 8-7-23 | 9:52 | 83.83 | 93.80 |
| DAD-11 | 416211.35 | 1513814.71 | 8-3-23 | 14:15 | 23.51 | 47.53 |
| DAD-12 | 419731.54 | 1512274.77 | 8-3-23 | 11:05 | 54.01 | 82.25 |
| DAD-13 | 417879.08 | 1515673.13 | 8-3-23 | 14:00 | 88.67 | 92.78 |
| DAD-14 | 414923.33 | 1514695.26 | 8-3-23 | 13:50 | 32.06 | 42.55 |
| DAD-15 | 402001.22 | 1523552.04 | 8-3-23 | 14:57 | 97.11 | 109.90 |
| DAD-16 | 400628.77 | 1519350.74 | 8-4-23 | 9:21 | 20.91 | 32.75 |
| DAD-17 | 393991.97 | 1520267.94 | 8-4-23 | 14:00 | 20.73 | 38.88 |
| DAD-18 | 395714.14 | 1520588.96 | 8-4-23 | 15:01 | 23.80 | 57.15 |
| DAD-19 | 400164.47 | 1522027.92 | 8-4-23 | 12:16 | 66.37 | 99.35 |
| DAD-20 | 371751.45 | 1531188.19 | 8-7-23 | 12:00 | 57.18 | 68.85 |
| DAD-21 | 374013.39 | 1530983.98 | 8-7-23 | 10:18 | 58.70 | 66.51 |
| DAD-22 | 373029.62 | 1530352.69 | 8-7-23 | 10:37 | 46.90 | 50.05 |
| DAD-23 | 413958.29 | 1515697.17 | 8-3-23 | 14:26 | 46.80 | 57.75 |
| DAD-24 | 400183.23 | 1522052.57 | 8-4-23 | 12:09 | 68.66 | 130.55 |
| DAD-25 | 394560.83 | 1524599.12 | 8-4-23 | 15:29 | 67.70 | 77.17 |
| DAD-26 | 372513.58 | 1530789.76 | 8-7-23 | 11:45 | 49.45 | 62.62 |
| DAD-27 | | | 8-7-23 | 10:56 | 26.98 | 37.63 |

Notes:

[a] Horizontal control to NM State Plane Coordinates Central NAD83 Grid Coordinates (in feet)

[b] Measured in feet below the top of casing at survey point on north side of well

# Chain-of-Custody Record

Client:

EA Engineering, Science, and Technology

Mailing Address:

320 Gold Ave SW Suite

Phone #: 505-715-4279

email or Fax#: rmullen@eaest.com

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

☐ NELAC ☐ Other_____

☐ EDD (Type) _____

Turn-Around Time:

☑ Standard ☐ Rush_____

Project Name:

Big Sky Dairy

Project #:

Project Manager:

Gina Mullen

Sampler: Angel N.Rivera

On Ice: ☐ Yes ☐ No

# of Coolers:

Cooler Temp(including CF):


**HALL ENVIRONMENTAL ANALYSIS LABORATORY**

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107


**Analysis Request**

| Date | Time | Matrix | Sample Name | Container Type and # | Preservative Type | HEAL No. | Nitrate/Nitrites EPA Method 300. | TKN SM 4500 NORG C | Chloride EPA 300 | TDS SM 2540 C MOD | Sulfate EPA 300 | | Phosphorus EPA 6010B | Total Sulfur | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8-21 | 15:50 | Gw | B33-06 | 2 | | | X | X | X | X | X | | | | | | | | | | |
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| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |
|---|---|---|---|---|---|---|
| 8-21 | 17:48 | | | | | |
| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |
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Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

# Chain-of-Custody Record

Client:

EA Engineering, Science, and Technology

Mailing Address:

320 Gold Ave SW Suite

Phone #: 505-715-4279

email or Fax#: rmullen@eaest.com

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

☐ NELAC ☐ Other_____

☐ EDD (Type) _____

Turn-Around Time:

☑ Standard ☐ **Rush**_____

Project Name:

Big Sky Dairy

Project #:

Project Manager:

Gina Mullen

Sampler: Angel N. Rivera

On Ice: ☐ Yes ☐ No

# of Coolers:

Cooler Temp(including CF):


**HALL ENVIRONMENTAL ANALYSIS LABORATORY**

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107


**Analysis Request**

| Date | Time | Matrix | Sample Name | Container Type and # | Preservative Type | HEAL No. | Nitrate/Nitrites EPA Method 300 | TKN SM 4500 NORG C | Chloride EPA 300 | TDS SM 2540 C MOD | Sulfate EPA 300 | | Phosphorus EPA 6010B | Total Sulfur | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8-22 | 10:38 | Gw | 833-04 | 2 | | | X | X | X | X | X | | | | | | | | | | |
| 8-22 | 13:00 | Gw | 833-02 | 2 | | | X | X | X | X | X | | | | | | | | | | |
| 8-22 | 14:52 | Gw | 833-08 | 2 | | | X | X | X | X | X | | | | | | | | | | |
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| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |
|---|---|---|---|---|---|---|
| 8-22 | 17:00 | | | | | |
| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |
| | | | | | | |

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

# Chain-of-Custody Record

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Mailing Address: 320 Gold Ave SW Suite

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email or Fax#: rmullen@eaest.com

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other_____
☐ EDD (Type) _____

Turn-Around Time:
☑ Standard ☐ Rush_____

Project Name: Big Sky Dairy

Project #:

Project Manager: Gina Mullen

Sampler: Angel N. Rivera
On Ice: ☐ Yes ☐ No
# of Coolers:
Cooler Temp(including CF):


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Tel. 505-345-3975 Fax 505-345-4107


| Date | Time | Matrix | Sample Name | Container Type and # | Preservative Type | HEAL No. | Nitrate/Nitrites EPA Method 300 | TKN SM 4500 NORG C | Chloride EPA 300 | TDS SM 2540 C MOD | Sulfate EPA 300 | Phosphorus EPA 6010B | Total Sulfur |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8-23 | 12:20 | Gw | 833-07 | 2 | | | X | X | X | X | X | | |
| 8-23 | 14:30 | Gw | 833-05 | 2 | | | X | X | X | X | X | | |
| 8-23 | 16:00 | Gw | 833-09 | 2 | | | X | X | X | X | X | | |

Analysis Request

| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |
|---|---|---|---|---|---|---|
| 8-23 | 18:35 | | | | | |
| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

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email or Fax#: rmullen@eaest.com

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

☐ NELAC ☐ Other_____

☐ EDD (Type) _____

Turn-Around Time:

☑ Standard ☐ **Rush**_____

Project Name:

Big Sky Dairy

Project #:

Project Manager:

Gina Mullen

Sampler: Angel N. Rivera

On Ice: ☐ Yes ☐ No

# of Coolers:

Cooler Temp(including CF):


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4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107


**Analysis Request**

| Date | Time | Matrix | Sample Name | Container Type and # | Preservative Type | HEAL No. | Nitrate/Nitrites EPA Method 300 | TKN SM 4500 NORG C | Chloride EPA 300 | TDS SM 2540 C MOD | Sulfate EPA 300 | Phosphorus EPA 6010B | Total Sulfur |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8-24 | 10:10 | GW | 833-10 | 2 | | | X | X | X | X | X | | |

| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |
|---|---|---|---|---|---|---|
| 8-24 | 18:05 | | | | | |
| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |
| | | | | | | |

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

# MONITOR WELL DEVELOPMENT FIELD FORM

## FLUID LEVEL DATA

Well ID 833-02 Date Gauged 8-22-23

Site Big Sky Time Gauged 10:56

Depth to PSH _____ feet Well Diameter 4 inches

Depth to Water 37.16 feet Height of Fluid Column 20.82 feet

Total Depth 57.98 feet Volume in Well 13.741 gallons

(3 Well Volumes = 41.22 gallons)

## GROUNDWATER SAMPLING DATA

Time/date Purged 11:03 8-22-23 Purged Method Pump

| Time | Purge Vol (gal) | Cumul Purge Vol (gal) | Temp (°C) | SpC (µs/cm) | pH | ORP (mV) | DO (mg/L) |
|---|---|---|---|---|---|---|---|
| 11:36 | 15 | 15 | 21.5 | 6241 | 7.03 | 133 | 2.43 |
| 12:12 | 15 | 30 | 21.0 | 6263 | 7.18 | | |
| 12:47 | 12 | 42 | 20.9 | 6276 | 7.26 | | |
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Actual Purge Volume 47 gals Field Measurements stabilized within ± 10% Y

Time/Date Sampled 13:00 8.22.23 Purged/Sampled By A.N

Sample Method Pump

Requested Analyses _____

Comments/Observations _____

Well Casing Volumes

2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 ga/ft

# MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID: 033-04
Site: Big Sky
Date Gauged: 8-22-23
Time Gauged: 9:35

Depth to PSH: _____ feet
Depth to Water: 45.39 feet
Total Depth: 53.35 feet
Well Diameter: 4 inches
Height of Fluid Column: 7.96 feet
Volume in Well: 5.253 gallons

(3 Well Volumes = 15.76 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged: 9:47 8-22-23 Purged Method: Pump

| Time | Purge Vol (gal) | Cumul Purge Vol (gal) | Temp (°C) | SpC (µs/cm) | pH | ORP (mV) | DO (mg/L) |
|---|---|---|---|---|---|---|---|
| 9:58 | 5 | 5 | 23.2 | 4612 | 7.05 | 142 | 1.81 |
| 10:10 | 5 | 10 | 22.3 | 4634 | 7.00 | | |
| 10:26 | 6 | 16 | 22.1 | 4648 | 7.15 | | |
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Actual Purge Volume: 21 gals
Field Measurements stabilized within ± 10%: Y
Time/Date Sampled: 10:38 8-22-23 Purged/Sampled By: A.N
Sample Method: Pump
Requested Analyses: _____
Comments/Observations: _____

Well Casing Volumes
2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 ga/ft

# MONITOR WELL DEVELOPMENT FIELD FORM

## FLUID LEVEL DATA

Well ID: 833-05
Site: Big Sky
Date Gauged: 8-23-23
Time Gauged: 13:36

Depth to PSH: _____ feet
Depth to Water: 67.68 feet
Total Depth: 73.50 feet
Well Diameter: 4 inches
Height of Fluid Column: 5.82 feet
Volume in Well: 3.841 gallons
(3 Well Volumes = 11.52 gallons)

## GROUNDWATER SAMPLING DATA

Time/date Purged 13:42 8-23-23 Purged Method Pump

| Time | Purge Vol (gal) | Cumul Purge Vol (gal) | Temp (°C) | SpC (µs/cm) | pH | ORP (mV) | DO (mg/L) |
|---|---|---|---|---|---|---|---|
| 13:57 | 5 | 5 | 23.3 | 4581 | 7.13 | 147 | 2.52 |
| 14:10 | 5 | 10 | 23.5 | 4613 | 7.08 | | |
| 14:15 | 2 | 12 | 23.7 | 4606 | 7.18 | | |
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Actual Purge Volume 17 gals
Field Measurements stabilized within ± 10% Y
Time/Date Sampled 14:30 8-23-23 Purged/Sampled By AN
Sample Method Pump
Requested Analyses _____
Comments/Observations _____

Well Casing Volumes
2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 ga/ft

# MONITOR WELL DEVELOPMENT FIELD FORM

## FLUID LEVEL DATA

Well ID: 833-06
Site: Big Sky
Date Gauged: 8-21-23
Time Gauged: 13:30

Depth to PSH: _____ feet
Depth to Water: 77.05 feet
Total Depth: 85.25 feet
Well Diameter: 4 inches
Height of Fluid Column: 8.20 feet
Volume in Well: 5.412 gallons
(3 Well Volumes = 16.23 gallons)

## GROUNDWATER SAMPLING DATA

Time/date Purged: 13:38 8-21-23 Purged Method: Pump

| Time | Purge Vol (gal) | Cumul Purge Vol (gal) | Temp (°C) | SpC (µs/cm) | pH | ORP (mV) | DO (mg/L) |
|---|---|---|---|---|---|---|---|
| 14:08 | 5 | 5 | 24.4 | 3918 | 7.15 | 167 | 2.98 |
| 14:38 | 5 | 10 | 23.1 | 3988 | 7.25 | | |
| 15:18 | 7 | 17 | 22.4 | 4038 | 7.29 | | |
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Actual Purge Volume: 22 gals
Field Measurements stabilized within ± 10%: Y
Time/Date Sampled: 15:50 8-21-23
Purged/Sampled By: A.N
Sample Method: Pump
Requested Analyses: _____
Comments/Observations: Very slow flow coming out of pump.

Well Casing Volumes
2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 ga/ft

# MONITOR WELL DEVELOPMENT FIELD FORM

## FLUID LEVEL DATA

Well ID: 833-07
Site: Big Sky
Date Gauged: 8-23-23
Time Gauged: 11:15

Depth to PSH: _____ feet
Depth to Water: 63.22 feet
Total Depth: 73.55 feet
Well Diameter: 4 inches
Height of Fluid Column: 10.33 feet
Volume in Well: 6.817 gallons
(3 Well Volumes = 20.45 gallons)

## GROUNDWATER SAMPLING DATA

Time/date Purged 11:20 8-23-23 Purged Method Pump

| Time | Purge Vol (gal) | Cumul Purge Vol (gal) | Temp (°C) | SpC (µs/cm) | pH | ORP (mV) | DO (mg/L) |
|---|---|---|---|---|---|---|---|
| 11:35 | 7 | 7 | 22.1 | 6899 | 7.02 | 161 | 1.55 |
| 11:48 | 7 | 14 | 22.4 | 6791 | 7.13 | | |
| 12:03 | 7 | 21 | 22.5 | 6750 | 7.25 | | |
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Actual Purge Volume 28 gals
Field Measurements stabilized within ± 10% Y
Time/Date Sampled 12:20 8-23-23
Purged/Sampled By A.N
Sample Method Pump
Requested Analyses _____
Comments/Observations _____

Well Casing Volumes
2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 ga/ft

# MONITOR WELL DEVELOPMENT FIELD FORM

## FLUID LEVEL DATA

Well ID: 833-08
Site: Big Sky
Date Gauged: 8-22-23
Time Gauged: 13:20

Depth to PSH: _____ feet
Depth to Water: 63.05 feet
Total Depth: 73.27 feet
Well Diameter: 4 inches
Height of Fluid Column: 10.22 feet
Volume in Well: 6.745 gallons

(3 Well Volumes = 20.23 gallons)

## GROUNDWATER SAMPLING DATA

Time/date Purged 13:28 8-22-23 Purged Method Pump

| Time | Purge Vol (gal) | Cumul Purge Vol (gal) | Temp (°C) | SpC (µs/cm) | pH | ORP (mV) | DO (mg/L) |
|---|---|---|---|---|---|---|---|
| 13:48 | 7 | 7 | 23.4 | 5053 | 7.49 | 134 | 1.90 |
| 14:03 | 7 | 14 | 23.6 | 5100 | 7.38 | | |
| 14:27 | 7 | 21 | 23.7 | 5040 | 7.26 | | |
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Actual Purge Volume 28 gals
Field Measurements stabilized within ± 10% Y
Time/Date Sampled 14:52 8-22-23
Purged/Sampled By A.N
Sample Method Pump
Requested Analyses _____
Comments/Observations _____

Well Casing Volumes
2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 ga/ft

# MONITOR WELL DEVELOPMENT FIELD FORM

## FLUID LEVEL DATA

Well ID: 833-09
Site: Big Sky
Date Gauged: 8-23-23
Time Gauged: 14:50

Depth to PSH: _____ feet
Depth to Water: 29.19 feet
Total Depth: 39.70 feet
Well Diameter: 4 inches
Height of Fluid Column: 10.51 feet
Volume in Well: 6.936 gallons

(3 Well Volumes = 20.80 gallons)

## GROUNDWATER SAMPLING DATA

Time/date Purged: 14:53 8-23-23 Purged Method: Pump

| Time | Purge Vol (gal) | Cumul Purge Vol (gal) | Temp (°C) | SpC (µs/cm) | pH | ORP (mV) | DO (mg/L) |
|---|---|---|---|---|---|---|---|
| 15:11 | 7 | 7 | 20.9 | 5244 | 7.37 | 134 | 1.42 |
| 15:28 | 7 | 14 | 20.9 | 5319 | 7.29 | | |
| 15:40 | 7 | 21 | 21.0 | 5330 | 7.22 | | |
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Actual Purge Volume: 28 gals
Field Measurements stabilized within ± 10%: Y
Time/Date Sampled: 16:00 8-23-23
Purged/Sampled By: A.M
Sample Method: Pump
Requested Analyses: _____
Comments/Observations: _____

Well Casing Volumes
2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 ga/ft

# MONITOR WELL DEVELOPMENT FIELD FORM

## FLUID LEVEL DATA

Well ID: 833-10
Site: Big Sky
Date Gauged: 8-24-23
Time Gauged: 9:00

Depth to PSH: _____ feet
Depth to Water: 22.85 feet
Total Depth: 37.74 feet
Well Diameter: 4 inches
Height of Fluid Column: 14.89 feet
Volume in Well: 9.827 gallons
(3 Well Volumes = 29.48 gallons)

## GROUNDWATER SAMPLING DATA

Time/date Purged 9:07 8-24-23 Purged Method Pump

| Time | Purge Vol (gal) | Cumul Purge Vol (gal) | Temp (°C) | SpC (µs/cm) | pH | ORP (mV) | DO (mg/L) |
|---|---|---|---|---|---|---|---|
| 9:22 | 10 | 10 | 18.8 | 4231 | 7.04 | 146 | 2.38 |
| 9:38 | 10 | 20 | 18.9 | 4224 | 7.10 | | |
| 9:55 | 10 | 30 | 19.1 | 4210 | 7.20 | | |
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Actual Purge Volume 35 gals
Field Measurements stabilized within ± 10% Y
Time/Date Sampled 10:10 8-24-23 Purged/Sampled By A.N
Sample Method Pump
Requested Analyses _____
Comments/Observations _____

Well Casing Volumes
2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 ga/ft

# Chain-of-Custody Record

Client:

EA Engineering, Science, and Technology

Mailing Address:

320 Gold Ave SW Suite

Phone #: 505-715-4279

email or Fax#: rmullen@eaest.com

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

☐ NELAC ☐ Other_____

☐ EDD (Type) _____

Turn-Around Time:

☑ Standard ☐ **Rush**_____

Project Name:

Bright Star Dairy

Project #:

Project Manager:

Gina Mullen

Sampler: Angel N. Rivera

On Ice: ☐ Yes ☐ No

# of Coolers:

Cooler Temp(including CF):


**HALL ENVIRONMENTAL ANALYSIS LABORATORY**

www.hallenvironmental.com

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Tel. 505-345-3975 Fax 505-345-4107


**Analysis Request**

| Date | Time | Matrix | Sample Name | Container Type and # | Preservative Type | HEAL No. | Nitrate/Nitrites EPA Method 300 | TKN SM 4500 NORG C | Chloride EPA 300 | TDS SM 2540 C MOD | Sulfate EPA 300 | | Phosphorus EPA 6010B | Total Sulfur | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8-8 | 10:38 | Gw | 340-01 | 2 | | | X | X | X | X | X | | | | | | | | | | |
| 8-8 | 13:15 | Gw | 70/86/340-01 | 2 | | | X | X | X | X | X | | | | | | | | | | |
| 8-8 | 15:36 | Gw | 86/340-01 | 2 | | | X | X | X | X | X | | | | | | | | | | |
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| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |
|---|---|---|---|---|---|---|
| 8-8 | 17:35 | | | | | |
| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |
| | | | | | | |

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

# MONITOR WELL DEVELOPMENT FIELD FORM

## FLUID LEVEL DATA

Well ID: 340-01
Site: Bright Star
Date Gauged: 8-8-23
Time Gauged: 9:27

Depth to PSH: _____ feet
Depth to Water: 46.66 feet
Total Depth: 48.25 feet
Well Diameter: 4 inches
Height of Fluid Column: 1.59 feet
Volume in Well: 1.049 gallons
(3 Well Volumes = 3.14 gallons)

## GROUNDWATER SAMPLING DATA

Time/date Purged: 9:34 8-8-23
Purged Method: Bail

| Time | Purge Vol (gal) | Cumul Purge Vol (gal) | Temp (°C) | SpC (µs/cm) | pH | ORP (mV) | DO (mg/L) |
|---|---|---|---|---|---|---|---|
| 9:46 | 1 | 1 | 23.5 | 4510 | 7.16 | 122 | 2.43 |
| 9:57 | 1 | 2 | 23.1 | 4505 | 7.20 | | |
| 10:10 | 1.25 | 3.25 | 23.4 | 4482 | 7.22 | | |
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Actual Purge Volume: 5.50 gals
Field Measurements stabilized within ± 10%: Y
Time/Date Sampled: 10:38 8-8-23
Purged/Sampled By: A.N
Sample Method: Bail
Requested Analyses:
Comments/Observations: Very slow water flow. well started to dry out around 4 gals

Well Casing Volumes
2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 ga/ft

# MONITOR WELL DEVELOPMENT FIELD FORM

## FLUID LEVEL DATA

Well ID: 340-02
Site: Bright Star
Date Gauged: 8-8-23
Time Gauged: 11:05

Depth to PSH: _____ feet
Depth to Water: Dry feet
Total Depth: 56.90 feet
Well Diameter: 4 inches
Height of Fluid Column: _____ feet
Volume in Well: _____ gallons

(3 Well Volumes = _____ gallons)

## GROUNDWATER SAMPLING DATA

Time/date Purged: — Purged Method: —

| Time | Purge Vol (gal) | Cumul Purge Vol (gal) | Temp (°C) | SpC (µs/cm) | pH | ORP (mV) | DO (mg/L) |
|---|---|---|---|---|---|---|---|
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Actual Purge Volume: — gals
Field Measurements stabilized within ± 10%: —
Time/Date Sampled: —
Purged/Sampled By: —
Sample Method: —
Requested Analyses: +
Comments/Observations: Dry well. NO Sample

Well Casing Volumes
2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 ga/ft

# MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 70/86/340-01 Date Gauged 8-8-23

Site Bright Star Time Gauged 11:38

Depth to PSH _____ feet Well Diameter 4 inches

Depth to Water 54.80 feet Height of Fluid Column 13.15 feet

Total Depth 67.95 feet Volume in Well 8.679 gallons

(3 Well Volumes = 26.03 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 11:50 8-8-23 Purged Method Pump

| Time | Purge Vol (gal) | Cumul Purge Vol (gal) | Temp (°C) | SpC (µs/cm) | pH | ORP (mV) | DO (mg/L) |
|---|---|---|---|---|---|---|---|
| 12:18 | 10 | 10 | 22.5 | 1652 | 7.10 | 69 | 1.31 |
| 12:36 | 10 | 20 | 22.3 | 1721 | 7.08 | | |
| 12:54 | 6.25 | 26.25 | 22.0 | 1777 | 7.19 | | |
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Actual Purge Volume 31 gals Field Measurements stabilized within ± 10% Y

Time/Date Sampled 13:15 8-8-23 Purged/Sampled By A.N

Sample Method Pump

Requested Analyses _____

Comments/Observations _____

Well Casing Volumes

2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 ga/ft

# MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 86/340-01 Date Gauged 8-8-23

Site Bright Star Time Gauged 14:21

Depth to PSH _____ feet Well Diameter 4 inches

Depth to Water 60.49 feet Height of Fluid Column 10.33 feet

Total Depth 70.80 feet Volume in Well 6.817 gallons

(3 Well Volumes = 20.45 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 14:27 8-8-23 Purged Method Pump

| Time | Purge Vol (gal) | Cumul Purge Vol (gal) | Temp (°C) | SpC (µs/cm) | pH | ORP (mV) | DO (mg/L) |
|---|---|---|---|---|---|---|---|
| 14:48 | 7 | 7 | 21.6 | 3465 | 7.56 | 91 | 2.61 |
| 15:03 | 7 | 14 | 21.5 | 3281 | 7.40 | | |
| 15:18 | 7 | 21 | 21.2 | 3288 | 7.29 | | |
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Actual Purge Volume 28 gals Field Measurements stabilized within ± 10% Y

Time/Date Sampled 15:36 8-8-23 Purged/Sampled By A.N

Sample Method Pump

Requested Analyses _____

Comments/Observations _____

Well Casing Volumes

2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 ga/ft

# Chain-of-Custody Record

Client: EA Engineering, Science, and Technology

Mailing Address: 320 Gold Ave SW Suite

Phone #: 505-715-4279

email or Fax#: rmullen@eaest.com

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other_____
☐ EDD (Type) _____

Turn-Around Time:
☑ Standard ☐ **Rush**_____

Project Name: Buena Vista Dairy 2

Project #:

Project Manager: Gina Mullen

Sampler: Angel N. Rivera

On Ice: ☐ Yes ☐ No

# of Coolers:

Cooler Temp(including CF):


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**Analysis Request**

| Date | Time | Matrix | Sample Name | Container Type and # | Preservative Type | HEAL No. | Nitrate/Nitrites EPA Method 300.0 | TKN SM 4500 NORG C | Chloride EPA 300 | TDS SM 2540 C MOD | Sulfate EPA 300 | | Phosphorus EPA 6010B | Total Sulfur | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8-18 | 11:18 | Gw | 74-03 | 2 | | | X | X | X | X | | | | | | | | | | | |
| 8-18 | 12:36 | Gw | 74-02 | 2 | | | X | X | X | X | | | | | | | | | | | |
| 8-18 | 15:25 | Gw | 74-01 | 2 | | | X | X | X | X | | | | | | | | | | | |
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| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |
|---|---|---|---|---|---|---|
| 8-18 | 17:00 | | | | | |
| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |
| | | | | | | |

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

# Chain-of-Custody Record

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Mailing Address: 320 Gold Ave SW Suite

Phone #: 505-715-4279

email or Fax#: rmullen@eaest.com

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other_____

☐ EDD (Type) _____

Turn-Around Time:
☑ Standard ☐ Rush_____

Project Name: Buena Vista Dairy 2

Project #:

Project Manager: Gina Mullen

Sampler: Angel N. Rivera

On Ice: ☐ Yes ☐ No

# of Coolers:

Cooler Temp(Including CF):


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Tel. 505-345-3975 Fax 505-345-4107


**Analysis Request**

| Date | Time | Matrix | Sample Name | Container Type and # | Preservative Type | HEAL No. | Nitrate/Nitrites EPA Method 300.0 | TKN SM 4500 NORG C | Chloride EPA 300 | TDS SM 2540 C MOD | Sulfate EPA 300 | | Phosphorus EPA 6010B | Total Sulfur | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8-21 | 11:05 | Gw | 74-04 | 2 | | | X | X | X | X | | | | | | | | | | | |
| 8-21 | 12:50 | Gw | 74-05 | 2 | | | X | X | X | X | | | | | | | | | | | |
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| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |
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| 8-21 | 17:48 | | | | | |
| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |
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Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

# MONITOR WELL DEVELOPMENT FIELD FORM

## FLUID LEVEL DATA

Well ID 74-01 Date Gauged 8-18-23

Site Buena Vista II Time Gauged 13:20

Depth to PSH _____ feet Well Diameter 4 inches

Depth to Water 39.02 feet Height of Fluid Column 6.23 feet

Total Depth 45.25 feet Volume in Well 4.111 gallons

(3 Well Volumes = 12.33 gallons)

## GROUNDWATER SAMPLING DATA

Time/date Purged 13:27 8-18-23 Purged Method Pump

| Time | Purge Vol (gal) | Cumul Purge Vol (gal) | Temp (°C) | SpC (µs/cm) | pH | ORP (mV) | DO (mg/L) |
|---|---|---|---|---|---|---|---|
| 13:42 | 4 | 4 | 24.2 | 4502 | 7.21 | 92 | 2.07 |
| 14:35 | 4 | 8 | 23.2 | 4477 | 7.30 | | |
| 14:52 | 4.50 | 12.50 | 23.7 | 4405 | 7.25 | | |
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Actual Purge Volume 17 gals Field Measurements stabilized within ± 10% Y

Time/Date Sampled 15:25 8-18-23 Purged/Sampled By A.N

Sample Method Pump

Requested Analyses _____

Comments/Observations Pump stopped working. Rewire and pump worked again. Heat melted plastic from connections

Well Casing Volumes

2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 ga/ft

# MONITOR WELL DEVELOPMENT FIELD FORM

## FLUID LEVEL DATA

Well ID 74-02 Date Gauged 8-18-23

Site Buena Vista Time Gauged 11:39

Depth to PSH _____ feet Well Diameter 4 inches

Depth to Water 19.13 feet Height of Fluid Column 1.12 feet

Total Depth 20.25 feet Volume in Well 0.739 gallons

(3 Well Volumes = 2.21 gallons)

## GROUNDWATER SAMPLING DATA

Time/date Purged 11:47 8-18-23 Purged Method Bail

| Time | Purge Vol (gal) | Cumul Purge Vol (gal) | Temp (°C) | SpC (µs/cm) | pH | ORP (mV) | DO (mg/L) |
|---|---|---|---|---|---|---|---|
| 12:00 | 1 | 1 | 25.0 | 3848 | 7.11 | 52 | 2.88 |
| 12:15 | 1 | 2 | 24.2 | 4062 | 7.15 | | |
| 12:18 | .25 | 2.25 | 24.0 | 4080 | 7.19 | | |
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Actual Purge Volume 4 gals Field Measurements stabilized within ± 10% Y

Time/Date Sampled 12:36 8-18-23 Purged/Sampled By A.N

Sample Method Bail

Requested Analyses _____

Comments/Observations slow water flow. well slow water recovery.

Well Casing Volumes

2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 ga/ft

# MONITOR WELL DEVELOPMENT FIELD FORM

## FLUID LEVEL DATA

Well ID: 74-03
Site: Buena Vista II
Date Gauged: 8-18-23
Time Gauged: 9:53

Depth to PSH: _____ feet
Depth to Water: 18.56 feet
Total Depth: 20.30 feet
Well Diameter: 4 inches
Height of Fluid Column: 1.74 feet
Volume in Well: 1.148 gallons
(3 Well Volumes = 3.44 gallons)

## GROUNDWATER SAMPLING DATA

Time/date Purged: 9:59 8-18-23
Purged Method: Bail

| Time | Purge Vol (gal) | Cumul Purge Vol (gal) | Temp (°C) | SpC (µs/cm) | pH | ORP (mV) | DO (mg/L) |
|---|---|---|---|---|---|---|---|
| 10:15 | 1 | 1 | 23.3 | 2185 | 7.40 | 125 | 1.60 |
| 10:25 | 1 | 2 | 23.0 | 2070 | 7.32 | | |
| 10:40 | 1.50 | 3.50 | 23.1 | 2066 | 7.22 | | |
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Actual Purge Volume: 6.50 gals
Field Measurements stabilized within ± 10%: Y
Time/Date Sampled: 11:18 8-18-23
Purged/Sampled By: A.N
Sample Method: Bail
Requested Analyses: _____
Comments/Observations: _____

Well Casing Volumes
2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 ga/ft

# MONITOR WELL DEVELOPMENT FIELD FORM

## FLUID LEVEL DATA

Well ID: 7404
Site: Buena Vista II
Date Gauged: 8-21-23
Time Gauged: 10:05

Depth to PSH: _____ feet
Depth to Water: 51.05 feet
Total Depth: 57.90 feet
Well Diameter: 4 inches
Height of Fluid Column: 6.85 feet
Volume in Well: 4.521 gallons
(3 Well Volumes = 13.56 gallons)

## GROUNDWATER SAMPLING DATA

Time/date Purged: 10:11 8-21-23 Purged Method: Pump

| Time | Purge Vol (gal) | Cumul Purge Vol (gal) | Temp (°C) | SpC (µs/cm) | pH | ORP (mV) | DO (mg/L) |
|---|---|---|---|---|---|---|---|
| 10:24 | 5 | 5 | 22.9 | 3510 | 7.17 | 126 | 2.67 |
| 10:37 | 5 | 10 | 22.4 | 3557 | 7.11 | | |
| 10:48 | 4 | 14 | 22.5 | 3543 | 7.20 | | |
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Actual Purge Volume: 20 gals
Field Measurements stabilized within ± 10%: Y
Time/Date Sampled: 11:05 8-21-23 Purged/Sampled By: A.N
Sample Method: Pump
Requested Analyses: _____
Comments/Observations: _____

Well Casing Volumes
2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 ga/ft

# MONITOR WELL DEVELOPMENT FIELD FORM

## FLUID LEVEL DATA

Well ID 74-05 Date Gauged 8-21-23

Site Buena Vista II Time Gauged 11:20

| | | | |
|---|---|---|---|
| Depth to PSH | ____ feet | Well Diameter | 4 inches |
| Depth to Water | 43.86 feet | Height of Fluid Column | 13.31 feet |
| Total Depth | 57.17 feet | Volume in Well | 8.784 gallons |

(3 Well Volumes = 26.35 gallons)

## GROUNDWATER SAMPLING DATA

Time/date Purged 11:27 8-21-23 Purged Method Pump

| Time | Purge Vol (gal) | Cumul Purge Vol (gal) | Temp (°C) | SpC (µs/cm) | pH | ORP (mV) | DO (mg/L) |
|---|---|---|---|---|---|---|---|
| 11:49 | 10 | 10 | 24.8 | 3571 | 6.90 | 199 | 2.69 |
| 12:12 | 10 | 20 | 23.5 | 3566 | 7.09 | | |
| 12:34 | 7 | 27 | 23.3 | 3575 | 7.18 | | |
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Actual Purge Volume 32 gals Field Measurements stabilized within ± 10% Y

Time/Date Sampled 12:50 8-21-23 Purged/Sampled By A-N

Sample Method Pump

Requested Analyses _____

Comments/Observations _____

Well Casing Volumes

2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 ga/ft

# Chain-of-Custody Record

Client: EA Engineering, Science, and Technology

Mailing Address: 320 Gold Ave SW Suite

Phone #: 505-715-4279

email or Fax#: rmullen@eaest.com

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other_____

☐ EDD (Type) _____

Turn-Around Time:
☑ Standard ☐ **Rush**_____

Project Name: Dona Ana Dairies (DAD'S)

Project #:

Project Manager: Gina Mullen

Sampler: Angel Nieto Rivera

On Ice: ☐ Yes ☐ No

# of Coolers:

Cooler Temp(including CF):


**HALL ENVIRONMENTAL ANALYSIS LABORATORY**

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4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107


**Analysis Request**

| Date | Time | Matrix | Sample Name | Container Type and # | Preservative Type | HEAL No. | Nitrate/Nitrites EPA Method 300 | TKN SM 4500 NORG C | Chloride EPA 300 | TDS SM 2540 C MOD | Sulfate EPA 300 | | Phosphorus EPA 6010B | Total Sulfur | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8-30 | 12:40 | Gw | DAD-01 | 2 | | | X | X | X | X | | | | | | | | | | | | |
| 8-30 | 14:27 | Gw | DAD-12 | 2 | | | X | X | X | X | | | | | | | | | | | | |
| 8-30 | 15:50 | Gw | DAD-13 | 2 | | | X | X | X | X | | | | | | | | | | | | |
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| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |
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| 8-30 | 17:20 | | | | | |
| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |
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Remarks:

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email or Fax#: rmullen@eaest.com

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

☐ NELAC ☐ Other_____

☐ EDD (Type) _____

Turn-Around Time:

☑ Standard ☐ **Rush**_____

Project Name:

Dona Ana Dairies (DAD'S)

Project #:

Project Manager:

Gina Mullen

Sampler: Angel N. Rivera

On Ice: ☐ Yes ☐ No

# of Coolers:

Cooler Temp(including CF):


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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8-31 | 11:35 | Gw | DAD-11 | 2 | | | X | X | X | X | | | | | | | | | | | |
| 8-31 | 13:35 | Gw | DAD-14 | 2 | | | X | X | X | X | | | | | | | | | | | |
| 8-31 | 15:43 | Gw | DAD-23 | 2 | | | X | X | X | X | | | | | | | | | | | |
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| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |
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| 8-31 | 17:00 | | | | | |
| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |
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Turn-Around Time:

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Project #:

Project Manager:

Gina Mullen

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On Ice: ☐ Yes ☐ No

# of Coolers:

Cooler Temp(Including CF):


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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9-5 | 10:53 | Gw | DAD-02 | 2 | | | X | X | X | X | | | | | | | | | | | |
| 9-5 | 12:25 | Gw | DAD-03 | 2 | | | X | X | X | X | | | | | | | | | | | |
| 9-5 | 14:38 | Gw | DAD-15 | 2 | | | X | X | X | X | | | | | | | | | | | |
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| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |
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| 9-5 | 17:00 | | | | | |
| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |
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Turn-Around Time:

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Project Manager:

Gina Mullen

Sampler: Angel N. Rivera

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# of Coolers:

Cooler Temp(including CF):


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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9-6 | 10:20 | Gw | DAD-04 | 2 | | | X | X | X | X | | | | | | | | | | | |
| 9-6 | 11:55 | Gw | DAD-16 | 2 | | | X | X | X | X | | | | | | | | | | | |
| 9-6 | 13:50 | Gw | DAD-06R | 2 | | | X | X | X | X | | | | | | | | | | | |
| 9-6 | 15:20 | Gw | DAD-07 | 2 | | | X | X | X | X | | | | | | | | | | | |
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| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |
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| 9-6 | 16:45 | | | | | |
| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |
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☐ EDD (Type) _____

Turn-Around Time:

☑ Standard ☐ **Rush**_____

Project Name:

Dona Ana Dairies (DAD'S)

Project #:

Project Manager:

Gina Mullen

Sampler: Angel N. Rivera

On Ice: ☐ Yes ☐ No

# of Coolers:

Cooler Temp(including CF):


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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9-11 | 10:52 | Gw | DAD-24 | 2 | | | X | X | X | X | | | | | | | | | | |
| 9-11 | 12:30 | Gw | DAD-19 | 2 | | | X | X | X | X | | | | | | | | | | |
| 9-11 | 14:20 | Gw | DAD-17 | 2 | | | X | X | X | X | | | | | | | | | | |
| 9-11 | 15:41 | Gw | DAD-05 | 2 | | | X | X | X | X | | | | | | | | | | |

| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |
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| 9-11 | 17:10 | | | | | |
| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |
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Remarks:

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☐ NELAC ☐ Other_____

☐ EDD (Type) _____

Turn-Around Time:

☑ Standard ☐ **Rush**_____

Project Name:

Dona Ana Dairies (DAD'S)

Project #:

Project Manager:

Gina Mullen

Sampler: Angel N. Rivera

On Ice: ☐ Yes ☐ No

# of Coolers:

Cooler Temp(including CF):


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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9-12 | 10:28 | Gw | DAD-18 | 2 | | | X | X | X | X | | | | | | | | | | |
| 9-12 | 11:36 | Gw | DAD-08 | 2 | | | X | X | X | X | | | | | | | | | | |
| 9-12 | 16:24 | Gw | DAD-25 | 2 | | | X | X | X | X | | | | | | | | | | |
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| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |
|---|---|---|---|---|---|---|
| 9-12 | 17:50 | | | | | |
| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |
| | | | | | | |

Remarks:

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email or Fax#: rmullen@eaest.com

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other_____

☐ EDD (Type) _____

Turn-Around Time:
☑ Standard ☐ **Rush**_____

Project Name: Dona Ana Dairies (DAD'S)

Project #:

Project Manager: Gina Mullen

Sampler: Angel N. Rivera

On Ice: ☐ Yes ☐ No

# of Coolers:

Cooler Temp(including CF):


**HALL ENVIRONMENTAL ANALYSIS LABORATORY**

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107


**Analysis Request**

| Date | Time | Matrix | Sample Name | Container Type and # | Preservative Type | HEAL No. | Nitrate/Nitrites EPA Method 300.0 | TKN SM 4500 NORG C | Chloride EPA 300 | TDS SM 2540 C MOD | Sulfate EPA 300 | | Phosphorus EPA 6010B | Total Sulfur | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9-13 | 10:36 | Gw | DAD-10 | 2 | | | X | X | X | X | | | | | | | | | | |
| 9-13 | 12:15 | Gw | DAD-21 | 2 | | | X | X | X | X | | | | | | | | | | |
| 9-13 | 14:40 | Gw | DAD-09 | 2 | | | X | X | X | X | | | | | | | | | | |
| 9-13 | 16:19 | Gw | DAD-22 | 2 | | | X | X | X | X | | | | | | | | | | |
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| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |
|---|---|---|---|---|---|---|
| 9-13 | 17:36 | | | | | |
| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |
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Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

# Chain-of-Custody Record

Client: EA Engineering, Science, and Technology

Mailing Address: 320 Gold Ave SW Suite

Phone #: 505-715-4279

email or Fax#: rmullen@eaest.com

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other_____

☐ EDD (Type) _____

Turn-Around Time:
☑ Standard ☐ **Rush**_____

Project Name: Dona Ana Dairies (DAD'S)

Project #:

Project Manager: Gina Mullen

Sampler: Angel N. Rivera

On Ice: ☐ Yes ☐ No

# of Coolers:

Cooler Temp(including CF):


**HALL ENVIRONMENTAL ANALYSIS LABORATORY**

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107


**Analysis Request**

| Date | Time | Matrix | Sample Name | Container Type and # | Preservative Type | HEAL No. | Nitrate/Nitrites EPA Method 300.0 | TKN SM 4500 NORG C | Chloride EPA 300 | TDS SM 2540 C MOD | Sulfate EPA 300 | | Phosphorus EPA 6010B | Total Sulfur | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9-14 | 11:53 | Gw | DAD-27 | 2 | | | X | X | X | X | | | | | | | | | | | |
| 9-14 | 13:39 | Gw | DAD-26 | 2 | | | X | X | X | X | | | | | | | | | | | |
| 9-14 | 16:16 | Gw | DAD-20 | 2 | | | X | X | X | X | | | | | | | | | | | |
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| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |
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| 9-14 | 17:40 | | | | | |
| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |
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Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

# MONITOR WELL DEVELOPMENT FIELD FORM

## FLUID LEVEL DATA

Well ID: DAD-01
Site: DAD's
Date Gauged: 8-30-23
Time Gauged: 11:51

Depth to PSH: _____ feet
Depth to Water: 75.04 feet
Total Depth: 76.35 feet
Well Diameter: 2 inches
Height of Fluid Column: 1.31 feet
Volume in Well: 0.2227 gallons
(3 Well Volumes = 0.66 gallons)

## GROUNDWATER SAMPLING DATA

Time/date Purged 11:56 8-30-23 Purged Method Bail

| Time | Purge Vol (gal) | Cumul Purge Vol (gal) | Temp (°C) | SpC (µs/cm) | pH | ORP (mV) | DO (mg/L) |
|---|---|---|---|---|---|---|---|
| 12:00 | .25 | .25 | 25.8 | 2327 | 7.17 | 130 | 1.71 |
| 12:05 | .25 | .50 | 25.4 | 2248 | 7.20 | | |
| 12:10 | .25 | .75 | 24.8 | 2236 | 7.22 | | |
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Actual Purge Volume 1.50 gals
Field Measurements stabilized within ± 10% Y
Time/Date Sampled 12:40 8-30-23
Purged/Sampled By A.N
Sample Method Bail
Requested Analyses
Comments/Observations

Well Casing Volumes
2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 ga/ft

# MONITOR WELL DEVELOPMENT FIELD FORM

## FLUID LEVEL DATA

Well ID: DAD-02 | Date Gauged: 9-5-23

Site: DAD's | Time Gauged: 10:17

Depth to PSH: _____ feet | Well Diameter: 2 inches

Depth to Water: 68.04 feet | Height of Fluid Column: 0.40 feet

Total Depth: 68.44 feet | Volume in Well: 0.068 gallons

(3 Well Volumes = 0.20 gallons)

## GROUNDWATER SAMPLING DATA

Time/date Purged 10:22 9-5-23 | Purged Method Bail

| Time | Purge Vol (gal) | Cumul Purge Vol (gal) | Temp (°C) | SpC (µs/cm) | pH | ORP (mV) | DO (mg/L) |
|---|---|---|---|---|---|---|---|
| 10:27 | .25 | .25 | 24.8 | 3256 | 7.73 | 127 | 2.45 |
| 10:34 | .25 | .50 | 25.0 | 3365 | 7.33 | | |
| 10:42 | .25 | .75 | 24.6 | 3160 | 7.19 | | |
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Actual Purge Volume 1.25 gals | Field Measurements stabilized within ± 10% Y

Time/Date Sampled 10:53 9-5-23 | Purged/Sampled By A.N

Sample Method Bail

Requested Analyses _____

Comments/Observations _____

Well Casing Volumes

2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 ga/ft

# MONITOR WELL DEVELOPMENT FIELD FORM

## FLUID LEVEL DATA

Well ID: DAD-03 | Date Gauged: 9-5-23

Site: DAD's | Time Gauged: 11:08

Depth to PSH: _____ feet | Well Diameter: 2 inches

Depth to Water: 15.53 feet | Height of Fluid Column: 3.37 feet

Total Depth: 18.90 feet | Volume in Well: 0.572 gallons

(3 Well Volumes = 1.71 gallons)

## GROUNDWATER SAMPLING DATA

Time/date Purged 11:14 9-5-23 | Purged Method Bail

| Time | Purge Vol (gal) | Cumul Purge Vol (gal) | Temp (°C) | SpC (µs/cm) | pH | ORP (mV) | DO (mg/L) |
|---|---|---|---|---|---|---|---|
| 11:25 | .50 | .50 | 23.2 | 2550 | 7.31 | 35 | 1.88 |
| 11:35 | .50 | 1 | 23.0 | 2601 | 7.23 | | |
| 11:48 | .75 | 1.75 | 22.5 | 2569 | 7.22 | | |
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Actual Purge Volume 3.50 gals | Field Measurements stabilized within ± 10% Y

Time/Date Sampled 12:25 9-5-23 | Purged/Sampled By A.N

Sample Method Bail

Requested Analyses _____

Comments/Observations _____

Well Casing Volumes

2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 ga/ft

# MONITOR WELL DEVELOPMENT FIELD FORM

## FLUID LEVEL DATA

| | | | |
|---|---|---|---|
| Well ID | DAD-04 | Date Gauged | 9-6-23 |
| Site | DAD's | Time Gauged | 9:41 |

| | | | |
|---|---|---|---|
| Depth to PSH | ____ feet | Well Diameter | 2 inches |
| Depth to Water | 18.10 feet | Height of Fluid Column | 0.63 feet |
| Total Depth | 18.73 feet | Volume in Well | 0.107 gallons |

(3 Well Volumes = 0.32 gallons)

## GROUNDWATER SAMPLING DATA

Time/date Purged 9:46 9-6-23 Purged Method Bail

| Time | Purge Vol (gal) | Cumul Purge Vol (gal) | Temp (°C) | SpC (µs/cm) | pH | ORP (mV) | DO (mg/L) |
|---|---|---|---|---|---|---|---|
| 9:56 | .25 | .25 | 21.5 | 3424 | 7.00 | 157 | 2.60 |
| 10:00 | .25 | .50 | 21.1 | 3393 | 7.13 | | |
| 10:09 | .25 | .75 | 21.1 | 3386 | 7.18 | | |
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Actual Purge Volume 1.50 gals Field Measurements stabilized within ± 10% Y

Time/Date Sampled 10:20 9-6-23 Purged/Sampled By A.N

Sample Method Bail

Requested Analyses _____

Comments/Observations _____

Well Casing Volumes

2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 ga/ft

# MONITOR WELL DEVELOPMENT FIELD FORM

## FLUID LEVEL DATA

Well ID: D4D-05
Site: DAD's
Date Gauged: 9-11-23
Time Gauged: 14:40

Depth to PSH: _____ feet
Depth to Water: 16.05 feet
Total Depth: 23.10 feet
Well Diameter: 2 inches
Height of Fluid Column: 7.05 feet
Volume in Well: 1.198 gallons
(3 Well Volumes = 3.59 gallons)

## GROUNDWATER SAMPLING DATA

Time/date Purged 14:45 9-11-23 Purged Method Bail

| Time | Purge Vol (gal) | Cumul Purge Vol (gal) | Temp (°C) | SpC (µs/cm) | pH | ORP (mV) | DO (mg/L) |
|---|---|---|---|---|---|---|---|
| 14:53 | 1 | 1 | 26.1 | 1161 | 7.86 | 91 | 1.15 |
| 15:00 | 1 | 2 | 25.0 | 1196 | 7.52 | | |
| 15:16 | 1.75 | 3.75 | 22.7 | 1243 | 7.30 | | |
| 15:19 | .25 | 4 | 22.8 | 1266 | 7.28 | | |
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Actual Purge Volume 6 gals
Field Measurements stabilized within ± 10% Y
Time/Date Sampled 15:41 9-11-23
Purged/Sampled By AW
Sample Method Bail
Requested Analyses _____
Comments/Observations _____

Well Casing Volumes
2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 ga/ft

# MONITOR WELL DEVELOPMENT FIELD FORM

## FLUID LEVEL DATA

Well ID: DAD-06R
Site: DAD's
Date Gauged: 9-6-23
Time Gauged: 12:28

Depth to PSH: _____ feet
Depth to Water: 86.18 feet
Total Depth: 102.10 feet
Well Diameter: 2 inches
Height of Fluid Column: 15.92 feet
Volume in Well: 2.706 gallons
(3 Well Volumes = 8.11 gallons)

## GROUNDWATER SAMPLING DATA

Time/date Purged: 12:35 9-6-23 Purged Method: Pump

| Time | Purge Vol (gal) | Cumul Purge Vol (gal) | Temp (°C) | SpC (µs/cm) | pH | ORP (mV) | DO (mg/L) |
|---|---|---|---|---|---|---|---|
| 12:55 | 3 | 3 | 28.3 | 1199 | 7.13 | 131 | 1.20 |
| 13:15 | 3 | 6 | 27.2 | 1148 | 7.50 | | |
| 13:35 | 3 | 9 | 26.1 | 1123 | 7.24 | | |
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Actual Purge Volume: 12 gals
Field Measurements stabilized within ± 10%: Y
Time/Date Sampled: 13:50 9-6-23
Purged/Sampled By: A.N
Sample Method: Pump
Requested Analyses:
Comments/Observations: Really slow water flow

Well Casing Volumes
2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 ga/ft

# MONITOR WELL DEVELOPMENT FIELD FORM

## FLUID LEVEL DATA

Well ID: DAD-07
Site: DAD's
Date Gauged: 9-6-23
Time Gauged: 14:08

Depth to PSH: _____ feet
Depth to Water: 93.30 feet
Total Depth: 100.66 feet
Well Diameter: 2 inches
Height of Fluid Column: 7.36 feet
Volume in Well: 1.251 gallons
(3 Well Volumes = 3.75 gallons)

## GROUNDWATER SAMPLING DATA

Time/date Purged: 14:13 9-6-23
Purged Method: Bail

| Time | Purge Vol (gal) | Cumul Purge Vol (gal) | Temp (°C) | SpC (µs/cm) | pH | ORP (mV) | DO (mg/L) |
|---|---|---|---|---|---|---|---|
| 14:28 | 1 | 1 | 26.9 | 3903 | 7.55 | 133 | 2.28 |
| 14:42 | 1 | 2 | 26.5 | 3967 | 7.28 | | |
| 15:00 | 2 | 4 | 27.2 | 4036 | 7.24 | | |
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Actual Purge Volume: 6 gals
Field Measurements stabilized within ± 10%: Y
Time/Date Sampled: 15:20 9-6-23
Purged/Sampled By: A.V
Sample Method: Bail
Requested Analyses: _____
Comments/Observations: _____

Well Casing Volumes
2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 ga/ft

# MONITOR WELL DEVELOPMENT FIELD FORM

## FLUID LEVEL DATA

| | | | |
|---|---|---|---|
| Well ID | DAD-08 | Date Gauged | 9-12-23 |
| Site | DAD's | Time Gauged | 10:50 |

| | | | |
|---|---|---|---|
| Depth to PSH | ____ feet | Well Diameter | 2 inches |
| Depth to Water | 53.26 feet | Height of Fluid Column | 2.44 feet |
| Total Depth | 55.70 feet | Volume in Well | 0.414 gallons |

(3 Well Volumes = 1.24 gallons)

## GROUNDWATER SAMPLING DATA

Time/date Purged 10:55 9-12-23 Purged Method Bail

| Time | Purge Vol (gal) | Cumul Purge Vol (gal) | Temp (°C) | SpC (µs/cm) | pH | ORP (mV) | DO (mg/L) |
|---|---|---|---|---|---|---|---|
| 11:01 | .50 | .50 | 21.4 | 6381 | 7.11 | 142 | 2.35 |
| 11:07 | .50 | 1 | 21.5 | 6468 | 7.15 | | |
| 11:13 | .50 | 1.50 | 21.3 | 6618 | 7.23 | | |
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Actual Purge Volume 3.50 gals Field Measurements stabilized within ± 10% Y

Time/Date Sampled 11:36 9-12-23 Purged/Sampled By A.N

Sample Method Bail

Requested Analyses

Comments/Observations

Well Casing Volumes

2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 ga/ft

# MONITOR WELL DEVELOPMENT FIELD FORM

## FLUID LEVEL DATA

| | | | |
|---|---|---|---|
| Well ID | DAD-09 | Date Gauged | 9-13-23 |
| Site | DAD's | Time Gauged | 13:20 |

| | | | |
|---|---|---|---|
| Depth to PSH | ____ feet | Well Diameter | 2 inches |
| Depth to Water | 57.10 feet | Height of Fluid Column | 4.15 feet |
| Total Depth | 61.25 feet | Volume in Well | 0.705 gallons |

(3 Well Volumes = 2.11 gallons)

## GROUNDWATER SAMPLING DATA

Time/date Purged 13:25 9-13-23 Purged Method Bail

| Time | Purge Vol (gal) | Cumul Purge Vol (gal) | Temp (°C) | SpC (µs/cm) | pH | ORP (mV) | DO (mg/L) |
|---|---|---|---|---|---|---|---|
| 13:32 | .50 | .50 | 23.8 | 2058 | 6.75 | 135 | 1.50 |
| 13:44 | 1 | 1.50 | 24.0 | 2368 | 7.16 | | |
| 13:56 | 1 | 2.50 | 23.7 | 2735 | 7.24 | | |
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Actual Purge Volume 4 gals Field Measurements stabilized within ± 10% Y

Time/Date Sampled 14:40 9-13-23 Purged/Sampled By A.N

Sample Method Bail

Requested Analyses

Comments/Observations Low water flow

Well Casing Volumes

2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 ga/ft

# MONITOR WELL DEVELOPMENT FIELD FORM

## FLUID LEVEL DATA

| | | | |
|---|---|---|---|
| Well ID | DAD-10 | Date Gauged | 9-13-23 |
| Site | DAD's | Time Gauged | 9:38 |

| | | | |
|---|---|---|---|
| Depth to PSH | _____ feet | Well Diameter | 2 inches |
| Depth to Water | 83.85 feet | Height of Fluid Column | 9.95 feet |
| Total Depth | 93.80 feet | Volume in Well | 1.691 gallons |

(3 Well Volumes = 5.07 gallons)

## GROUNDWATER SAMPLING DATA

Time/date Purged 9:46 9-13-23 Purged Method Bail

| Time | Purge Vol (gal) | Cumul Purge Vol (gal) | Temp (°C) | SpC (µs/cm) | pH | ORP (mV) | DO (mg/L) |
|---|---|---|---|---|---|---|---|
| 9:58 | 2 | 2 | 21.4 | 2159 | 7.52 | 125 | 1.59 |
| 10:14 | 2 | 4 | 20.9 | 2147 | 7.24 | | |
| 10:20 | 1.25 | 5.25 | 20.8 | 2138 | 7.17 | | |
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Actual Purge Volume 7.50 gals Field Measurements stabilized within ± 10% Y

Time/Date Sampled 10:36 9-13-23 Purged/Sampled By A.N

Sample Method Bail

Requested Analyses _____

Comments/Observations _____

Well Casing Volumes

2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 ga/ft

# MONITOR WELL DEVELOPMENT FIELD FORM

## FLUID LEVEL DATA

Well ID: DAD-11
Site: DAD's
Date Gauged: 8-31-23
Time Gauged: 10:00

Depth to PSH: _____ feet
Depth to Water: 23.49 feet
Total Depth: 47.53 feet
Well Diameter: 4 inches
Height of Fluid Column: 24.04 feet
Volume in Well: 15.866 gallons
(3 Well Volumes = 47.59 gallons)

## GROUNDWATER SAMPLING DATA

Time/date Purged: 10:06 8-31-23 Purged Method: Pump

| Time | Purge Vol (gal) | Cumul Purge Vol (gal) | Temp (°C) | SpC (µs/cm) | pH | ORP (mV) | DO (mg/L) |
|---|---|---|---|---|---|---|---|
| 10:27 | 15 | 15 | 21.9 | 5043 | 7.16 | 142 | 2.68 |
| 10:48 | 15 | 30 | 21.8 | 5061 | 7.13 | | |
| 11:19 | 18 | 48 | 22.0 | 5073 | 7.27 | | |
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Actual Purge Volume: 53 gals
Field Measurements stabilized within ± 10%: Y
Time/Date Sampled: 11:35 8-31-23
Purged/Sampled By: A.N
Sample Method: Pump
Requested Analyses: _____
Comments/Observations: _____

Well Casing Volumes
2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 ga/ft

# MONITOR WELL DEVELOPMENT FIELD FORM

## FLUID LEVEL DATA

Well ID DAD-12 Date Gauged 8·30-23

Site DAD's Time Gauged 13:30

Depth to PSH _____ feet Well Diameter 2 inches

Depth to Water 54.03 feet Height of Fluid Column 28.22 feet

Total Depth 82.25 feet Volume in Well 4.797 gallons

(3 Well Volumes = 14.39 gallons)

## GROUNDWATER SAMPLING DATA

Time/date Purged 13:34 8·30·23 Purged Method Pump

| Time | Purge Vol (gal) | Cumul Purge Vol (gal) | Temp (°C) | SpC (µs/cm) | pH | ORP (mV) | DO (mg/L) |
|---|---|---|---|---|---|---|---|
| 13:50 | 5 | 5 | 23.4 | 4620 | 7.02 | 123 | 2.29 |
| 14:00 | 5 | 10 | 23.3 | 4662 | 7.13 | | |
| 14:12 | 5 | 15 | 23.1 | 4669 | 7.25 | | |
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Actual Purge Volume 20 gals Field Measurements stabilized within ± 10% Y

Time/Date Sampled 14:27 8·30·23 Purged/Sampled By A.N

Sample Method Pump

Requested Analyses _____

Comments/Observations _____

Well Casing Volumes

2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 ga/ft

# MONITOR WELL DEVELOPMENT FIELD FORM

## FLUID LEVEL DATA

Well ID: DAD-13
Site: DAD's
Date Gauged: 8-30-23
Time Gauged: 14:43

Depth to PSH: _____ feet
Depth to Water: 88.68 feet
Total Depth: 92.78 feet
Well Diameter: 2 inches
Height of Fluid Column: 4.10 feet
Volume in Well: 0.697 gallons
(3 Well Volumes = 2.09 gallons)

## GROUNDWATER SAMPLING DATA

Time/date Purged: 14:48 8-30-23
Purged Method: Bail

| Time | Purge Vol (gal) | Cumul Purge Vol (gal) | Temp (°C) | SpC (µs/cm) | pH | ORP (mV) | DO (mg/L) |
|---|---|---|---|---|---|---|---|
| 15:05 | .50 | .50 | 28.9 | 3996 | 7.59 | 113 | 2.94 |
| 15:17 | .50 | 1 | 26.9 | 3604 | 7.39 | | |
| 15:36 | 1.25 | 2.25 | 24.9 | 3371 | 7.26 | | |
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Actual Purge Volume: 4.50 gals
Field Measurements stabilized within ± 10%: Y
Time/Date Sampled: 15:50 8-30-23
Purged/Sampled By: A.N
Sample Method: Bail
Requested Analyses: _____
Comments/Observations: _____

Well Casing Volumes
2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 ga/ft

# MONITOR WELL DEVELOPMENT FIELD FORM

## FLUID LEVEL DATA

Well ID: DAD-14
Site: DAD's
Date Gauged: 8-31-23
Time Gauged: 11:58

Depth to PSH: _____ feet
Depth to Water: 32.04 feet
Total Depth: 42.55 feet
Well Diameter: 2 inches
Height of Fluid Column: 10.51 feet
Volume in Well: 1.786 gallons
(3 Well Volumes = 5.36 gallons)

## GROUNDWATER SAMPLING DATA

Time/date Purged 12:06 8-31-23 Purged Method Bail

| Time | Purge Vol (gal) | Cumul Purge Vol (gal) | Temp (°C) | SpC (µs/cm) | pH | ORP (mV) | DO (mg/L) |
|---|---|---|---|---|---|---|---|
| 12:22 | 2 | 2 | 23.1 | 6032 | 7.67 | 118 | 2.77 |
| 12:35 | 2 | 4 | 22.7 | 6230 | 7.50 | | |
| 12:49 | 1.50 | 5.50 | 22.4 | 6444 | 7.38 | | |
| 12:52 | .25 | 5.75 | 22.2 | 6333 | 7.30 | | |
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Actual Purge Volume 8 gals
Field Measurements stabilized within ± 10% Y
Time/Date Sampled 13:35 8-31-23
Purged/Sampled By A.N
Sample Method Bail
Requested Analyses
Comments/Observations

Well Casing Volumes
2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 ga/ft

# MONITOR WELL DEVELOPMENT FIELD FORM

## FLUID LEVEL DATA

Well ID: DAD-15
Site: DAD's
Date Gauged: 9-5-23
Time Gauged: 13:10

Depth to PSH: _____ feet
Depth to Water: 97.10 feet
Total Depth: 109.90 feet
Well Diameter: 2 inches
Height of Fluid Column: 12.80 feet
Volume in Well: 2.176 gallons

(3 Well Volumes = 6.52 gallons)

## GROUNDWATER SAMPLING DATA

Time/date Purged 13:16 9-5-23 Purged Method Bail

| Time | Purge Vol (gal) | Cumul Purge Vol (gal) | Temp (°C) | SpC (µs/cm) | pH | ORP (mV) | DO (mg/L) |
|---|---|---|---|---|---|---|---|
| 13:31 | 2 | 2 | 26.2 | 3743 | 6.93 | 86 | 2.82 |
| 13:46 | 2 | 4 | 25.4 | 3894 | 7.08 | | |
| 14:07 | 3 | 7 | 24.8 | 3925 | 7.18 | | |
| 14:10 | .25 | 7.25 | 24.9 | 3977 | 7.20 | | |
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Actual Purge Volume 9 gals
Field Measurements stabilized within ± 10% Y
Time/Date Sampled 14:38 9-5-23
Purged/Sampled By A.N
Sample Method Bail
Requested Analyses
Comments/Observations

Well Casing Volumes
2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 ga/ft

# MONITOR WELL DEVELOPMENT FIELD FORM

## FLUID LEVEL DATA

Well ID: DAD-16
Site: DAD's
Date Gauged: 9-6-23
Time Gauged: 10:52

Depth to PSH: _____ feet
Depth to Water: 20.90 feet
Total Depth: 32.75 feet
Well Diameter: 2 inches
Height of Fluid Column: 11.85 feet
Volume in Well: 2.014 gallons
(3 Well Volumes = 6.04 gallons)

## GROUNDWATER SAMPLING DATA

Time/date Purged: 10:58 9-6-23
Purged Method: Pump

| Time | Purge Vol (gal) | Cumul Purge Vol (gal) | Temp (°C) | SpC (µs/cm) | pH | ORP (mV) | DO (mg/L) |
|---|---|---|---|---|---|---|---|
| 11:10 | 2 | 2 | 20.0 | 2572 | 7.41 | 136 | 1.94 |
| 11:22 | 2 | 4 | 19.4 | 2583 | 7.30 | | |
| 11:36 | 2.25 | 6.25 | 19.2 | 2596 | 7.28 | | |
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Actual Purge Volume: 9.50 gals
Field Measurements stabilized within ± 10%: Y
Time/Date Sampled: 11:55 9-6-23
Purged/Sampled By: A.N
Sample Method: Pump
Requested Analyses: _____
Comments/Observations: _____

Well Casing Volumes
2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 ga/ft

# MONITOR WELL DEVELOPMENT FIELD FORM

## FLUID LEVEL DATA

Well ID: DAD-17
Site: DAD's
Date Gauged: 9-11-23
Time Gauged: 13:26

Depth to PSH: _____ feet
Depth to Water: 20.76 feet
Total Depth: 38.89 feet
Well Diameter: 2 inches
Height of Fluid Column: 18.13 feet
Volume in Well: 3.082 gallons
(3 Well Volumes = 9.24 gallons)

## GROUNDWATER SAMPLING DATA

Time/date Purged: 13:31 9-11-23
Purged Method: Pump

| Time | Purge Vol (gal) | Cumul Purge Vol (gal) | Temp (°C) | SpC (µs/cm) | pH | ORP (mV) | DO (mg/L) |
|---|---|---|---|---|---|---|---|
| 13:38 | 3 | 3 | 24.9 | 1042 | 7.03 | 119 | 1.02 |
| 13:45 | 3 | 6 | 22.6 | 1236 | 7.16 | | |
| 13:56 | 4 | 10 | 21.9 | 1260 | 7.29 | | |
| 13:59 | .25 | 10.25 | 21.7 | 1244 | 7.26 | | |
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Actual Purge Volume: 13 gals
Field Measurements stabilized within ± 10%: Y
Time/Date Sampled: 14:20 9-11-23
Purged/Sampled By: A.N
Sample Method: Pump
Requested Analyses: _____
Comments/Observations: _____

Well Casing Volumes
2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 ga/ft

# MONITOR WELL DEVELOPMENT FIELD FORM

## FLUID LEVEL DATA

| | | | |
|---|---|---|---|
| Well ID | DAD-18 | Date Gauged | 9-12-23 |
| Site | DAD's | Time Gauged | 9:05 |

| | | | |
|---|---|---|---|
| Depth to PSH | _____ feet | Well Diameter | 2 inches |
| Depth to Water | 23.83 feet | Height of Fluid Column | 33.32 feet |
| Total Depth | 57.15 feet | Volume in Well | 5.664 gallons |

(3 Well Volumes = 16.99 gallons)

## GROUNDWATER SAMPLING DATA

Time/date Purged 9:10 9-12-23 Purged Method Pump

| Time | Purge Vol (gal) | Cumul Purge Vol (gal) | Temp (°C) | SpC (µs/cm) | pH | ORP (mV) | DO (mg/L) |
|---|---|---|---|---|---|---|---|
| 9:24 | 5 | 5 | 18.0 | 4065 | 7.31 | 141 | 1.41 |
| 9:36 | 5 | 10 | 17.8 | 4057 | 7.26 | | |
| 9:49 | 7 | 17 | 18.1 | 4012 | 7.20 | | |
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Actual Purge Volume 22 gals Field Measurements stabilized within ± 10% Y

Time/Date Sampled 10:28 9-12-23 Purged/Sampled By A.N

Sample Method Pump

Requested Analyses _____

Comments/Observations _____

Well Casing Volumes

2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 ga/ft

# MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID: DAD-19
Site: DAD's
Date Gauged: 9-11-23
Time Gauged: 11:15

Depth to PSH: _____ feet
Depth to Water: 66.38 feet
Total Depth: 99.35 feet
Well Diameter: 2 inches
Height of Fluid Column: 32.97 feet
Volume in Well: 5.604 gallons
(3 Well Volumes = 16.81 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 11:21 9-11-23 Purged Method Pump

| Time | Purge Vol (gal) | Cumul Purge Vol (gal) | Temp (°C) | SpC (µs/cm) | pH | ORP (mV) | DO (mg/L) |
|---|---|---|---|---|---|---|---|
| 11:37 | 5 | 5 | 24.3 | 4710 | 6.66 | 160 | 2.52 |
| 11:48 | 5 | 10 | 23.8 | 4723 | 7.07 | | |
| 12:15 | 7 | 17 | 25.2 | 4671 | 7.22 | | |
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Actual Purge Volume 22 gals
Field Measurements stabilized within ± 10% Y
Time/Date Sampled 12:30 9-11-23
Purged/Sampled By A.N
Sample Method Pump
Requested Analyses
Comments/Observations

Well Casing Volumes
2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 ga/ft

# MONITOR WELL DEVELOPMENT FIELD FORM

## FLUID LEVEL DATA

Well ID: DAD-20
Site: DAD's
Date Gauged: 9-14-23
Time Gauged: 15:20

Depth to PSH: _____ feet
Depth to Water: 57.20 feet
Total Depth: 68.85 feet
Well Diameter: 2 inches
Height of Fluid Column: 11.65 feet
Volume in Well: 1.980 gallons
(3 Well Volumes = 5.94 gallons)

## GROUNDWATER SAMPLING DATA

Time/date Purged: 15:25 9-14-23
Purged Method: Bail

| Time | Purge Vol (gal) | Cumul Purge Vol (gal) | Temp (°C) | SpC (µs/cm) | pH | ORP (mV) | DO (mg/L) |
|---|---|---|---|---|---|---|---|
| 15:35 | 2 | 2 | 23.9 | 4200 | 6.69 | 132 | 2.00 |
| 15:45 | 2 | 4 | 23.3 | 3838 | 7.07 | | |
| 15:56 | 2 | 6 | 23.5 | 3721 | 7.19 | | |
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Actual Purge Volume: 8 gals
Field Measurements stabilized within ± 10%: Y
Time/Date Sampled: 16:16 9-14-23
Purged/Sampled By: A.N
Sample Method: Bail
Requested Analyses: _____
Comments/Observations: _____

Well Casing Volumes
2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 ga/ft

# MONITOR WELL DEVELOPMENT FIELD FORM

## FLUID LEVEL DATA

Well ID: DAD-21
Site: DAD's
Date Gauged: 9-13-23
Time Gauged: 10:52

Depth to PSH: _____ feet
Depth to Water: 58.72 feet
Total Depth: 66.52 feet
Well Diameter: 2 inches
Height of Fluid Column: 7.80 feet
Volume in Well: 1.326 gallons

(3 Well Volumes = 3.97 gallons)

## GROUNDWATER SAMPLING DATA

Time/date Purged 10:57 9-13-23 Purged Method Bail

| Time | Purge Vol (gal) | Cumul Purge Vol (gal) | Temp (°C) | SpC (µs/cm) | pH | ORP (mV) | DO (mg/L) |
|---|---|---|---|---|---|---|---|
| 11:08 | 1 | 1 | 22.5 | 3291 | 7.08 | 141 | 2.49 |
| 11:20 | 1 | 2 | 23.0 | 3921 | 7.12 | | |
| 11:43 | 2 | 4 | 22.8 | 4126 | 7.20 | | |
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Actual Purge Volume 6.25 gals
Field Measurements stabilized within ± 10% Y
Time/Date Sampled 12:15 9-13-23
Purged/Sampled By A.N
Sample Method Bail
Requested Analyses
Comments/Observations low water flow, slow water recovery

Well Casing Volumes
2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 ga/ft

# MONITOR WELL DEVELOPMENT FIELD FORM

## FLUID LEVEL DATA

Well ID: DAD-22
Site: DAD's
Date Gauged: 9-13-23
Time Gauged: 14:53

Depth to PSH: _____ feet
Depth to Water: 46.92 feet
Total Depth: 50.05 feet
Well Diameter: 2 inches
Height of Fluid Column: 3.13 feet
Volume in Well: 0.532 gallons
(3 Well Volumes = 1.59 gallons)

## GROUNDWATER SAMPLING DATA

Time/date Purged: 14:58 9-13-23 Purged Method: Bail

| Time | Purge Vol (gal) | Cumul Purge Vol (gal) | Temp (°C) | SpC (µs/cm) | pH | ORP (mV) | DO (mg/L) |
|---|---|---|---|---|---|---|---|
| 15:06 | .50 | .50 | 24.2 | 3687 | 7.28 | 130 | 2.79 |
| 15:21 | .50 | 1 | 23.9 | 3711 | 7.31 | | |
| 15:53 | .75 | 1.75 | 23.8 | 3676 | 7.25 | | |
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Actual Purge Volume: 2.25 gals
Field Measurements stabilized within ± 10%: Y
Time/Date Sampled: 16:19 9-13-23
Purged/Sampled By: A.N
Sample Method: Bail
Requested Analyses:
Comments/Observations: Very low water flow. very slow water recovery.

Well Casing Volumes
2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 ga/ft

# MONITOR WELL DEVELOPMENT FIELD FORM

## FLUID LEVEL DATA

Well ID: DAD-23
Site: DAD's
Date Gauged: 8-31-23
Time Gauged: 13:50

Depth to PSH: _____ feet
Depth to Water: 46.82 feet
Total Depth: 57.75 feet
Well Diameter: 2 inches
Height of Fluid Column: 10.93 feet
Volume in Well: 1.858 gallons
(3 Well Volumes = 5.57 gallons)

## GROUNDWATER SAMPLING DATA

Time/date Purged 13:55 8-31-23 Purged Method Bail

| Time | Purge Vol (gal) | Cumul Purge Vol (gal) | Temp (°C) | SpC (µs/cm) | pH | ORP (mV) | DO (mg/L) |
|---|---|---|---|---|---|---|---|
| 14:09 | 2 | 2 | 24.8 | 2946 | 7.77 | 103 | 2.22 |
| 14:34 | 2 | 4 | 24.6 | 3861 | 7.60 | | |
| 14:58 | 2 | 6 | 24.4 | 3874 | 7.46 | | |
| 15:00 | .25 | 6.25 | 24.5 | 3881 | 7.37 | | |
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Actual Purge Volume 8 gals
Field Measurements stabilized within ± 10% Y
Time/Date Sampled 15:43 8-31-23
Purged/Sampled By A.N
Sample Method Bail
Requested Analyses
Comments/Observations Low water flow. around 5 gals.

Well Casing Volumes
2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 ga/ft

# MONITOR WELL DEVELOPMENT FIELD FORM

## FLUID LEVEL DATA

Well ID: DAD-24
Site: DAD's
Date Gauged: 9-11-23
Time Gauged: 9:18

Depth to PSH: _____ feet
Depth to Water: 68.67 feet
Total Depth: 130.55 feet
Well Diameter: 2 inches
Height of Fluid Column: 61.88 feet
Volume in Well: 10.519 gallons
(3 Well Volumes = 31.55 gallons)

## GROUNDWATER SAMPLING DATA

Time/date Purged: 9:27 9-11-23 Purged Method: Pump

| Time | Purge Vol (gal) | Cumul Purge Vol (gal) | Temp (°C) | SpC (µs/cm) | pH | ORP (mV) | DO (mg/L) |
|---|---|---|---|---|---|---|---|
| 9:50 | 10 | 10 | 25.1 | 4350 | 7.10 | 142 | 2.33 |
| 10:20 | 10 | 20 | 24.8 | 4394 | 6.96 | | |
| 10:35 | 12 | 32 | 25.3 | 4377 | 7.19 | | |
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Actual Purge Volume: 37 gals
Field Measurements stabilized within ± 10%: Y
Time/Date Sampled: 10:52 9-11-23
Purged/Sampled By: A.N
Sample Method: Pump
Requested Analyses:
Comments/Observations: Very slow water flow

Well Casing Volumes
2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 ga/ft

# MONITOR WELL DEVELOPMENT FIELD FORM

## FLUID LEVEL DATA

Well ID: DAD-25
Site: DAD-3
Date Gauged: 9-12-23
Time Gauged: 14:15

Depth to PSH: _____ feet
Depth to Water: 67.71 feet
Total Depth: 77.17 feet
Well Diameter: 2 inches
Height of Fluid Column: 9.46 feet
Volume in Well: 1.608 gallons
(3 Well Volumes = 4.82 gallons)

## GROUNDWATER SAMPLING DATA

Time/date Purged 14:22 9-12-23 Purged Method Bail

| Time | Purge Vol (gal) | Cumul Purge Vol (gal) | Temp (°C) | SpC (µs/cm) | pH | ORP (mV) | DO (mg/L) |
|---|---|---|---|---|---|---|---|
| 14:38 | 1.50 | 1.50 | 22.4 | 3385 | 7.29 | 141 | 2.57 |
| 14:54 | 1.50 | 3 | 22.5 | 3358 | 7.23 | | |
| 15:33 | 2 | 5 | 22.7 | 3341 | 7.21 | | |
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Actual Purge Volume 6.50 gals
Field Measurements stabilized within ± 10% Y
Time/Date Sampled 16:24 9-12-23
Purged/Sampled By A.N
Sample Method Bail
Requested Analyses
Comments/Observations Slow water Recovery, well was drying out at 3.5 gals. will Recover but slowly.

Well Casing Volumes
2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 ga/ft

# MONITOR WELL DEVELOPMENT FIELD FORM

## FLUID LEVEL DATA

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|---|---|---|---|
| Well ID | DAD-26 | Date Gauged | 9-14-23 |
| Site | DAD's | Time Gauged | 12:09 |

| | | | |
|---|---|---|---|
| Depth to PSH | ____ feet | Well Diameter | 2 inches |
| Depth to Water | 49.44 feet | Height of Fluid Column | 13.19 feet |
| Total Depth | 62.63 feet | Volume in Well | 2.242 gallons |

(3 Well Volumes = 6.72 gallons)

## GROUNDWATER SAMPLING DATA

Time/date Purged 12:15 9-14-23 Purged Method Bail

| Time | Purge Vol (gal) | Cumul Purge Vol (gal) | Temp (°C) | SpC (µs/cm) | pH | ORP (mV) | DO (mg/L) |
|---|---|---|---|---|---|---|---|
| 12:37 | 2 | 2 | 23.9 | 4423 | 7.12 | 126 | 1.35 |
| 12:56 | 2 | 4 | 23.5 | 4434 | 7.23 | | |
| 13:22 | 3 | 7 | 23.6 | 4382 | 7.18 | | |
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Actual Purge Volume 9 gals Field Measurements stabilized within ± 10% Y

Time/Date Sampled 13:39 9-14-23 Purged/Sampled By AN

Sample Method Bail

Requested Analyses _____

Comments/Observations _____

Well Casing Volumes

2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 ga/ft

# MONITOR WELL DEVELOPMENT FIELD FORM

## FLUID LEVEL DATA

Well ID: DAD-27
Site: DAD's
Date Gauged: 9-14-23
Time Gauged: 10:52

Depth to PSH: _____ feet
Depth to Water: 26.96 feet
Total Depth: 37.65 feet
Well Diameter: 2 inches
Height of Fluid Column: 10.69 feet
Volume in Well: 1.817 gallons
(3 Well Volumes = 5.45 gallons)

## GROUNDWATER SAMPLING DATA

Time/date Purged: 10:58 9-14-23
Purged Method: Bail

| Time | Purge Vol (gal) | Cumul Purge Vol (gal) | Temp (°C) | SpC (µs/cm) | pH | ORP (mV) | DO (mg/L) |
|---|---|---|---|---|---|---|---|
| 11:13 | 2 | 2 | 21.7 | 3239 | 7.39 | 123 | 2.45 |
| 11:26 | 2 | 4 | 21.8 | 3164 | 7.17 | | |
| 11:39 | 2 | 6 | 22.0 | 3118 | 7.26 | | |
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Actual Purge Volume: 8 gals
Field Measurements stabilized within ± 10%: Y
Time/Date Sampled: 11:53 9-14-23
Purged/Sampled By: A:N
Sample Method: Bail
Requested Analyses: _____
Comments/Observations: _____

Well Casing Volumes
2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 ga/ft

# Chain-of-Custody Record

Client: EA Engineering, Science, and Technology

Mailing Address: 320 Gold Ave SW Suite

Phone #: 505-715-4279

email or Fax#: rmullen@eaest.com

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

☐ NELAC ☐ Other_____

☐ EDD (Type) _____

Turn-Around Time:

☑ Standard ☐ **Rush**_____

Project Name: Del Oro Dairy

Project #:

Project Manager: Gina Mullen

Sampler: Angel N. Rivera

On Ice: ☐ Yes ☐ No

# of Coolers:

Cooler Temp(including CF):


**HALL ENVIRONMENTAL ANALYSIS LABORATORY**

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107


**Analysis Request**

| Date | Time | Matrix | Sample Name | Container Type and # | Preservative Type | HEAL No. | Nitrate/Nitrites EPA Method 300 | TKN SM 4500 NORG C | Chloride EPA 300 | TDS SM 2540 C MOD | Sulfate EPA 300 | | Phosphorus EPA 6010B | Total Sulfur | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8-25 | 11:45 | Gw | EW-05 | 2 | | | X | X | X | X | X | | | | | | | | | | |
| 8-25 | 13:20 | Gw | 692-02 | 2 | | | X | X | X | X | X | | | | | | | | | | |
| 8-25 | 14:48 | Gw | EW-04 | 2 | | | X | X | X | X | X | | | | | | | | | | |
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| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |
|---|---|---|---|---|---|---|
| 8-25 | 17:00 | | | | | |
| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |
| | | | | | | |

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

# Chain-of-Custody Record

Client: EA Engineering, Science, and Technology

Mailing Address: 320 Gold Ave SW Suite

Phone #: 505-715-4279

email or Fax#: rmullen@eaest.com

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other_____
☐ EDD (Type) _____

Turn-Around Time:
☑ Standard ☐ **Rush**_____

Project Name: Del Oro Dairy

Project #:

Project Manager: Gina Mullen

Sampler: Angel N. Rivera

On Ice: ☐ Yes ☐ No

# of Coolers:

Cooler Temp(including CF):


**HALL ENVIRONMENTAL ANALYSIS LABORATORY**

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107


**Analysis Request**

| Date | Time | Matrix | Sample Name | Container Type and # | Preservative Type | HEAL No. | Nitrate/Nitrites EPA Method 300 | TKN SM 4500 NORG C | Chloride EPA 300 | TDS SM 2540 C MOD | Sulfate EPA 300 | | Phosphorus EPA 6010B | Total Sulfur | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8-28 | 11:36 | Gw | 692-09 | 2 | | | X | X | X | X | X | | | | | | | | | | |
| 8-28 | 13:28 | Gw | 692-05 | 2 | | | X | X | X | X | X | | | | | | | | | | |
| 8-28 | 15:50 | Gw | 692 06 | 2 | | | X | X | X | X | X | | | | | | | | | | |
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| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |
|---|---|---|---|---|---|---|
| 8-28 | 17:45 | | | | | |
| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |
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Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

# Chain-of-Custody Record

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Turn-Around Time:

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Project Name:

Del Oro Dairy

Project #:

Project Manager:

Gina Mullen

Sampler: Angel N. Rivera

On Ice: ☐ Yes ☐ No

# of Coolers:

Cooler Temp(including CF):


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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8-29 | 11:08 | Gw | 692-07 | 2 | | | X | X | X | X | X | | | | | | | | | | |
| 8-29 | 12:05 | Gw | 692-10 | 2 | | | X | X | X | X | X | | | | | | | | | | |
| 8-29 | 14:50 | Gw | 692-08 | 2 | | | X | X | X | X | X | | | | | | | | | | |
| 8-29 | 15:53 | Gw | EW-01 | 2 | | | X | X | X | X | X | | | | | | | | | | |
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| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |
|---|---|---|---|---|---|---|
| 8-29 | 17:35 | | | | | |
| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |
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☐ EDD (Type) _____

Turn-Around Time:

☑ Standard ☐ Rush_____

Project Name:

Del Oro Dairy

Project #:

Project Manager:

Gina Mullen

Sampler: Angel N. Rivera

On Ice: ☐ Yes ☐ No

# of Coolers:

Cooler Temp(including CF):


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**Analysis Request**

| Date | Time | Matrix | Sample Name | Container Type and # | Preservative Type | HEAL No. | Nitrate/Nitrites EPA Method 300.0 | TKN SM 4500 NORG C | Chloride EPA 300 | TDS SM 2540 C MOD | Sulfate EPA 300 | | Phosphorus EPA 6010B | Total Sulfur | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8-30 | 10:15 | Gw | EW-02 | 2 | | | X | X | X | X | X | | | | | | | | | | |
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| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |
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| 8-30 | 17:20 | | | | | |
| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |
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Remarks:

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# MONITOR WELL DEVELOPMENT FIELD FORM

## FLUID LEVEL DATA

Well ID: 692-02 | Date Gauged: 8-25-23

Site: Del Oro | Time Gauged: 12:20

Depth to PSH: _____ feet | Well Diameter: 4 inches

Depth to Water: 59.73 feet | Height of Fluid Column: 6.42 feet

Total Depth: 66.15 feet | Volume in Well: 4.237 gallons

(3 Well Volumes = 12.71 gallons)

## GROUNDWATER SAMPLING DATA

Time/date Purged: 12:25 8-25-23 | Purged Method: Pump

| Time | Purge Vol (gal) | Cumul Purge Vol (gal) | Temp (°C) | SpC (µs/cm) | pH | ORP (mV) | DO (mg/L) |
|---|---|---|---|---|---|---|---|
| 12:37 | 5 | 5 | 24.0 | 2911 | 7.44 | 129 | 2.17 |
| 12:50 | 5 | 10 | 24.1 | 2923 | 7.32 | | |
| 13:05 | 3 | 13 | 24.3 | 2903 | 7.25 | | |
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Actual Purge Volume: 18 gals | Field Measurements stabilized within ± 10%: Y

Time/Date Sampled: 13:20 8-25-23 | Purged/Sampled By: A.N

Sample Method: Pump

Requested Analyses: _____

Comments/Observations: _____

Well Casing Volumes

2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 ga/ft

# MONITOR WELL DEVELOPMENT FIELD FORM

## FLUID LEVEL DATA

Well ID: 692-04
Site: Del Oro
Date Gauged: 8-25-23
Time Gauged: 11:55

Depth to PSH: ____ feet
Depth to Water: Dry feet
Total Depth: 60.60 feet
Well Diameter: 4 inches
Height of Fluid Column: — feet
Volume in Well: — gallons

(3 Well Volumes = — gallons)

## GROUNDWATER SAMPLING DATA

Time/date Purged: — Purged Method: —

| Time | Purge Vol (gal) | Cumul Purge Vol (gal) | Temp (°C) | SpC (µs/cm) | pH | ORP (mV) | DO (mg/L) |
|---|---|---|---|---|---|---|---|
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Actual Purge Volume: — gals
Field Measurements stabilized within ± 10%: —
Time/Date Sampled: —
Purged/Sampled By: —
Sample Method: —
Requested Analyses: Dry Well
Comments/Observations:

Well Casing Volumes
2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 ga/ft

# MONITOR WELL DEVELOPMENT FIELD FORM

## FLUID LEVEL DATA

Well ID: 692-05
Site: Del Oro
Date Gauged: 8-28-23
Time Gauged: 11:50

Depth to PSH: _____ feet
Depth to Water: 81.92 feet
Total Depth: 87.50 feet
Well Diameter: 4 inches
Height of Fluid Column: 5.58 feet
Volume in Well: 3.682 gallons
(3 Well Volumes = 11.04 gallons)

## GROUNDWATER SAMPLING DATA

Time/date Purged 11:55 8-28-23 Purged Method Pump

| Time | Purge Vol (gal) | Cumul Purge Vol (gal) | Temp (°C) | SpC (µs/cm) | pH | ORP (mV) | DO (mg/L) |
|---|---|---|---|---|---|---|---|
| 12:17 | 5 | 5 | 23.6 | 2429 | 6.89 | 159 | 1.79 |
| 12:39 | 5 | 10 | 24.7 | 2478 | 7.05 | | |
| 13:03 | 2 | 12 | 25.2 | 2501 | 7.17 | | |
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Actual Purge Volume 17 gals
Field Measurements stabilized within ± 10% Y
Time/Date Sampled 13:28 8-28-23
Purged/Sampled By A.N
Sample Method Pump
Requested Analyses
Comments/Observations Very slow water flow. Low water recovery. Last 2 gals were bailed

Well Casing Volumes
2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 ga/ft

# MONITOR WELL DEVELOPMENT FIELD FORM

## FLUID LEVEL DATA

Well ID: GW2-06
Site: Del Oro
Date Gauged: 8-28-23
Time Gauged: 14:15

Depth to PSH: _____ feet
Depth to Water: 84.70 feet
Total Depth: 90.25 feet
Well Diameter: 4 inches
Height of Fluid Column: 5.55 feet
Volume in Well: 3.663 gallons
(3 Well Volumes = 10.98 gallons)

## GROUNDWATER SAMPLING DATA

Time/date Purged: 14:22 8-28-23 Purged Method: Pump

| Time | Purge Vol (gal) | Cumul Purge Vol (gal) | Temp (°C) | SpC (µs/cm) | pH | ORP (mV) | DO (mg/L) |
|---|---|---|---|---|---|---|---|
| 14:44 | 4 | 4 | 25.7 | 2376 | 6.95 | 178 | 1.73 |
| 15:06 | 4 | 8 | 25.8 | 2303 | 7.09 | | |
| 15:24 | 3 | 11 | 25.5 | 2334 | 7.20 | | |
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Actual Purge Volume: 15 gals
Field Measurements stabilized within ± 10%: Y
Time/Date Sampled: 15:50 8-28-23
Purged/Sampled By: A.N
Sample Method: Pump
Requested Analyses: _____
Comments/Observations: _____

Well Casing Volumes
2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 ga/ft

# MONITOR WELL DEVELOPMENT FIELD FORM

## FLUID LEVEL DATA

Well ID: 692-07
Site: Del Amo
Date Gauged: 8-29-23
Time Gauged: 9:55

Depth to PSH: _____ feet
Depth to Water: 76.38 feet
Total Depth: 77.69 feet
Well Diameter: 4 inches
Height of Fluid Column: 1.31 feet
Volume in Well: 0.864 gallons
(3 Well Volumes = 2.59 gallons)

## GROUNDWATER SAMPLING DATA

Time/date Purged: 10:00 8-29-23 Purged Method: Bail

| Time | Purge Vol (gal) | Cumul Purge Vol (gal) | Temp (°C) | SpC (µs/cm) | pH | ORP (mV) | DO (mg/L) |
|---|---|---|---|---|---|---|---|
| 10:15 | 1 | 1 | 22.7 | 2512 | 7.31 | 150 | 1.87 |
| 10:28 | 1 | 2 | 22.4 | 2502 | 7.28 | | |
| 10:43 | 1 | 3 | 22.5 | 2493 | 7.22 | | |
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Actual Purge Volume: 6 gals
Field Measurements stabilized within ± 10%: Y
Time/Date Sampled: 11:08 8-29-23
Purged/Sampled By: A.N
Sample Method: Bail
Requested Analyses: _____
Comments/Observations: _____

Well Casing Volumes
2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 ga/ft

# MONITOR WELL DEVELOPMENT FIELD FORM

## FLUID LEVEL DATA

Well ID 692-08 Date Gauged 8-29-23

Site Del Oro Time Gauged 12:20

Depth to PSH _____ feet Well Diameter 4 inches

Depth to Water 70.69 feet Height of Fluid Column 6.46 feet

Total Depth 77.15 feet Volume in Well 4.263 gallons

(3 Well Volumes = 12.79 gallons)

## GROUNDWATER SAMPLING DATA

Time/date Purged 12:28 8-29-23 Purged Method Pump

| Time | Purge Vol (gal) | Cumul Purge Vol (gal) | Temp (°C) | SpC (µs/cm) | pH | ORP (mV) | DO (mg/L) |
|---|---|---|---|---|---|---|---|
| 13:00 | 5 | 5 | 24.5 | 2148 | 6.90 | 177 | 1.57 |
| 13:54 | 5 | 10 | 30.3 | 2170 | 7.14 | | |
| 14:20 | 3 | 13 | 28.5 | 2212 | 7.23 | | |
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Actual Purge Volume 18 gals Field Measurements stabilized within ± 10% Y

Time/Date Sampled 14:50 8-29-23 Purged/Sampled By A.N

Sample Method Pump

Requested Analyses _____

Comments/Observations Started pump and no water was coming out til about 30-35 mins. very slow water flow.

Well Casing Volumes

2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 ga/ft

# MONITOR WELL DEVELOPMENT FIELD FORM

## FLUID LEVEL DATA

Well ID: 69209
Site: Del Oro
Date Gauged: 8-28-23
Time Gauged: 10:15

Depth to PSH: _____ feet
Depth to Water: 85.78 feet
Total Depth: 91.10 feet
Well Diameter: 4 inches
Height of Fluid Column: 5.32 feet
Volume in Well: 3.511 gallons
(3 Well Volumes = 10.53 gallons)

## GROUNDWATER SAMPLING DATA

Time/date Purged: 10:26 8-28-23 Purged Method: Pump

| Time | Purge Vol (gal) | Cumul Purge Vol (gal) | Temp (°C) | SpC (µs/cm) | pH | ORP (mV) | DO (mg/L) |
|---|---|---|---|---|---|---|---|
| 10:41 | 5 | 5 | 25.7 | 2211 | 7.26 | 93 | 1.62 |
| 11:00 | 5 | 10 | 26.8 | 2247 | 7.20 | | |
| 11:10 | 2 | 12 | 24.8 | 2258 | 7.24 | | |
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Actual Purge Volume: 17 gals
Field Measurements stabilized within ± 10%: Y
Time/Date Sampled: 11:36 8-28-23 Purged/Sampled By: A.N
Sample Method: Pump
Requested Analyses: _____
Comments/Observations: water flow would stop and go.

Well Casing Volumes
2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 ga/ft

# MONITOR WELL DEVELOPMENT FIELD FORM

## FLUID LEVEL DATA

Well ID 692-10 Date Gauged 8-29-23

Site Del Oro Time Gauged 11:20

Depth to PSH _____ feet Well Diameter 2 inches

Depth to Water 75.68 feet Height of Fluid Column 2.22 feet

Total Depth 7790 feet Volume in Well 0.377 gallons

(3 Well Volumes = 1.13 gallons)

## GROUNDWATER SAMPLING DATA

Time/date Purged 11:26 8-29-23 Purged Method Bail

| Time | Purge Vol (gal) | Cumul Purge Vol (gal) | Temp (°C) | SpC (µs/cm) | pH | ORP (mV) | DO (mg/L) |
|---|---|---|---|---|---|---|---|
| 11:35 | .50 | .50 | 25.2 | 2740 | 6.86 | 152 | 2.06 |
| 11:40 | .50 | 1 | 24.7 | 2766 | 7.00 | | |
| 11:45 | .50 | 1.50 | 24.5 | 2773 | 7.17 | | |
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Actual Purge Volume 3.50 gals Field Measurements stabilized within ± 10% Y

Time/Date Sampled 12:05 8-29-23 Purged/Sampled By A.N

Sample Method Bail

Requested Analyses _____

Comments/Observations _____

Well Casing Volumes

2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 ga/ft

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☐ NELAC ☐ Other_____

☐ EDD (Type) _____

Turn-Around Time:

☑ Standard ☐ Rush_____

Project Name: Dominguez Dairy 1

Project #:

Project Manager: Gina Mullen

Sampler: Angel N. Rivera

On Ice: ☐ Yes ☐ No

# of Coolers:

Cooler Temp(including CF):


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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8-17 | 12:20 | Gw | 624-01 | 2 | | | X | X | X | X | | | | | | | | | | | |
| 8-17 | 13:56 | Gw | 624-02 | 2 | | | X | X | X | X | | | | | | | | | | | |
| 8-17 | 15:37 | Gw | 624-11 | 2 | | | X | X | X | X | | | | | | | | | | | |
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Analysis Request

| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |
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| 8/17 | 17:25 | | | | | |
| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |
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☐ NELAC ☐ Other_____

☐ EDD (Type) _____

Turn-Around Time:

☑ Standard ☐ Rush_____

Project Name: Dominguez Dairy

Project #:

Project Manager: Gina Mullen

Sampler: Angel N. Rivera

On Ice: ☐ Yes ☐ No

# of Coolers:

Cooler Temp(including CF):


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| Date | Time | Matrix | Sample Name | Container Type and # | Preservative Type | HEAL No. | Nitrate/Nitrites EPA Method 300 | TKN SM 4500 NORG C | Chloride EPA 300 | TDS SM 2540 C MOD | Sulfate EPA 300 | Phosphorus EPA 6010B | Total Sulfur |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8-16 | 14:47 | Gw | 624-10 | 2 | | | X | X | X | X | | | |
| 8-16 | 16:46 | Gw | 624-09 | 2 | | | X | X | X | X | | | |

Analysis Request

| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |
|---|---|---|---|---|---|---|
| 8-16 | 18:45 | | | | | |
| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |
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# MONITOR WELL DEVELOPMENT FIELD FORM

## FLUID LEVEL DATA

Well ID: 624-01
Site: Dominguez 1
Date Gauged: 8-17-23
Time Gauged: 11:15

Depth to PSH: _____ feet
Depth to Water: 29.50 feet
Total Depth: 46.80 feet
Well Diameter: 4 inches
Height of Fluid Column: 17.30 feet
Volume in Well: 11.418 gallons
(3 Well Volumes = 34.25 gallons)

## GROUNDWATER SAMPLING DATA

Time/date Purged: 11:20 8-17-23
Purged Method: Pump

| Time | Purge Vol (gal) | Cumul Purge Vol (gal) | Temp (°C) | SpC (µs/cm) | pH | ORP (mV) | DO (mg/L) |
|---|---|---|---|---|---|---|---|
| 11:34 | 10 | 10 | 22.5 | 4230 | 7.06 | 141 | 2.70 |
| 11:45 | 10 | 20 | 21.7 | 4295 | 7.12 | | |
| 12:08 | 15 | 35 | 22.0 | 4308 | 7.20 | | |
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Actual Purge Volume: 40 gals
Field Measurements stabilized within ± 10%: Y
Time/Date Sampled: 12:20 8-17-23
Purged/Sampled By: A.N
Sample Method: Pump
Requested Analyses: _____
Comments/Observations: _____

Well Casing Volumes
2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 ga/ft

# MONITOR WELL DEVELOPMENT FIELD FORM

## FLUID LEVEL DATA

Well ID: 624-07
Site: Dominguez 1
Date Gauged: 8-17-23
Time Gauged: 12:39

Depth to PSH: _____ feet
Depth to Water: 21.18 feet
Total Depth: 37.43 feet
Well Diameter: 4 inches
Height of Fluid Column: 16.25 feet
Volume in Well: 10.725 gallons

(3 Well Volumes = 32.17 gallons)

## GROUNDWATER SAMPLING DATA

Time/date Purged: 12:44 8-17-23
Purged Method: Pump

| Time | Purge Vol (gal) | Cumul Purge Vol (gal) | Temp (°C) | SpC (µs/cm) | pH | ORP (mV) | DO (mg/L) |
|---|---|---|---|---|---|---|---|
| 12:57 | 10 | 10 | 22.8 | 4496 | 6.94 | 167 | 2.19 |
| 13:20 | 10 | 20 | 22.9 | 4610 | 7.10 | | |
| 13:41 | 13 | 33 | 23.5 | 4680 | 7.23 | | |
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Actual Purge Volume: 38 gals
Field Measurements stabilized within ± 10%: Y
Time/Date Sampled: 13:56 8-17-23
Purged/Sampled By: A.N
Sample Method: Pump
Requested Analyses: _____
Comments/Observations: _____

Well Casing Volumes
2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 ga/ft

# MONITOR WELL DEVELOPMENT FIELD FORM

## FLUID LEVEL DATA

Well ID 624-09 Date Gauged 8-16-23

Site Dominguez 1 Time Gauged 15:20

Depth to PSH _____ feet Well Diameter 2 inches

Depth to Water 25.29 feet Height of Fluid Column 7.51 feet

Total Depth 32.80 feet Volume in Well 1.276 gallons

(3 Well Volumes = 3.83 gallons)

## GROUNDWATER SAMPLING DATA

Time/date Purged 15:27 8-16-23 Purged Method Bail

| Time | Purge Vol (gal) | Cumul Purge Vol (gal) | Temp (°C) | SpC (µs/cm) | pH | ORP (mV) | DO (mg/L) |
|---|---|---|---|---|---|---|---|
| 15:38 | 1 | 1 | 23.8 | 2462 | 8.15 | 103 | 1.75 |
| 15:49 | 1 | 2 | 23.0 | 2192 | 7.71 | | |
| 16:15 | 2 | 4 | 22.3 | 2221 | 7.41 | | |
| 16:18 | .25 | 4.25 | 22.9 | 2226 | 7.38 | | |
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Actual Purge Volume 7 gals Field Measurements stabilized within ± 10% Y

Time/Date Sampled 16:46 8-16-23 Purged/Sampled By A.N

Sample Method Bail

Requested Analyses _____

Comments/Observations _____

Well Casing Volumes

2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 ga/ft

# MONITOR WELL DEVELOPMENT FIELD FORM

## FLUID LEVEL DATA

Well ID: 624-10
Site: Dominguez 1
Date Gauged: 8-16-23
Time Gauged: 13:40

Depth to PSH: _____ feet
Depth to Water: 26.41 feet
Total Depth: 37.32 feet
Well Diameter: 2 inches
Height of Fluid Column: 10.91 feet
Volume in Well: 1.854 gallons

(3 Well Volumes = 5.56 gallons)

## GROUNDWATER SAMPLING DATA

Time/date Purged 13:45 8-16-23 Purged Method Pump

| Time | Purge Vol (gal) | Cumul Purge Vol (gal) | Temp (°C) | SpC (µs/cm) | pH | ORP (mV) | DO (mg/L) |
|---|---|---|---|---|---|---|---|
| 13:56 | 2 | 2 | 20.3 | 4386 | 7.65 | 236 | 2.11 |
| 14:07 | 2 | 4 | 19.8 | 4348 | 7.33 | | |
| 14:19 | 2 | 6 | 19.7 | 4310 | 7.28 | | |
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Actual Purge Volume 9 gals
Field Measurements stabilized within ± 10% Y
Time/Date Sampled 14:47 8-16-23
Purged/Sampled By A.A
Sample Method Pump
Requested Analyses
Comments/Observations

Well Casing Volumes
2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 ga/ft

# MONITOR WELL DEVELOPMENT FIELD FORM

## FLUID LEVEL DATA

Well ID 624-11 Date Gauged 8-17-23

Site Dominguez 1 Time Gauged 14:15

Depth to PSH _____ feet Well Diameter 2 inches

Depth to Water 55.62 feet Height of Fluid Column 13.27 feet

Total Depth 68.89 feet Volume in Well 2.255 gallons

(3 Well Volumes = 6.76 gallons)

## GROUNDWATER SAMPLING DATA

Time/date Purged 14:20 8-17-23 Purged Method Pump

| Time | Purge Vol (gal) | Cumul Purge Vol (gal) | Temp (°C) | SpC (µs/cm) | pH | ORP (mV) | DO (mg/L) |
|---|---|---|---|---|---|---|---|
| 14:26 | 2 | 2 | 23.9 | 6545 | 7.32 | 138 | 1.71 |
| 14:35 | 2 | 4 | 22.6 | 6525 | 7.30 | | |
| 14:52 | 3 | 7 | 23.3 | 6504 | 7.26 | | |
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Actual Purge Volume 12 gals Field Measurements stabilized within ± 10% Y

Time/Date Sampled 15:37 8-17-23 Purged/Sampled By A.N

Sample Method Pump

Requested Analyses _____

Comments/Observations _____

Well Casing Volumes

2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 ga/ft

# Chain-of-Custody Record

Client: EA Engineering, Science, and Technology

Mailing Address: 320 Gold Ave SW Suite

Phone #: 505-715-4279

email or Fax#: rmullen@eaest.com

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other_____

☐ EDD (Type) _____

Turn-Around Time:
☑ Standard ☐ Rush_____

Project Name: Dominguez Dairy 2

Project #:

Project Manager: Gina Mullen

Sampler: Angel N. Rivera

On Ice: ☐ Yes ☐ No

# of Coolers:

Cooler Temp(including CF):


**HALL ENVIRONMENTAL ANALYSIS LABORATORY**

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107


**Analysis Request**

| Date | Time | Matrix | Sample Name | Container Type and # | Preservative Type | HEAL No. | Nitrate/Nitrites EPA Method 300 | TKN SM 4500 NORG C | Chloride EPA 300 | TDS SM 2540 C MOD | Sulfate EPA 300 | Phosphorus EPA 6010B | Total Sulfur |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8-11 | 11:23 | Gw | 42-03 | 2 | | | X | X | X | X | | | |
| 8-11 | 13:36 | Gw | 42-13 | 2 | | | X | X | X | X | | | |
| 8-11 | 15:19 | Gw | 42-06 | 2 | | | X | X | X | X | | | |

| Date | Time | Relinquished by: | Received by: | Via: | Date | Time |
|---|---|---|---|---|---|---|
| 8-11 | 17:15 | | | | | |
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Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

# Chain-of-Custody Record

Client:

EA Engineering, Science, and Technology

Mailing Address:

320 Gold Ave SW Suite

Phone #: 505-715-4279

email or Fax#: rmullen@eaest.com

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

☐ NELAC ☐ Other_____

☐ EDD (Type) _____

Turn-Around Time:

☑ Standard ☐ Rush_____

Project Name:

Dominguez Dairy 2

Project #:

Project Manager:

Gina Mullen

Sampler: Angel N. Rivera

On Ice: ☐ Yes ☐ No

# of Coolers:

Cooler Temp(including CF):


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www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107


**Analysis Request**

| Date | Time | Matrix | Sample Name | Container Type and # | Preservative Type | HEAL No. | Nitrate/Nitrites EPA Method 300 | TKN SM 4500 NORG C | Chloride EPA 300 | TDS SM 2540 C MOD | Sulfate EPA 300 | Phosphorus EPA 6010B | Total Sulfur |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8-14 | 11:35 | Gw | 42-08 | 2 | | | X | X | X | X | | | |
| 8-14 | 13:40 | Gw | 42-02 | 2 | | | X | X | X | X | | | |
| 8-14 | 15:50 | Gw | 42-11 | 2 | | | X | X | X | X | | | |

| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |
|---|---|---|---|---|---|---|
| 8-14 | 18:05 | | | | | |
| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |
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Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

# Chain-of-Custody Record

Client: EA Engineering, Science, and Technology

Mailing Address: 320 Gold Ave SW Suite

Phone #: 505-715-4279

email or Fax#: rmullen@eaest.com

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other_____
☐ EDD (Type) _____

Turn-Around Time:
☑ Standard ☐ Rush_____

Project Name: Dominguez Dairy 2

Project #:

Project Manager: Gina Mullen

Sampler: Angel N. Rivera

On Ice: ☐ Yes ☐ No

# of Coolers:

Cooler Temp(including CF):


**HALL ENVIRONMENTAL ANALYSIS LABORATORY**

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107


**Analysis Request**

| Date | Time | Matrix | Sample Name | Container Type and # | Preservative Type | HEAL No. | Nitrate/Nitrites EPA Method 300 | TKN SM 4500 NORG C | Chloride EPA 300 | TDS SM 2540 C MOD | Sulfate EPA 300 | Phosphorus EPA 6010B | Total Sulfur |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8-16 | 11:24 | Gw | 42-12 | 2 | | | X | X | X | X | | | |
| 8-16 | 12:50 | Gw | 42-10 | 2 | | | X | X | X | X | | | |

| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |
|---|---|---|---|---|---|---|
| 8-16 | 18:45 | | | | | |
| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |
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Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

# MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 4202 | Date Gauged 8-14-23

Site Dominguez 2 | Time Gauged 11:50

Depth to PSH _____ feet | Well Diameter 4 inches

Depth to Water 30.75 feet | Height of Fluid Column 34.55 feet

Total Depth 65.30 feet | Volume in Well 22.803 gallons

(3 Well Volumes = 68.40 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 11:56 8-14-23 Purged Method Pump

| Time | Purge Vol (gal) | Cumul Purge Vol (gal) | Temp (°C) | SpC (µs/cm) | pH | ORP (mV) | DO (mg/L) |
|---|---|---|---|---|---|---|---|
| 12:27 | 25 | 25 | 21.3 | 3766 | 7.32 | 241 | 2.86 |
| 12:57 | 25 | 50 | 20.6 | 3858 | 7.28 | | |
| 13:26 | 19 | 69 | 20.3 | 3801 | 7.23 | | |
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Actual Purge Volume 75 gals | Field Measurements stabilized within ± 10% Y

Time/Date Sampled 13:40 8-14-23 | Purged/Sampled By A.N

Sample Method Pump

Requested Analyses _____

Comments/Observations _____

Well Casing Volumes

2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 ga/ft

# MONITOR WELL DEVELOPMENT FIELD FORM

## FLUID LEVEL DATA

Well ID: 4203
Site: Dominguez 2
Date Gauged: 8-11-23
Time Gauged: 10:08

Depth to PSH: _____ feet
Depth to Water: 88.08 feet
Total Depth: 97.20 feet
Well Diameter: 4 inches
Height of Fluid Column: 9.12 feet
Volume in Well: 6.019 gallons

(3 Well Volumes = 18.05 gallons)

## GROUNDWATER SAMPLING DATA

Time/date Purged: 10:15 8-11-23 Purged Method: Pump

| Time | Purge Vol (gal) | Cumul Purge Vol (gal) | Temp (°C) | SpC (µs/cm) | pH | ORP (mV) | DO (mg/L) |
|---|---|---|---|---|---|---|---|
| 10:31 | 6 | 6 | 26.0 | 5071 | 7.63 | 87 | 2.72 |
| 10:43 | 6 | 12 | 25.7 | 5050 | 7.29 | | |
| 10:58 | 6.25 | 18.25 | 26.1 | 5031 | 7.19 | | |
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Actual Purge Volume: 25 gals
Field Measurements stabilized within ± 10%: Y
Time/Date Sampled: 11:23 8-11-23
Purged/Sampled By: A.N
Sample Method: Pump
Requested Analyses: _____
Comments/Observations: _____

Well Casing Volumes
2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 ga/ft

# MONITOR WELL DEVELOPMENT FIELD FORM

## FLUID LEVEL DATA

Well ID: 42-06
Site: Dominguez 2
Date Gauged: 8-11-23
Time Gauged: 13:54

Depth to PSH: _____ feet
Depth to Water: 36.71 feet
Total Depth: 41.55 feet
Well Diameter: 4 inches
Height of Fluid Column: 4.84 feet
Volume in Well: 3.194 gallons
(3 Well Volumes = 9.58 gallons)

## GROUNDWATER SAMPLING DATA

Time/date Purged: 14:08 8-11-23
Purged Method: Pump

| Time | Purge Vol (gal) | Cumul Purge Vol (gal) | Temp (°C) | SpC (µs/cm) | pH | ORP (mV) | DO (mg/L) |
|---|---|---|---|---|---|---|---|
| 14:16 | 3 | 3 | 21.8 | 3364 | 7.16 | 118 | 2.53 |
| 14:28 | 3 | 6 | 21.4 | 3313 | 7.19 | | |
| 14:47 | 4 | 10 | 21.1 | 3301 | 7.24 | | |
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Actual Purge Volume: 15 gals
Field Measurements stabilized within ± 10%: Y
Time/Date Sampled: 15:19 8-11-23
Purged/Sampled By: A.N
Sample Method: Pump
Requested Analyses: _____
Comments/Observations: _____

Well Casing Volumes
2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 ga/ft

# MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 42-08 | Date Gauged 8-14-23

Site Dominguez 2 | Time Gauged 9:50

Depth to PSH _____ feet | Well Diameter 4 inches

Depth to Water 32.86 feet | Height of Fluid Column 2.22 feet

Total Depth 35.08 feet | Volume in Well 1.465 gallons

(3 Well Volumes = 4.39 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 9:56 8-14-23 Purged Method Pump

| Time | Purge Vol (gal) | Cumul Purge Vol (gal) | Temp (°C) | SpC (µs/cm) | pH | ORP (mV) | DO (mg/L) |
|---|---|---|---|---|---|---|---|
| 10:20 | 1.50 | 1.50 | 26.2 | 2873 | 7.25 | 123 | 2.16 |
| 10:40 | 1.50 | 3 | 23.0 | 2966 | 7.18 | | |
| 11:00 | 1.50 | 4.50 | 23.6 | 3002 | 7.20 | | |
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Actual Purge Volume 6.50 gals | Field Measurements stabilized within ± 10% Y

Time/Date Sampled 11:35 8-14-23 | Purged/Sampled By A-N

Sample Method Pump

Requested Analyses _____

Comments/Observations Very slow water flow. Slow water recovery. Gauged well shows 34.84 on DTW.

Well Casing Volumes

2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 ga/ft

# MONITOR WELL DEVELOPMENT FIELD FORM

## FLUID LEVEL DATA

Well ID 42-10 Date Gauged 8-16-23

Site Dominguez 2 Time Gauged 11:40

Depth to PSH _____ feet Well Diameter 4 inches

Depth to Water 119.26 feet Height of Fluid Column 4.35 feet

Total Depth 123.61 feet Volume in Well 2.871 gallons

(3 Well Volumes = 8.61 gallons)

## GROUNDWATER SAMPLING DATA

Time/date Purged 11:45 8-16-23 Purged Method Pump

| Time | Purge Vol (gal) | Cumul Purge Vol (gal) | Temp (°C) | SpC (µs/cm) | pH | ORP (mV) | DO (mg/L) |
|---|---|---|---|---|---|---|---|
| 12:01 | 3 | 3 | 30.5 | 2507 | 7.46 | 132 | 1.84 |
| 12:16 | 3 | 6 | 30.4 | 2472 | 7.35 | | |
| 12:31 | 3 | 9 | 30.2 | 2511 | 7.29 | | |
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Actual Purge Volume 9.5 gals Field Measurements stabilized within ± 10% Y

Time/Date Sampled 12:50 8-16-23 Purged/Sampled By A.N

Sample Method Pump

Requested Analyses _____

Comments/Observations Very slow water flow. slow recovery. gauge well at end head DTW = 122.10

Well Casing Volumes

2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 ga/ft

# MONITOR WELL DEVELOPMENT FIELD FORM

## FLUID LEVEL DATA

Well ID 42-11 Date Gauged 8-14-23

Site Dominguez 2 Time Gauged 14:25

Depth to PSH _____ feet Well Diameter 4 inches

Depth to Water 130.06 feet Height of Fluid Column 3.44 feet

Total Depth 133.50 feet Volume in Well 2.270 gallons

(3 Well Volumes = 6.81 gallons)

## GROUNDWATER SAMPLING DATA

Time/date Purged 14:30 8-14-23 Purged Method Pump

| Time | Purge Vol (gal) | Cumul Purge Vol (gal) | Temp (°C) | SpC (µs/cm) | pH | ORP (mV) | DO (mg/L) |
|---|---|---|---|---|---|---|---|
| 14:45 | 2 | 2 | 32.3 | 2132 | 7.48 | 104 | 1.55 |
| 15:05 | 2 | 4 | 30.1 | 2259 | 7.31 | | |
| 15:25 | 3 | 7 | 30.3 | 2274 | 7.27 | | |
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Actual Purge Volume 10 gals Field Measurements stabilized within ± 10% Y

Time/Date Sampled 15:50 8-14-23 Purged/Sampled By A.N

Sample Method Pump

Requested Analyses

Comments/Observations very slow water flow. around 5 gals. very slow water recovery.

Well Casing Volumes

2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 ga/ft

# MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 42-12 Date Gauged 8-16-23

Site Dominguez 2 Time Gauged 9:56

Depth to PSH _____ feet Well Diameter 4 inches

Depth to Water 136.36 feet Height of Fluid Column 3.09 feet

Total Depth 139.45 feet Volume in Well 2.039 gallons

(3 Well Volumes = 6.11 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 10:03 8-16-23 Purged Method Pump

| Time | Purge Vol (gal) | Cumul Purge Vol (gal) | Temp (°C) | SpC (µs/cm) | pH | ORP (mV) | DO (mg/L) |
|---|---|---|---|---|---|---|---|
| 10:15 | 2 | 2 | 29.9 | 1843 | 7.76 | 115 | 1.34 |
| 10:30 | 2 | 4 | 30.0 | 1770 | 7.51 | | |
| 10:47 | 2.25 | 6.25 | 30.2 | 1761 | 7.30 | | |
| 10:50 | .25 | 6.50 | 30.2 | 1757 | 7.27 | | |
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Actual Purge Volume 8.50 gals Field Measurements stabilized within ± 10% Y

Time/Date Sampled 11:24 8-16-23 Purged/Sampled By A.N

Sample Method Pump

Requested Analyses _____

Comments/Observations Very slow water flow. Slow recovery. Gauge well at 5 gals almost close to T.D. (138.11 DTW)

Well Casing Volumes

2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 ga/ft

# MONITOR WELL DEVELOPMENT FIELD FORM

## FLUID LEVEL DATA

| | | | |
|---|---|---|---|
| Well ID | 42-13 | Date Gauged | 8-11-23 |
| Site | Dominguez 2 | Time Gauged | 11:47 |

| | | | |
|---|---|---|---|
| Depth to PSH | _____ feet | Well Diameter | 4 inches |
| Depth to Water | 61.05 feet | Height of Fluid Column | 6.55 feet |
| Total Depth | 67.60 feet | Volume in Well | 4.323 gallons |

(3 Well Volumes = 12.96 gallons)

## GROUNDWATER SAMPLING DATA

Time/date Purged 11:53 8-11-23 Purged Method Pump

| Time | Purge Vol (gal) | Cumul Purge Vol (gal) | Temp (°C) | SpC (µs/cm) | pH | ORP (mV) | DO (mg/L) |
|---|---|---|---|---|---|---|---|
| 12:12 | 5 | 5 | 28.0 | 5066 | 7.11 | 110 | 2.91 |
| 12:24 | 5 | 10 | 28.2 | 5081 | 7.17 | | |
| 12:45 | 3 | 13 | 28.1 | 5072 | 7.20 | | |
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Actual Purge Volume 13.5 gals Field Measurements stabilized within ± 10% Y

Time/Date Sampled 13:36 8-11-23 Purged/Sampled By A.N

Sample Method Pump

Requested Analyses _____

Comments/Observations water flow slow. No water pumping out after 13 gals. NO Recovery water. Took around 25 mins to get water for sample. Gauge well shows Dry.

Well Casing Volumes

2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 ga/ft

Glorieta Geoscience
A Division of GZA

# Organ Dairy
# Mesquite, NM

## Field Parameters and Sample Results for Monitoring wells
## 3rd Quarter 2023

| Well ID | Sampling Date | Depth to water (ft) | TDS | Cl (mg/L) | TKN (mg/L) | NO3 (mg/L) | SO4 (mg/L) | EC (µS/cm) | pH | Temp (ºC) | DO (mg/L) | ORP (mv) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MW 126-04 | 8/27/23 | 38.05 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| MW 126-05 | 8/27/23 | 30.80 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| MW 126-07 | 8/27/23 | 39.70 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| MW 126-09 | 8/27/23 | 82.40 | NS | NS | NS | NS | NS | NS | NS | NS | NS | NS |
| MW 126-12 | 8/27/23 | 26.45 | 1120 | 450 | <1.0 | 4.3 | 520 | 3430 | 7.10 | 23.9 | NS | NS |
| MW 126-13 | 8/27/23 | 46.35 | 645 | 710 | <2.0 | 14 | 810 | 4740 | 7.04 | 25.3 | NS | NS |

*NS = Not Sampled*

*LRG-458S no longer running, barn being torn down.*

# MONITOR WELL DEVELOPMENT FIELD FORM

## FLUID LEVEL DATA

Well ID: EW-01
Site: Del Oro
Date Gauged: 8-29-23
Time Gauged: 15:00

| | | | |
|---|---|---|---|
| Depth to PSH | ____ feet | Well Diameter | 4 inches |
| Depth to Water | — feet | Height of Fluid Column | — feet |
| Total Depth | — feet | Volume in Well | — gallons |

(3 Well Volumes = ____ gallons)

## GROUNDWATER SAMPLING DATA

Time/date Purged 15:03 8-29-23 Purged Method Pump

| Time | Purge Vol (gal) | Cumul Purge Vol (gal) | Temp (°C) | SpC (µs/cm) | pH | ORP (mV) | DO (mg/L) |
|---|---|---|---|---|---|---|---|
| 15:15 | 5 | 5 | 23.5 | 6035 | 7.11 | 104 | 2.47 |
| 15:27 | 5 | 10 | 23.2 | 6024 | 7.17 | | |
| 15:40 | 5 | 15 | 23.0 | 6041 | 7.26 | | |
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Actual Purge Volume 20 gals
Field Measurements stabilized within ± 10% Y
Time/Date Sampled 15:53 8-29-23
Purged/Sampled By A-N
Sample Method Pump
Requested Analyses
Comments/Observations

Well Casing Volumes
2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 ga/ft

# MONITOR WELL DEVELOPMENT FIELD FORM

## FLUID LEVEL DATA

Well ID: EW-02
Site: Del Oro
Date Gauged: 8-30-23
Time Gauged: 9:07

Depth to PSH: — feet
Depth to Water: — feet
Total Depth: — feet
Well Diameter: 4 inches
Height of Fluid Column: — feet
Volume in Well: — gallons
(3 Well Volumes = — gallons)

## GROUNDWATER SAMPLING DATA

Time/date Purged: 9:18 8-30-23
Purged Method: Pump

| Time | Purge Vol (gal) | Cumul Purge Vol (gal) | Temp (°C) | SpC (µs/cm) | pH | ORP (mV) | DO (mg/L) |
|---|---|---|---|---|---|---|---|
| 9:29 | 5 | 5 | 23.6 | 4905 | 6.94 | 151 | 2.38 |
| 9:41 | 5 | 10 | 23.4 | 4743 | 7.12 | | |
| 9:55 | 5 | 15 | 23.5 | 4081 | 7.20 | | |
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Actual Purge Volume: 20 gals
Field Measurements stabilized within ± 10%: Y
Time/Date Sampled: 10:15 8-30-23
Purged/Sampled By: A.N
Sample Method: Pump
Requested Analyses:
Comments/Observations:

Well Casing Volumes
2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 ga/ft

# MONITOR WELL DEVELOPMENT FIELD FORM

## FLUID LEVEL DATA

Well ID: EW-03
Site: Del Oro
Date Gauged: 8-30-23
Time Gauged: 10:36

Depth to PSH: — feet
Depth to Water: — feet
Total Depth: — feet
Well Diameter: 4 inches
Height of Fluid Column: — feet
Volume in Well: — gallons
(3 Well Volumes = — gallons)

## GROUNDWATER SAMPLING DATA

Time/date Purged: 10:45 8-30-23
Purged Method: Pump

| Time | Purge Vol (gal) | Cumul Purge Vol (gal) | Temp (°C) | SpC (µs/cm) | pH | ORP (mV) | DO (mg/L) |
|---|---|---|---|---|---|---|---|
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Actual Purge Volume: — gals
Field Measurements stabilized within ± 10%: —
Time/Date Sampled: —
Purged/Sampled By: —
Sample Method: —
Requested Analyses:
Comments/Observations: Pump not working. Turn Box on & off still no go. Saw some cables chewed up. Reconnect cables, still not working. Advised Javier from Del Oro Dairy. He said he will work on it and will notify if it gets fixed.

Well Casing Volumes
2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 ga/ft

# MONITOR WELL DEVELOPMENT FIELD FORM

## FLUID LEVEL DATA

Well ID: EW-04
Site: Del Oro
Date Gauged: 8-25-23
Time Gauged: 13:36

Depth to PSH: ____ feet
Depth to Water: — feet
Total Depth: — feet
Well Diameter: 4 inches
Height of Fluid Column: — feet
Volume in Well: — gallons
(3 Well Volumes = ——— gallons)

## GROUNDWATER SAMPLING DATA

Time/date Purged 13:41 8-25-23 Purged Method Pump

| Time | Purge Vol (gal) | Cumul Purge Vol (gal) | Temp (°C) | SpC (µs/cm) | pH | ORP (mV) | DO (mg/L) |
|---|---|---|---|---|---|---|---|
| 13:57 | 5 | 5 | 24.3 | 2619 | 7.54 | 119 | 1.93 |
| 14:11 | 5 | 10 | 24.1 | 2525 | 7.41 | | |
| 14:27 | 5 | 15 | 24.5 | 2508 | 7.30 | | |
| 14:29 | .25 | 15.25 | 24.4 | 2496 | 7.27 | | |
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Actual Purge Volume 20 gals
Field Measurements stabilized within ± 10% Y
Time/Date Sampled 14:48 8-25-23
Purged/Sampled By A.N
Sample Method Pump
Requested Analyses
Comments/Observations

Well Casing Volumes
2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 ga/ft

# MONITOR WELL DEVELOPMENT FIELD FORM

## FLUID LEVEL DATA

Well ID: EW-05
Site: Del Oro
Date Gauged: 8-25-23
Time Gauged: 9:55

Depth to PSH: ____ feet
Depth to Water: — feet
Total Depth: — feet
Well Diameter: 4 inches
Height of Fluid Column: — feet
Volume in Well: — gallons

(3 Well Volumes = — gallons)

## GROUNDWATER SAMPLING DATA

Time/date Purged 10:05 8-25-23 Purged Method Pump

| Time | Purge Vol (gal) | Cumul Purge Vol (gal) | Temp (°C) | SpC (µs/cm) | pH | ORP (mV) | DO (mg/L) |
|---|---|---|---|---|---|---|---|
| 10:21 | 5 | 5 | 26.2 | 2802 | 7.98 | 91 | 2.09 |
| 10:41 | 5 | 10 | 25.1 | 2786 | 7.61 | | |
| 11:02 | 5 | 15 | 23.8 | 2777 | 7.35 | | |
| 11:04 | .25 | 15.25 | 23.5 | 2771 | 7.30 | | |
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Actual Purge Volume 20 gals
Field Measurements stabilized within ± 10% Y
Time/Date Sampled 11:45 8-25-23
Purged/Sampled By A.V
Sample Method Pump
Requested Analyses

Comments/Observations water will stop coming out about every 3-4 gals. Turn on & off valve and water will come back on. then stop.

Well Casing Volumes
2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 ga/ft

# Chain-of-Custody Record

Client:

EA Engineering, Science, and Technology

Mailing Address:

320 Gold Ave SW Suite

Phone #: 505-715-4279

email or Fax#: rmullen@eaest.com

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

☐ NELAC ☐ Other_____

☐ EDD (Type) _____

Turn-Around Time:

☑ Standard ☐ **Rush**_____

Project Name:

Mountain View Dairy

Project #:

Project Manager:

Gina Mullen

Sampler: Angel N. Rivera

On Ice: ☐ Yes ☐ No

# of Coolers:

Cooler Temp(including CF):


**HALL ENVIRONMENTAL ANALYSIS LABORATORY**

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107


**Analysis Request**

| Date | Time | Matrix | Sample Name | Container Type and # | Preservative Type | HEAL No. | Nitrate/Nitrites EPA Method 300 | TKN SM 4500 NORG C | Chloride EPA 300 | TDS SM 2540 C MOD | Sulfate EPA 300 | | Phosphorus EPA 6010B | Total Sulfur | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8-9 | 10:00 | Gw | 70-03 | 2 | | | X | X | X | X | X | | | | | | | | | | |
| 8-9 | 11:50 | Gw | 70-01 | 2 | | | X | X | X | X | X | | | | | | | | | | |
| 8-9 | 14:22 | Gw | 70-02 | 2 | | | X | X | X | X | X | | | | | | | | | | |
| 8-9 | 15:45 | Gw | 70-04 | 2 | | | X | X | X | X | X | | | | | | | | | | |
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| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |
|---|---|---|---|---|---|---|
| 8-9 | 17:50 | | | | | |
| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |
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Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

# MONITOR WELL DEVELOPMENT FIELD FORM

FLUID LEVEL DATA

Well ID 70-04

Site Mountain View

Date Gauged 8-9-23

Time Gauged 14:38

Depth to PSH _____ feet

Depth to Water 38.71 feet

Total Depth 47.84 feet

Well Diameter 2 inches

Height of Fluid Column 9.13 feet

Volume in Well 1.552 gallons

(3 Well Volumes = 4.65 gallons)

GROUNDWATER SAMPLING DATA

Time/date Purged 14:43 8-9-23 Purged Method Bail

| Time | Purge Vol (gal) | Cumul Purge Vol (gal) | Temp (°C) | SpC (µs/cm) | pH | ORP (mV) | DO (mg/L) |
|---|---|---|---|---|---|---|---|
| 14:56 | 1.50 | 1.50 | 24.0 | 4528 | 7.33 | 106 | 2.43 |
| 15:08 | 1.50 | 3 | 23.8 | 4663 | 7.26 | | |
| 15:25 | 2 | 5 | 23.4 | 4701 | 7.24 | | |
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Actual Purge Volume 7.25 gals

Field Measurements stabilized within ± 10% Y

Time/Date Sampled 15:45 8-9-23

Purged/Sampled By A.N

Sample Method Bail

Requested Analyses _____

Comments/Observations _____

Well Casing Volumes

2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 ga/ft

# MONITOR WELL DEVELOPMENT FIELD FORM

## FLUID LEVEL DATA

Well ID: 70-01
Site: Mountain View
Date Gauged: 8-9-23
Time Gauged: 10:26

Depth to PSH: _____ feet
Depth to Water: 40.88 feet
Total Depth: 45.75 feet
Well Diameter: 4 inches
Height of Fluid Column: 4.87 feet
Volume in Well: 3.214 gallons
(3 Well Volumes = 9.64 gallons)

## GROUNDWATER SAMPLING DATA

Time/date Purged: 10:38 8-9-23
Purged Method: Pump

| Time | Purge Vol (gal) | Cumul Purge Vol (gal) | Temp (°C) | SpC (µs/cm) | pH | ORP (mV) | DO (mg/L) |
|---|---|---|---|---|---|---|---|
| 10:49 | 3 | 3 | 23.5 | 4777 | 7.07 | 122 | 1.36 |
| 11:03 | 3 | 6 | 23.3 | 4719 | 7.13 | | |
| 11:19 | 4 | 10 | 24.0 | 4682 | 7.20 | | |
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Actual Purge Volume: 15 gals
Field Measurements stabilized within ± 10%: Y
Time/Date Sampled: 11:50 8-9-23
Purged/Sampled By: A.N
Sample Method: Pump
Requested Analyses:
Comments/Observations:

Well Casing Volumes
2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 ga/ft

# MONITOR WELL DEVELOPMENT FIELD FORM

## FLUID LEVEL DATA

Well ID: 7003
Site: Mountain View
Date Gauged: 8-9-23
Time Gauged: 8:55

Depth to PSH: _____ feet
Depth to Water: 60.03 feet
Total Depth: 61.65 feet
Well Diameter: 4 inches
Height of Fluid Column: 1.62 feet
Volume in Well: 1.069 gallons
(3 Well Volumes = 3.20 gallons)

## GROUNDWATER SAMPLING DATA

Time/date Purged: 9:05 8-9-23 Purged Method: Bail

| Time | Purge Vol (gal) | Cumul Purge Vol (gal) | Temp (°C) | SpC (µs/cm) | pH | ORP (mV) | DO (mg/L) |
|---|---|---|---|---|---|---|---|
| 9:15 | 1 | 1 | 23.4 | 6836 | 6.92 | 145 | 2.05 |
| 9:27 | 1 | 2 | 22.4 | 6921 | 7.07 | | |
| 9:44 | 1.25 | 3.25 | 22.7 | 6984 | 7.18 | | |
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Actual Purge Volume: 4.5 gals
Field Measurements stabilized within ± 10%: Y
Time/Date Sampled: 10:00 8-9-23
Purged/Sampled By: A.N
Sample Method: Bail
Requested Analyses: _____
Comments/Observations: water low flow. Well started to dry out at 3.50 gals

Well Casing Volumes
2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 ga/ft

# MONITOR WELL DEVELOPMENT FIELD FORM

## FLUID LEVEL DATA

| | | | |
|---|---|---|---|
| Well ID | 70-02 | Date Gauged | 8-9-23 |
| Site | Mountain View | Time Gauged | 13:08 |
| Depth to PSH | ____ feet | Well Diameter | 4 inches |
| Depth to Water | 48.47 feet | Height of Fluid Column | 1.38 feet |
| Total Depth | 49.85 feet | Volume in Well | 0.910 gallons |

(3 Well Volumes = 2.73 gallons)

## GROUNDWATER SAMPLING DATA

Time/date Purged 13:12 8-9-23 Purged Method Bail

| Time | Purge Vol (gal) | Cumul Purge Vol (gal) | Temp (°C) | SpC (µs/cm) | pH | ORP (mV) | DO (mg/L) |
|---|---|---|---|---|---|---|---|
| 13:22 | 1 | 1 | 23.8 | 4481 | 7.41 | 101 | 2.15 |
| 13:38 | 1 | 2 | 23.6 | 4513 | 7.34 | | |
| 13:52 | 1 | 3 | 23.1 | 4574 | 7.23 | | |
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Actual Purge Volume 3.25 gals Field Measurements stabilized within ± 10% 4

Time/Date Sampled 14:22 8-9-23 Purged/Sampled By AN

Sample Method Bail

Requested Analyses

Comments/Observations Very slow water flow. Well started to Dry out around 2gal's. Left Bailer inside well to ample Samples.

Well Casing Volumes

2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 ga/ft

# Chain-of-Custody Record

Client: EA Engineering, Science, and Technology

Mailing Address: 320 Gold Ave SW Suite

Phone #: 505-715-4279

email or Fax#: rmullen@eaest.com

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other_____

☐ EDD (Type) _____

Turn-Around Time:
☑ Standard ☐ Rush_____

Project Name: SUNSET DAIRY

Project #:

Project Manager: Gina Mullen

Sampler: Angel N. Rivera

On Ice: ☐ Yes ☐ No

# of Coolers:

Cooler Temp(including CF):


**HALL ENVIRONMENTAL ANALYSIS LABORATORY**

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107


**Analysis Request**

| Date | Time | Matrix | Sample Name | Container Type and # | Preservative Type | HEAL No. | Nitrate/Nitrites EPA Method 300. | TKN SM 4500 NORG C | Chloride EPA 300 | TDS SM 2540 C MOD | Sulfate EPA 300 | | Phosphorus EPA 6010B | Total Sulfur | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8-24 | 11:35 | Gw | 257-03 | 2 | | | X | X | X | X | X | | | | | | | | | | |
| 8-24 | 12:55 | Gw | 257-01 | 2 | | | X | X | X | X | X | | | | | | | | | | |
| 8-24 | 14:50 | Gw | 257-02 | 2 | | | X | X | X | X | X | | | | | | | | | | |
| 8-24 | 16:30 | Gw | MW-4 | 2 | | | X | X | X | X | X | | | | | | | | | | |
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| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |
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| 8-24 | 18:05 | | | | | |
| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

# MONITOR WELL DEVELOPMENT FIELD FORM

## FLUID LEVEL DATA

| | | | |
|---|---|---|---|
| Well ID | 257-01 | Date Gauged | 8-24-23 |
| Site | Sunset Dairy | Time Gauged | 11:50 |

| | | | |
|---|---|---|---|
| Depth to PSH | _____ feet | Well Diameter | 2 inches |
| Depth to Water | 22.47 feet | Height of Fluid Column | 3.38 feet |
| Total Depth | 25.85 feet | Volume in Well | 0.574 gallons |

(3 Well Volumes = 1.72 gallons)

## GROUNDWATER SAMPLING DATA

Time/date Purged 11:57 8-24-23 Purged Method Bail

| Time | Purge Vol (gal) | Cumul Purge Vol (gal) | Temp (°C) | SpC (µs/cm) | pH | ORP (mV) | DO (mg/L) |
|---|---|---|---|---|---|---|---|
| 12:07 | 1 | 1 | 21.0 | 5359 | 7.48 | 115 | 2.74 |
| 12:18 | 1 | 2 | 20.0 | 5488 | 7.59 | | |
| 12:33 | 1 | 3 | 20.8 | 5494 | 7.32 | | |
| 12:35 | .25 | 3.25 | 20.9 | 5504 | 7.30 | | |
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Actual Purge Volume 5 gals Field Measurements stabilized within ± 10% Y

Time/Date Sampled 12:55 8-24-23 Purged/Sampled By A.N

Sample Method Bail

Requested Analyses _____

Comments/Observations _____

Well Casing Volumes

2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 ga/ft

# MONITOR WELL DEVELOPMENT FIELD FORM

## FLUID LEVEL DATA

Well ID: 257-02
Site: Sunset Dairy
Date Gauged: 8-24-23
Time Gauged: 13:50

Depth to PSH: _____ feet
Depth to Water: 16.10 feet
Total Depth: 20.85 feet
Well Diameter: 2 inches
Height of Fluid Column: 4.75 feet
Volume in Well: 0.807 gallons
(3 Well Volumes = 2.42 gallons)

## GROUNDWATER SAMPLING DATA

Time/date Purged: 13:55 8-24-23 Purged Method: Bail

| Time | Purge Vol (gal) | Cumul Purge Vol (gal) | Temp (°C) | SpC (µs/cm) | pH | ORP (mV) | DO (mg/L) |
|---|---|---|---|---|---|---|---|
| 14:08 | 1 | 1 | 21.4 | 4083 | 8.02 | 90 | 1.08 |
| 14:21 | 1 | 2 | 21.0 | 3830 | 7.78 | | |
| 14:33 | 1 | 3 | 21.1 | 3844 | 7.53 | | |
| 14:34 | .25 | 3.25 | 21.2 | 3815 | 7.36 | | |
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Actual Purge Volume: 5 gals
Field Measurements stabilized within ± 10%: Y
Time/Date Sampled: 14:50 8-24-23
Purged/Sampled By: A.N
Sample Method: Bail
Requested Analyses: _____
Comments/Observations: _____

Well Casing Volumes
2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 ga/ft

# MONITOR WELL DEVELOPMENT FIELD FORM

## FLUID LEVEL DATA

Well ID 257-03 Date Gauged 8-24-23

Site Sunset Dairy Time Gauged 10:38

Depth to PSH _____ feet Well Diameter 2 inches

Depth to Water 14.19 feet Height of Fluid Column 1.93 feet

Total Depth 16.12 feet Volume in Well 0.328 gallons

(3 Well Volumes = 0.98 gallons)

## GROUNDWATER SAMPLING DATA

Time/date Purged 10:48 8-24-23 Purged Method Bail

| Time | Purge Vol (gal) | Cumul Purge Vol (gal) | Temp (°C) | SpC (µs/cm) | pH | ORP (mV) | DO (mg/L) |
|---|---|---|---|---|---|---|---|
| 10:59 | .25 | .25 | 20.2 | 3121 | 7.32 | 123 | 2.35 |
| 11:10 | .50 | .75 | 20.4 | 3056 | 7.25 | | |
| 11:25 | .25 | 1 | 21.4 | 2981 | 7.22 | | |
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Actual Purge Volume 1.25 gals Field Measurements stabilized within ± 10% Y

Time/Date Sampled 11:35 8-24-23 Purged/Sampled By A.N

Sample Method Bail

Requested Analyses _____

Comments/Observations Very low water flow. NO Recovery.

Well Casing Volumes

2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 ga/ft

# MONITOR WELL DEVELOPMENT FIELD FORM

## FLUID LEVEL DATA

Well ID: MW-4
Site: SUNSET DAIRY
Date Gauged: 8-24-23
Time Gauged: 15:20

Depth to PSH: _____ feet
Depth to Water: 32.50 feet
Total Depth: 39.96 feet
Well Diameter: 2 inches
Height of Fluid Column: 7.46 feet
Volume in Well: 1.268 gallons
(3 Well Volumes = 3.80 gallons)

## GROUNDWATER SAMPLING DATA

Time/date Purged 15:25 8-24-23 Purged Method Bail

| Time | Purge Vol (gal) | Cumul Purge Vol (gal) | Temp (°C) | SpC (µs/cm) | pH | ORP (mV) | DO (mg/L) |
|---|---|---|---|---|---|---|---|
| 15:36 | 1 | 1 | 23.5 | 5895 | 7.78 | 107 | 1.66 |
| 15:47 | 1 | 2 | 22.8 | 6023 | 7.52 | | |
| 15:08 | 2 | 4 | 22.6 | 5913 | 7.39 | | |
| 16:10 | .25 | 4.25 | 22.9 | 5931 | 7.27 | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Actual Purge Volume 5.50 gals
Field Measurements stabilized within ± 10% Y
Time/Date Sampled 16:30 8-24-23
Purged/Sampled By A.N
Sample Method Bail
Requested Analyses
Comments/Observations

Well Casing Volumes
2" diameter = 0.17 gal/ft 4" diameter = 0.66 gal/ft 5" diameter = 1.02 gal/ft 6" diameter = 1.50 ga/ft

# APPENDIX C

# ANALYTICAL LABORATORY REPORTS
**(Provided in Electronic Format via CD Located on Front Cover of Report)**

HALL ENVIRONMENTAL ANALYSIS LABORATORY

*Hall Environmental Analysis Laboratory*
*4901 Hawkins NE*
*Albuquerque, NM 87109*
*TEL: 505-345-3975 FAX: 505-345-4107*
*Website: www.hallenvironmental.com*

September 14, 2023

Regina Mullen

EA Engineering
320 Gold Ave SW Suite 1210
Albuquerque, NM 87102
TEL:
FAX:

RE: Dona Ana Dairies DADs OrderNo.: 2309028

Dear Regina Mullen:

Hall Environmental Analysis Laboratory received 3 sample(s) on 9/1/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman

Laboratory Manager

4901 Hawkins NE
Albuquerque, NM 87109

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering
**Client Sample ID:** DAD-11
**Project:** Dona Ana Dairies DADs
**Collection Date:** 8/31/2023 11:35:00 AM
**Lab ID:** 2309028-001
**Matrix:** GROUNDWA
**Received Date:** 9/1/2023 8:40:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **SNS** |
| Chloride | 860 | 50 | * | mg/L | 100 | 9/1/2023 6:47:37 PM |
| Nitrogen, Nitrite (As N) | ND | 1.0 | | mg/L | 10 | 9/1/2023 6:34:45 PM |
| Nitrogen, Nitrate (As N) | 24 | 1.0 | * | mg/L | 10 | 9/1/2023 6:34:45 PM |
| **SM2540C MOD: TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **KS** |
| Total Dissolved Solids | 3280 | 50.0 | * | mg/L | 1 | 9/7/2023 4:21:00 PM |
| **SM 4500 NORG C: TKN** | | | | | | Analyst: **DML** |
| Nitrogen, Kjeldahl, Total | ND | 5.0 | D | mg/L | 1 | 9/8/2023 1:52:00 PM |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering
**Client Sample ID:** DAD-14
**Project:** Dona Ana Dairies DADs
**Collection Date:** 8/31/2023 1:35:00 PM
**Lab ID:** 2309028-002
**Matrix:** GROUNDWA
**Received Date:** 9/1/2023 8:40:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **SNS** |
| Chloride | 1400 | 50 | * | mg/L | 100 | 9/1/2023 7:13:20 PM |
| Nitrogen, Nitrite (As N) | ND | 1.0 | | mg/L | 10 | 9/1/2023 7:00:29 PM |
| Nitrogen, Nitrate (As N) | 70 | 10 | * | mg/L | 100 | 9/1/2023 7:13:20 PM |
| **SM2540C MOD: TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **KS** |
| Total Dissolved Solids | 3930 | 100 | *D | mg/L | 1 | 9/7/2023 4:21:00 PM |
| **SM 4500 NORG C: TKN** | | | | | | Analyst: **DML** |
| Nitrogen, Kjeldahl, Total | ND | 5.0 | D | mg/L | 1 | 9/8/2023 11:24:00 AM |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering
**Client Sample ID:** DAD-23
**Project:** Dona Ana Dairies DADs
**Collection Date:** 8/31/2023 3:43:00 PM
**Lab ID:** 2309028-003
**Matrix:** GROUNDWA
**Received Date:** 9/1/2023 8:40:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **SNS** |
| Chloride | 570 | 50 | * | mg/L | 100 | 9/1/2023 7:39:03 PM |
| Nitrogen, Nitrite (As N) | ND | 1.0 | | mg/L | 10 | 9/1/2023 7:26:12 PM |
| Nitrogen, Nitrate (As N) | 18 | 1.0 | * | mg/L | 10 | 9/1/2023 7:26:12 PM |
| **SM2540C MOD: TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **KS** |
| Total Dissolved Solids | 2360 | 250 | *D | mg/L | 1 | 9/7/2023 4:21:00 PM |
| **SM 4500 NORG C: TKN** | | | | | | Analyst: **DML** |
| Nitrogen, Kjeldahl, Total | ND | 2.0 | D | mg/L | 1 | 9/8/2023 11:24:00 AM |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2309028**

***14-Sep-23***

**Client:** EA Engineering

**Project:** Dona Ana Dairies DADs

| Sample ID: **MB** | SampType: **MBLK** | TestCode: **EPA Method 300.0: Anions** |
|---|---|---|
| Client ID: **PBW** | Batch ID: **R99437** | RunNo: **99437** |
| Prep Date: | Analysis Date: **9/1/2023** | SeqNo: **3629437** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | ND | 0.50 | | | | | | | | |
| Nitrogen, Nitrite (As N) | ND | 0.10 | | | | | | | | |
| Nitrogen, Nitrate (As N) | ND | 0.10 | | | | | | | | |

| Sample ID: **LCS** | SampType: **LCS** | TestCode: **EPA Method 300.0: Anions** |
|---|---|---|
| Client ID: **LCSW** | Batch ID: **R99437** | RunNo: **99437** |
| Prep Date: | Analysis Date: **9/1/2023** | SeqNo: **3629438** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 4.7 | 0.50 | 5.000 | 0 | 94.2 | 90 | 110 | | | |
| Nitrogen, Nitrite (As N) | 0.97 | 0.10 | 1.000 | 0 | 97.1 | 90 | 110 | | | |
| Nitrogen, Nitrate (As N) | 2.6 | 0.10 | 2.500 | 0 | 103 | 90 | 110 | | | |

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. |
| B | Analyte detected in the associated Method Blank |
| E | Above Quantitation Range/Estimated Value |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2309028**

***14-Sep-23***

**Client:** EA Engineering

**Project:** Dona Ana Dairies DADs

| Sample ID: **MB-77323** | SampType: **MBLK** | TestCode: **SM2540C MOD: Total Dissolved Solids** |
|---|---|---|
| Client ID: **PBW** | Batch ID: **77323** | RunNo: **99516** |
| Prep Date: **9/6/2023** | Analysis Date: **9/7/2023** | SeqNo: **3633681** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | ND | 50.0 | | | | | | | | |

| Sample ID: **LCS-77323** | SampType: **LCS** | TestCode: **SM2540C MOD: Total Dissolved Solids** |
|---|---|---|
| Client ID: **LCSW** | Batch ID: **77323** | RunNo: **99516** |
| Prep Date: **9/6/2023** | Analysis Date: **9/7/2023** | SeqNo: **3633682** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 1030 | 50.0 | 1000 | 0 | 103 | 80 | 120 | | | |

| Sample ID: **2309028-001ADUP** | SampType: **DUP** | TestCode: **SM2540C MOD: Total Dissolved Solids** |
|---|---|---|
| Client ID: **DAD-11** | Batch ID: **77323** | RunNo: **99516** |
| Prep Date: **9/6/2023** | Analysis Date: **9/7/2023** | SeqNo: **3633695** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 3270 | 50.0 | | | | | | 0.458 | 10 | * |

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. |
| B | Analyte detected in the associated Method Blank |
| E | Above Quantitation Range/Estimated Value |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2309028**

***14-Sep-23***

**Client:** EA Engineering

**Project:** Dona Ana Dairies DADs

| Sample ID: **MB-77353** | SampType: **MBLK** | TestCode: **SM 4500 Norg C: TKN** | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Client ID: **PBW** | Batch ID: **77353** | RunNo: **99551** | | | | | | | |
| Prep Date: **9/7/2023** | Analysis Date: **9/8/2023** | SeqNo: **3635245** | Units: **mg/L** | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Nitrogen, Kjeldahl, Total | ND | 1.0 | | | | | | | | |

| Sample ID: **LCS-77353** | SampType: **LCS** | TestCode: **SM 4500 Norg C: TKN** | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Client ID: **LCSW** | Batch ID: **77353** | RunNo: **99551** | | | | | | | |
| Prep Date: **9/7/2023** | Analysis Date: **9/8/2023** | SeqNo: **3635246** | Units: **mg/L** | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Nitrogen, Kjeldahl, Total | 10 | 1.0 | 10.00 | 0 | 101 | 80 | 120 | | | |

| Sample ID: **2309028-002AMS** | SampType: **MS** | TestCode: **SM 4500 Norg C: TKN** | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Client ID: **DAD-14** | Batch ID: **77353** | RunNo: **99551** | | | | | | | |
| Prep Date: **9/7/2023** | Analysis Date: **9/8/2023** | SeqNo: **3635248** | Units: **mg/L** | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Nitrogen, Kjeldahl, Total | 44 | 5.0 | 50.00 | 0 | 88.2 | 75 | 125 | | | D |

| Sample ID: **2309028-002AMSD** | SampType: **MSD** | TestCode: **SM 4500 Norg C: TKN** | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Client ID: **DAD-14** | Batch ID: **77353** | RunNo: **99551** | | | | | | | |
| Prep Date: **9/7/2023** | Analysis Date: **9/8/2023** | SeqNo: **3635249** | Units: **mg/L** | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Nitrogen, Kjeldahl, Total | 43 | 5.0 | 50.00 | 0 | 86.8 | 75 | 125 | 1.60 | 20 | D |

| Sample ID: **MB-77352** | SampType: **MBLK** | TestCode: **SM 4500 Norg C: TKN** | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Client ID: **PBW** | Batch ID: **77352** | RunNo: **99556** | | | | | | | |
| Prep Date: **9/7/2023** | Analysis Date: **9/8/2023** | SeqNo: **3635574** | Units: **mg/L** | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Nitrogen, Kjeldahl, Total | ND | 1.0 | | | | | | | | |

| Sample ID: **LCS-77352** | SampType: **LCS** | TestCode: **SM 4500 Norg C: TKN** | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Client ID: **LCSW** | Batch ID: **77352** | RunNo: **99556** | | | | | | | |
| Prep Date: **9/7/2023** | Analysis Date: **9/8/2023** | SeqNo: **3635575** | Units: **mg/L** | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Nitrogen, Kjeldahl, Total | 10 | 1.0 | 10.00 | 0 | 102 | 80 | 120 | | | |

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. |
| B | Analyte detected in the associated Method Blank |
| E | Above Quantitation Range/Estimated Value |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

HALL ENVIRONMENTAL ANALYSIS LABORATORY

*Hall Environmental Analysis Laboratory*
*4901 Hawkins NE*
*Albuquerque, NM 87109*
*TEL: 505-345-3975 FAX: 505-345-4107*
*Website: www.hallenvironmental.com*

# Sample Log-In Check List

Client Name: EA Engineering | Work Order Number: 2309028 | RcptNo: 1

Received By: **Steve McQuiston** 9/1/2023 8:40:00 AM

Completed By: **Desiree Dominguez** 9/1/2023 10:05:20 AM

Reviewed By: 9/1/23

## Chain of Custody

| | | | |
|---|---|---|---|
| 1. Is Chain of Custody complete? | Yes ☑ | No ☐ | Not Present ☐ |
| 2. How was the sample delivered? | FedEx | | |

## Log In

| | | | |
|---|---|---|---|
| 3. Was an attempt made to cool the samples? | Yes ☑ | No ☐ | NA ☐ |
| 4. Were all samples received at a temperature of >0° C to 6.0°C | Yes ☑ | No ☐ | NA ☐ |
| 5. Sample(s) in proper container(s)? | Yes ☑ | No ☐ | |
| 6. Sufficient sample volume for indicated test(s)? | Yes ☑ | No ☐ | |
| 7. Are samples (except VOA and ONG) properly preserved? | Yes ☑ | No ☐ | |
| 8. Was preservative added to bottles? | Yes ☐ | No ☑ | NA ☐ |
| 9. Received at least 1 vial with headspace <1/4" for AQ VOA? | Yes ☐ | No ☐ | NA ☑ |
| 10. Were any sample containers received broken? | Yes ☐ | No ☑ | |
| 11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) | Yes ☑ | No ☐ | |
| 12. Are matrices correctly identified on Chain of Custody? | Yes ☑ | No ☐ | |
| 13. Is it clear what analyses were requested? | Yes ☑ | No ☐ | |
| 14. Were all holding times able to be met? (If no, notify customer for authorization.) | Yes ☑ | No ☐ | |

# of preserved bottles checked for pH: 3 (<2 or >12 unless noted)

Adjusted? NO

Checked by: SCM 9/1/23

## Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. **Cooler Information**

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|---|---|---|---|---|---|---|
| 1 | 1.3 | Good | Not Present | Morty | | |

# Chain-of-Custody Record

Client:

EA Engineering, Science, and Technology

Mailing Address:

320 Gold Ave SW Suite

Phone #: 505-715-4279

email or Fax#: rmullen@eaest.com

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

☐ NELAC ☐ Other_____

☐ EDD (Type) _____

Turn-Around Time:

☑ Standard ☐ Rush_____

Project Name:

Dona Ana Dairies (DAD'S)

Project #:

Project Manager:

Gina Mullen

Sampler: Angel N. Rivera

On Ice: ☑ Yes ☐ No

# of Coolers: 1 NORTY

Cooler Temp(Including CF): 1.3-0=1.3°C


**HALL ENVIRONMENTAL ANALYSIS LABORATORY**

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107


**Analysis Request**

| Date | Time | Matrix | Sample Name | Container Type and # | Preservative Type | HEAL No. 2309026 | Nitrate/Nitrites EPA Method 300.0 | TKN SM 4500 NORG C | Chloride EPA 300 | TDS SM 2540 C MOD | Sulfate EPA 300 | Phosphorus EPA 6010B | Total Sulfur |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8-31 | 11:35 | Gw | DAD-11 | 2 | | -001 | X | X | X | X | | | |
| 8-31 | 13:35 | Gw | DAD-14 | 2 | | -002 | X | X | X | X | | | |
| 8-31 | 15:43 | Gw | DAD-23 | 2 | | -003 | X | X | X | X | | | |

| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |
|---|---|---|---|---|---|---|
| 8-31 | 17:00 | | Scm | FEDEx | 9/1/23 | 0840 |
| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

*Hall Environmental Analysis Laboratory*
*4901 Hawkins NE*
*Albuquerque, NM 87109*
*TEL: 505-345-3975 FAX: 505-345-4107*
*Website: www.hallenvironmental.com*

September 28, 2023

Regina Mullen

EA Engineering
320 Gold Ave SW Suite 1210
Albuquerque, NM 87102
TEL:
FAX:

RE: Dona Ana Dairies OrderNo.: 2309164

Dear Regina Mullen:

Hall Environmental Analysis Laboratory received 3 sample(s) on 9/6/2023 for the analyses presented in the following report.

This report is a revised report and it replaces the original report issued September 27, 2023.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. All samples are reported as received unless otherwise indicated.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering
**Client Sample ID:** DAD-02
**Project:** Dona Ana Dairies
**Collection Date:** 9/5/2023 10:53:00 AM
**Lab ID:** 2309164-001
**Matrix:** GROUNDWA
**Received Date:** 9/6/2023 8:35:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **SNS** |
| Chloride | 610 | 50 | * | mg/L | 100 | 9/6/2023 8:10:54 PM |
| Nitrogen, Nitrite (As N) | ND | 1.0 | | mg/L | 10 | 9/6/2023 7:58:02 PM |
| Nitrogen, Nitrate (As N) | 6.9 | 1.0 | | mg/L | 10 | 9/6/2023 7:58:02 PM |
| **SM2540C MOD: TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **KS** |
| Total Dissolved Solids | 2070 | 500 | *D | mg/L | 1 | 9/11/2023 3:42:00 PM |
| **SM 4500 NORG C: TKN** | | | | | | Analyst: **DML** |
| Nitrogen, Kjeldahl, Total | ND | 2.0 | D | mg/L | 1 | 9/14/2023 10:56:00 AM |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix |
| E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded |
| J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit |
| P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit |
| RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. |

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering
**Client Sample ID:** DAD-03
**Project:** Dona Ana Dairies
**Collection Date:** 9/5/2023 12:25:00 PM
**Lab ID:** 2309164-002
**Matrix:** GROUNDWA
**Received Date:** 9/6/2023 8:35:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **SNS** |
| Chloride | 290 | 50 | * | mg/L | 100 | 9/6/2023 8:36:38 PM |
| Nitrogen, Nitrite (As N) | ND | 1.0 | | mg/L | 10 | 9/6/2023 8:23:45 PM |
| Nitrogen, Nitrate (As N) | ND | 1.0 | | mg/L | 10 | 9/6/2023 8:23:45 PM |
| **SM2540C MOD: TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **KS** |
| Total Dissolved Solids | 2070 | 500 | *D | mg/L | 1 | 9/11/2023 3:42:00 PM |
| **SM 4500 NORG C: TKN** | | | | | | Analyst: **DML** |
| Nitrogen, Kjeldahl, Total | 2.2 | 2.0 | D | mg/L | 1 | 9/14/2023 10:56:00 AM |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering
**Client Sample ID:** DAD-15
**Project:** Dona Ana Dairies
**Collection Date:** 9/5/2023 2:38:00 PM
**Lab ID:** 2309164-003
**Matrix:** GROUNDWA
**Received Date:** 9/6/2023 8:35:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **SNS** |
| Chloride | 710 | 50 | * | mg/L | 100 | 9/6/2023 9:28:14 PM |
| Nitrogen, Nitrite (As N) | ND | 1.0 | | mg/L | 10 | 9/6/2023 9:15:54 PM |
| Nitrogen, Nitrate (As N) | 21 | 1.0 | * | mg/L | 10 | 9/6/2023 9:15:54 PM |
| **SM2540C MOD: TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **KS** |
| Total Dissolved Solids | 2660 | 50.0 | * | mg/L | 1 | 9/11/2023 3:42:00 PM |
| **SM 4500 NORG C: TKN** | | | | | | Analyst: **DML** |
| Nitrogen, Kjeldahl, Total | ND | 5.0 | D | mg/L | 1 | 9/14/2023 10:56:00 AM |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2309164**

***28-Sep-23***

**Client:** EA Engineering

**Project:** Dona Ana Dairies

| Sample ID: **MB** | SampType: **MBLK** | TestCode: **EPA Method 300.0: Anions** |
|---|---|---|
| Client ID: **PBW** | Batch ID: **A99480** | RunNo: **99480** |
| Prep Date: | Analysis Date: **9/6/2023** | SeqNo: **3633135** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | ND | 0.50 | | | | | | | | |
| Nitrogen, Nitrite (As N) | ND | 0.10 | | | | | | | | |
| Nitrogen, Nitrate (As N) | ND | 0.10 | | | | | | | | |

| Sample ID: **LCS** | SampType: **LCS** | TestCode: **EPA Method 300.0: Anions** |
|---|---|---|
| Client ID: **LCSW** | Batch ID: **A99480** | RunNo: **99480** |
| Prep Date: | Analysis Date: **9/6/2023** | SeqNo: **3633136** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 4.7 | 0.50 | 5.000 | 0 | 93.7 | 90 | 110 | | | |
| Nitrogen, Nitrite (As N) | 0.98 | 0.10 | 1.000 | 0 | 98.1 | 90 | 110 | | | |
| Nitrogen, Nitrate (As N) | 2.5 | 0.10 | 2.500 | 0 | 99.9 | 90 | 110 | | | |

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2309164**

***28-Sep-23***

**Client:** EA Engineering

**Project:** Dona Ana Dairies

| Sample ID: **MB-77382** | SampType: **MBLK** | TestCode: **SM2540C MOD: Total Dissolved Solids** |
|---|---|---|
| Client ID: **PBW** | Batch ID: **77382** | RunNo: **99593** |
| Prep Date: **9/8/2023** | Analysis Date: **9/11/2023** | SeqNo: **3637703** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | ND | 50.0 | | | | | | | | |

| Sample ID: **LCS-77382** | SampType: **LCS** | TestCode: **SM2540C MOD: Total Dissolved Solids** |
|---|---|---|
| Client ID: **LCSW** | Batch ID: **77382** | RunNo: **99593** |
| Prep Date: **9/8/2023** | Analysis Date: **9/11/2023** | SeqNo: **3637704** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 1020 | 50.0 | 1000 | 0 | 102 | 80 | 120 | | | |

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. |
| B | Analyte detected in the associated Method Blank |
| E | Above Quantitation Range/Estimated Value |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2309164**

***28-Sep-23***

**Client:** EA Engineering

**Project:** Dona Ana Dairies

| Sample ID: **MB-77443** | SampType: **MBLK** | TestCode: **SM 4500 Norg C: TKN** |
|---|---|---|
| Client ID: **PBW** | Batch ID: **77443** | RunNo: **99691** |
| Prep Date: **9/12/2023** | Analysis Date: **9/14/2023** | SeqNo: **3642681** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Nitrogen, Kjeldahl, Total | ND | 1.0 | | | | | | | | |

| Sample ID: **LCS-77443** | SampType: **LCS** | TestCode: **SM 4500 Norg C: TKN** |
|---|---|---|
| Client ID: **LCSW** | Batch ID: **77443** | RunNo: **99691** |
| Prep Date: **9/12/2023** | Analysis Date: **9/14/2023** | SeqNo: **3642682** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Nitrogen, Kjeldahl, Total | 10 | 1.0 | 10.00 | 0 | 101 | 80 | 120 | | | |

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. |
| B | Analyte detected in the associated Method Blank |
| E | Above Quantitation Range/Estimated Value |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

HALL ENVIRONMENTAL ANALYSIS LABORATORY

*Hall Environmental Analysis Laboratory*
*4901 Hawkins NE*
*Albuquerque, NM 87109*
*TEL: 505-345-3975 FAX: 505-345-4107*
*Website: www.hallenvironmental.com*

# Sample Log-In Check List

Client Name: EA Engineering | Work Order Number: 2309164 | RcptNo: 1

Received By: Steve McQuiston 9/6/2023 8:35:00 AM

Completed By: Desiree Dominguez 9/6/2023 9:31:57 AM

Reviewed By: SCM 9/6/23

## Chain of Custody

| | | | |
|---|---|---|---|
| 1. Is Chain of Custody complete? | Yes ☑ | No ☐ | Not Present ☐ |
| 2. How was the sample delivered? | FedEx | | |

## Log In

| | | | |
|---|---|---|---|
| 3. Was an attempt made to cool the samples? | Yes ☑ | No ☐ | NA ☐ |
| 4. Were all samples received at a temperature of >0° C to 6.0°C | Yes ☑ | No ☐ | NA ☐ |
| 5. Sample(s) in proper container(s)? | Yes ☑ | No ☐ | |
| 6. Sufficient sample volume for indicated test(s)? | Yes ☑ | No ☐ | |
| 7. Are samples (except VOA and ONG) properly preserved? | Yes ☑ | No ☐ | |
| 8. Was preservative added to bottles? | Yes ☐ | No ☑ | NA ☐ |
| 9. Received at least 1 vial with headspace <1/4" for AQ VOA? | Yes ☐ | No ☐ | NA ☑ |
| 10. Were any sample containers received broken? | Yes ☐ | No ☑ | |
| 11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) | Yes ☑ | No ☐ | |
| 12. Are matrices correctly identified on Chain of Custody? | Yes ☑ | No ☐ | |
| 13. Is it clear what analyses were requested? | Yes ☑ | No ☐ | |
| 14. Were all holding times able to be met? (If no, notify customer for authorization.) | Yes ☑ | No ☐ | |

# of preserved bottles checked for pH: 3 (<2 or >12 unless noted)

Adjusted? NO

Checked by: SCM 9/6/23

## Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: ____ Date: ____

By Whom: ____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: ____

Client Instructions: ____

16. Additional remarks:

17. **Cooler Information**

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|---|---|---|---|---|---|---|
| 1 | 0.7 | Good | Not Present | Morty | | |

# Chain-of-Custody Record

Client: EA Engineering, Science, and Technology

Mailing Address: 320 Gold Ave SW Suite

Phone #: 505-715-4279

email or Fax#: rmullen@eaest.com

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other_____
☐ EDD (Type) _____

Turn-Around Time:
☑ Standard ☐ Rush_____

Project Name: Dona Ana Dairies (DAD'S)

Project #:

Project Manager: Gina Mullen

Sampler: Angel N. Rivera

On Ice: ☒ Yes ☐ No

# of Coolers: 1 NORTV

Cooler Temp(including CF): 0.1-0 =0.1°C


HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107


| Date | Time | Matrix | Sample Name | Container Type and # | Preservative Type | HEAL No. 2309164 | Nitrate/Nitrites EPA Method 300.0 | TKN SM 4500 NORG C | Chloride EPA 300 | TDS SM 2540 C MOD | Sulfate EPA 300 | | Phosphorus EPA 6010B | Total Sulfur |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9-5 | 10:53 | GW | DAD-02 | 2 | | -001 | X | X | X | X | | | | |
| 9-5 | 12:25 | GW | DAD-03 | 2 | | -002 | X | X | X | X | | | | |
| 9-5 | 14:38 | GW | DAD-15 | 2 | | -003 | X | X | X | X | | | | |

Analysis Request

| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |
|---|---|---|---|---|---|---|
| 9-5 | 17:00 | | SM | FED Ex | 9/6/23 | 0835 |
| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

*Hall Environmental Analysis Laboratory*
*4901 Hawkins NE*
*Albuquerque, NM 87109*
*TEL: 505-345-3975 FAX: 505-345-4107*
*Website: www.hallenvironmental.com*

September 18, 2023

Regina Mullen

EA Engineering
320 Gold Ave SW Suite 1210
Albuquerque, NM 87102
TEL:
FAX:

RE: Dona Ana Dairies DADS OrderNo.: 2309300

Dear Regina Mullen:

Hall Environmental Analysis Laboratory received 4 sample(s) on 9/7/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman

Laboratory Manager

4901 Hawkins NE
Albuquerque, NM 87109

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering
**Client Sample ID:** DAD-04
**Project:** Dona Ana Dairies DADS
**Collection Date:** 9/6/2023 10:20:00 AM
**Lab ID:** 2309300-001
**Matrix:** GROUNDWA
**Received Date:** 9/7/2023 8:37:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **SNS** |
| Chloride | 390 | 50 | * | mg/L | 100 | 9/7/2023 7:48:21 PM |
| Nitrogen, Nitrite (As N) | ND | 1.0 | | mg/L | 10 | 9/7/2023 7:35:57 PM |
| Nitrogen, Nitrate (As N) | ND | 1.0 | | mg/L | 10 | 9/7/2023 7:35:57 PM |
| **SM2540C MOD: TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **MCA** |
| Total Dissolved Solids | 2240 | 100 | *D | mg/L | 1 | 9/14/2023 8:17:00 AM |
| **SM 4500 NORG C: TKN** | | | | | | Analyst: **DML** |
| Nitrogen, Kjeldahl, Total | 1.4 | 1.0 | | mg/L | 1 | 9/15/2023 9:43:00 AM |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering
**Client Sample ID:** DAD-16
**Project:** Dona Ana Dairies DADS
**Collection Date:** 9/6/2023 11:55:00 AM
**Lab ID:** 2309300-002
**Matrix:** GROUNDWA
**Received Date:** 9/7/2023 8:37:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **SNS** |
| Chloride | 250 | 50 | * | mg/L | 100 | 9/7/2023 8:13:10 PM |
| Nitrogen, Nitrite (As N) | ND | 1.0 | | mg/L | 10 | 9/7/2023 8:00:46 PM |
| Nitrogen, Nitrate (As N) | ND | 1.0 | | mg/L | 10 | 9/7/2023 8:00:46 PM |
| **SM2540C MOD: TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **MCA** |
| Total Dissolved Solids | 1670 | 50.0 | * | mg/L | 1 | 9/14/2023 8:17:00 AM |
| **SM 4500 NORG C: TKN** | | | | | | Analyst: **DML** |
| Nitrogen, Kjeldahl, Total | ND | 1.0 | | mg/L | 1 | 9/15/2023 9:43:00 AM |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix |
| E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded |
| J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit |
| P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit |
| RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. |

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering
**Client Sample ID:** DAD-06R
**Project:** Dona Ana Dairies DADS
**Collection Date:** 9/6/2023 1:50:00 PM
**Lab ID:** 2309300-003
**Matrix:** GROUNDWA
**Received Date:** 9/7/2023 8:37:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **SNS** |
| Chloride | 110 | 5.0 | | mg/L | 10 | 9/7/2023 8:25:34 PM |
| Nitrogen, Nitrite (As N) | ND | 1.0 | | mg/L | 10 | 9/7/2023 8:25:34 PM |
| Nitrogen, Nitrate (As N) | 6.3 | 1.0 | | mg/L | 10 | 9/7/2023 8:25:34 PM |
| **SM2540C MOD: TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **MCA** |
| Total Dissolved Solids | 726 | 50.0 | * | mg/L | 1 | 9/14/2023 8:17:00 AM |
| **SM 4500 NORG C: TKN** | | | | | | Analyst: **DML** |
| Nitrogen, Kjeldahl, Total | ND | 1.0 | | mg/L | 1 | 9/15/2023 9:43:00 AM |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering
**Client Sample ID:** DAD-7
**Project:** Dona Ana Dairies DADS
**Collection Date:** 9/6/2023 3:20:00 PM
**Lab ID:** 2309300-004
**Matrix:** GROUNDWA
**Received Date:** 9/7/2023 8:37:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **SNS** |
| Chloride | 560 | 50 | * | mg/L | 100 | 9/7/2023 9:27:37 PM |
| Nitrogen, Nitrite (As N) | ND | 1.0 | | mg/L | 10 | 9/7/2023 9:15:12 PM |
| Nitrogen, Nitrate (As N) | 34 | 1.0 | * | mg/L | 10 | 9/7/2023 9:15:12 PM |
| **SM2540C MOD: TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **MCA** |
| Total Dissolved Solids | 2800 | 100 | *D | mg/L | 1 | 9/14/2023 8:17:00 AM |
| **SM 4500 NORG C: TKN** | | | | | | Analyst: **DML** |
| Nitrogen, Kjeldahl, Total | ND | 5.0 | D | mg/L | 1 | 9/15/2023 9:43:00 AM |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2309300**

***18-Sep-23***

**Client:** EA Engineering

**Project:** Dona Ana Dairies DADS

| Sample ID: **MB** | SampType: **MBLK** | TestCode: **EPA Method 300.0: Anions** |
|---|---|---|
| Client ID: **PBW** | Batch ID: **R99529** | RunNo: **99529** |
| Prep Date: | Analysis Date: **9/7/2023** | SeqNo: **3634331** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | ND | 0.50 | | | | | | | | |
| Nitrogen, Nitrite (As N) | ND | 0.10 | | | | | | | | |
| Nitrogen, Nitrate (As N) | ND | 0.10 | | | | | | | | |

| Sample ID: **LCS** | SampType: **LCS** | TestCode: **EPA Method 300.0: Anions** |
|---|---|---|
| Client ID: **LCSW** | Batch ID: **R99529** | RunNo: **99529** |
| Prep Date: | Analysis Date: **9/7/2023** | SeqNo: **3634332** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 4.7 | 0.50 | 5.000 | 0 | 93.5 | 90 | 110 | | | |
| Nitrogen, Nitrite (As N) | 0.97 | 0.10 | 1.000 | 0 | 96.5 | 90 | 110 | | | |
| Nitrogen, Nitrate (As N) | 2.5 | 0.10 | 2.500 | 0 | 101 | 90 | 110 | | | |

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. |
| B | Analyte detected in the associated Method Blank |
| E | Above Quantitation Range/Estimated Value |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2309300**

***18-Sep-23***

**Client:** EA Engineering

**Project:** Dona Ana Dairies DADS

| Sample ID: **MB-77458** | SampType: **MBLK** | TestCode: **SM2540C MOD: Total Dissolved Solids** |
|---|---|---|
| Client ID: **PBW** | Batch ID: **77458** | RunNo: **99677** |
| Prep Date: **9/12/2023** | Analysis Date: **9/14/2023** | SeqNo: **3642359** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | ND | 50.0 | | | | | | | | |

| Sample ID: **LCS-77458** | SampType: **LCS** | TestCode: **SM2540C MOD: Total Dissolved Solids** |
|---|---|---|
| Client ID: **LCSW** | Batch ID: **77458** | RunNo: **99677** |
| Prep Date: **9/12/2023** | Analysis Date: **9/14/2023** | SeqNo: **3642360** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 1020 | 50.0 | 1000 | 0 | 102 | 80 | 120 | | | |

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. |
| B | Analyte detected in the associated Method Blank |
| E | Above Quantitation Range/Estimated Value |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2309300**

***18-Sep-23***

**Client:** EA Engineering

**Project:** Dona Ana Dairies DADS

| Sample ID: **MB-77474** | SampType: **MBLK** | TestCode: **SM 4500 Norg C: TKN** |
|---|---|---|
| Client ID: **PBW** | Batch ID: **77474** | RunNo: **99726** |
| Prep Date: **9/13/2023** | Analysis Date: **9/15/2023** | SeqNo: **3644532** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Nitrogen, Kjeldahl, Total | ND | 1.0 | | | | | | | | |

| Sample ID: **LCS-77474** | SampType: **LCS** | TestCode: **SM 4500 Norg C: TKN** |
|---|---|---|
| Client ID: **LCSW** | Batch ID: **77474** | RunNo: **99726** |
| Prep Date: **9/13/2023** | Analysis Date: **9/15/2023** | SeqNo: **3644533** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Nitrogen, Kjeldahl, Total | 10 | 1.0 | 10.00 | 0 | 101 | 80 | 120 | | | |

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. |
| B | Analyte detected in the associated Method Blank |
| E | Above Quantitation Range/Estimated Value |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

HALL ENVIRONMENTAL ANALYSIS LABORATORY

*Hall Environmental Analysis Laboratory*
*4901 Hawkins NE*
*Albuquerque, NM 87109*
*TEL: 505-345-3975 FAX: 505-345-4107*
*Website: www.hallenvironmental.com*

# Sample Log-In Check List

Client Name: EA Engineering | Work Order Number: 2309300 | RcptNo: 1

Received By: Joseph Alderette 9/7/2023 8:37:00 AM

Completed By: Cheyenne Cason 9/7/2023 10:22:58 AM

Reviewed By: JH 9/7/23

## Chain of Custody

1. Is Chain of Custody complete? Yes ☑ No ☐ Not Present ☐
2. How was the sample delivered? ~~Client~~ FedEx NG 9/7/23

## Log In

3. Was an attempt made to cool the samples? Yes ☑ No ☐ NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C Yes ☑ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☑ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☑ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☑ No ☐
8. Was preservative added to bottles? Yes ☐ No ☑ NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes ☐ No ☐ NA ☑
10. Were any sample containers received broken? Yes ☐ No ☑
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) Yes ☑ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☑ No ☐
13. Is it clear what analyses were requested? Yes ☑ No ☐
14. Were all holding times able to be met? (If no, notify customer for authorization.) Yes ☑ No ☐

# of preserved bottles checked for pH: 4 (<2 or >12 unless noted)
Adjusted? No
Checked by: JH 9-7-23

## Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date _____
By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding: _____
Client Instructions: _____

16. Additional remarks:

17. **Cooler Information**

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|---|---|---|---|---|---|---|
| 1 | 1.8 | Good | Not Present | Morty | | |

# Chain-of-Custody Record

Client: EA Engineering, Science, and Technology

Mailing Address: 320 Gold Ave SW Suite

Phone #: 505-715-4279

email or Fax#: rmullen@eaest.com

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☑ Standard ☐ Rush

Project Name: Dona Ana Dairies (DAD'S)

Project #:

Project Manager: Gina Mullen

Sampler: Angel N. Rivera

On Ice: ☑ Yes ☐ No

# of Coolers: 1 (metal)

Cooler Temp (including CF): 2.0 - 0.2 = 1.8°C


HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107


| Date | Time | Matrix | Sample Name | Container Type and # | Preservative Type | HEAL No. 2309306 | Nitrate/Nitrites EPA Method 300.0 | TKN SM 4500 NORG C | Chloride EPA 300 | TDS SM 2540 C MOD | Sulfate EPA 300 | | Phosphorus EPA 6010B | Total Sulfur |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9-6 | 10:20 | Gw | DAD-04 | 2 | | 001 | X | X | X | X | | | | |
| 9-6 | 11:55 | Gw | DAD-16 | 2 | | ~~002~~ 002 | X | X | X | X | | | | |
| 9-6 | 13:50 | Gw | DAD-06R | 2 | | 003 | X | X | X | X | | | | |
| 9-6 | 15:20 | Gw | DAD-07 | 2 | | 004 | X | X | X | X | | | | |

Analysis Request

| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |
|---|---|---|---|---|---|---|
| 9-6 | 16:45 | | | Fedex | 9-7-23 | 8:37 |
| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

*Hall Environmental Analysis Laboratory*
*4901 Hawkins NE*
*Albuquerque, NM 87109*
*TEL: 505-345-3975 FAX: 505-345-4107*
*Website: www.hallenvironmental.com*

September 27, 2023

Regina Mullen

EA Engineering
320 Gold Ave SW Suite 1210
Albuquerque, NM 87102
TEL:
FAX:

RE: Dona Ana Dairies DADs OrderNo.: 2309530

Dear Regina Mullen:

Hall Environmental Analysis Laboratory received 4 sample(s) on 9/12/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman

Laboratory Manager

4901 Hawkins NE
Albuquerque, NM 87109

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering
**Client Sample ID:** DAD-24
**Project:** Dona Ana Dairies DADs
**Collection Date:** 9/11/2023 10:52:00 AM
**Lab ID:** 2309530-001
**Matrix:** GROUNDWA
**Received Date:** 9/12/2023 8:50:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **SNS** |
| Chloride | 980 | 50 | * | mg/L | 100 | 9/12/2023 2:45:30 PM |
| Nitrogen, Nitrite (As N) | ND | 1.0 | | mg/L | 10 | 9/12/2023 2:06:54 PM |
| Nitrogen, Nitrate (As N) | 6.0 | 1.0 | | mg/L | 10 | 9/12/2023 2:06:54 PM |
| **SM2540C MOD: TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **MCA** |
| Total Dissolved Solids | 2890 | 50.0 | * | mg/L | 1 | 9/15/2023 2:31:00 PM |
| **SM 4500 NORG C: TKN** | | | | | | Analyst: **DML** |
| Nitrogen, Kjeldahl, Total | ND | 1.0 | | mg/L | 1 | 9/20/2023 3:11:00 PM |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering
**Client Sample ID:** DAD-19
**Project:** Dona Ana Dairies DADs
**Collection Date:** 9/11/2023 12:30:00 PM
**Lab ID:** 2309530-002
**Matrix:** GROUNDWA
**Received Date:** 9/12/2023 8:50:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **SNS** |
| Chloride | 950 | 50 | * | mg/L | 100 | 9/12/2023 3:11:14 PM |
| Nitrogen, Nitrite (As N) | ND | 1.0 | | mg/L | 10 | 9/12/2023 2:58:22 PM |
| Nitrogen, Nitrate (As N) | 31 | 1.0 | * | mg/L | 10 | 9/12/2023 2:58:22 PM |
| **SM2540C MOD: TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **MCA** |
| Total Dissolved Solids | 2970 | 50.0 | * | mg/L | 1 | 9/15/2023 2:31:00 PM |
| **SM 4500 NORG C: TKN** | | | | | | Analyst: **DML** |
| Nitrogen, Kjeldahl, Total | ND | 5.0 | D | mg/L | 1 | 9/20/2023 3:11:00 PM |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering
**Client Sample ID:** DAD-17
**Project:** Dona Ana Dairies DADs
**Collection Date:** 9/11/2023 2:20:00 PM
**Lab ID:** 2309530-003
**Matrix:** GROUNDWA
**Received Date:** 9/12/2023 8:50:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **SNS** |
| Chloride | 66 | 5.0 | | mg/L | 10 | 9/12/2023 3:24:06 PM |
| Nitrogen, Nitrite (As N) | ND | 1.0 | | mg/L | 10 | 9/12/2023 3:24:06 PM |
| Nitrogen, Nitrate (As N) | ND | 1.0 | | mg/L | 10 | 9/12/2023 3:24:06 PM |
| **SM2540C MOD: TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **MCA** |
| Total Dissolved Solids | 613 | 50.0 | * | mg/L | 1 | 9/15/2023 2:31:00 PM |
| **SM 4500 NORG C: TKN** | | | | | | Analyst: **DML** |
| Nitrogen, Kjeldahl, Total | ND | 1.0 | | mg/L | 1 | 9/20/2023 3:11:00 PM |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix |
| E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded |
| J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit |
| P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit |
| RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. |

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering
**Client Sample ID:** DAD-05
**Project:** Dona Ana Dairies DADs
**Collection Date:** 9/11/2023 3:41:00 PM
**Lab ID:** 2309530-004
**Matrix:** GROUNDWA
**Received Date:** 9/12/2023 8:50:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **SNS** |
| Chloride | 97 | 5.0 | | mg/L | 10 | 9/12/2023 4:15:34 PM |
| Nitrogen, Nitrite (As N) | ND | 1.0 | | mg/L | 10 | 9/12/2023 4:15:34 PM |
| Nitrogen, Nitrate (As N) | ND | 1.0 | | mg/L | 10 | 9/12/2023 4:15:34 PM |
| **SM2540C MOD: TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **MCA** |
| Total Dissolved Solids | 872 | 100 | *D | mg/L | 1 | 9/15/2023 2:31:00 PM |
| **SM 4500 NORG C: TKN** | | | | | | Analyst: **DML** |
| Nitrogen, Kjeldahl, Total | 3.8 | 1.0 | | mg/L | 1 | 9/22/2023 12:02:00 PM |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2309530**

***27-Sep-23***

**Client:** EA Engineering

**Project:** Dona Ana Dairies DADs

| Sample ID: **MB** | SampType: **MBLK** | TestCode: **EPA Method 300.0: Anions** |
|---|---|---|
| Client ID: **PBW** | Batch ID: **R99648** | RunNo: **99648** |
| Prep Date: | Analysis Date: **9/12/2023** | SeqNo: **3640562** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | ND | 0.50 | | | | | | | | |
| Nitrogen, Nitrite (As N) | ND | 0.10 | | | | | | | | |
| Nitrogen, Nitrate (As N) | ND | 0.10 | | | | | | | | |

| Sample ID: **LCS** | SampType: **LCS** | TestCode: **EPA Method 300.0: Anions** |
|---|---|---|
| Client ID: **LCSW** | Batch ID: **R99648** | RunNo: **99648** |
| Prep Date: | Analysis Date: **9/12/2023** | SeqNo: **3640570** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 4.7 | 0.50 | 5.000 | 0 | 93.1 | 90 | 110 | | | |
| Nitrogen, Nitrite (As N) | 0.98 | 0.10 | 1.000 | 0 | 97.7 | 90 | 110 | | | |
| Nitrogen, Nitrate (As N) | 2.5 | 0.10 | 2.500 | 0 | 99.2 | 90 | 110 | | | |

| Sample ID: **2309530-001AMS** | SampType: **MS** | TestCode: **EPA Method 300.0: Anions** |
|---|---|---|
| Client ID: **DAD-24** | Batch ID: **R99648** | RunNo: **99648** |
| Prep Date: | Analysis Date: **9/12/2023** | SeqNo: **3640587** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Nitrogen, Nitrite (As N) | 9.4 | 1.0 | 10.00 | 0 | 94.0 | 80 | 120 | | | |
| Nitrogen, Nitrate (As N) | 31 | 1.0 | 25.00 | 6.010 | 98.1 | 80 | 120 | | | |

| Sample ID: **2309530-001AMSD** | SampType: **MSD** | TestCode: **EPA Method 300.0: Anions** |
|---|---|---|
| Client ID: **DAD-24** | Batch ID: **R99648** | RunNo: **99648** |
| Prep Date: | Analysis Date: **9/12/2023** | SeqNo: **3640588** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Nitrogen, Nitrite (As N) | 9.4 | 1.0 | 10.00 | 0 | 94.2 | 80 | 120 | 0.163 | 20 | |
| Nitrogen, Nitrate (As N) | 30 | 1.0 | 25.00 | 6.010 | 97.9 | 80 | 120 | 0.148 | 20 | |

| Sample ID: **MB** | SampType: **MBLK** | TestCode: **EPA Method 300.0: Anions** |
|---|---|---|
| Client ID: **PBW** | Batch ID: **R99648** | RunNo: **99648** |
| Prep Date: | Analysis Date: **9/12/2023** | SeqNo: **3640614** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | ND | 0.50 | | | | | | | | |
| Nitrogen, Nitrite (As N) | ND | 0.10 | | | | | | | | |
| Nitrogen, Nitrate (As N) | ND | 0.10 | | | | | | | | |

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. |
| B | Analyte detected in the associated Method Blank |
| E | Above Quantitation Range/Estimated Value |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2309530**

***27-Sep-23***

**Client:** EA Engineering

**Project:** Dona Ana Dairies DADs

| Sample ID: **LCS** | SampType: **LCS** | TestCode: **EPA Method 300.0: Anions** |
|---|---|---|
| Client ID: **LCSW** | Batch ID: **R99648** | RunNo: **99648** |
| Prep Date: | Analysis Date: **9/12/2023** | SeqNo: **3640615** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 4.8 | 0.50 | 5.000 | 0 | 96.1 | 90 | 110 | | | |
| Nitrogen, Nitrite (As N) | 1.0 | 0.10 | 1.000 | 0 | 100 | 90 | 110 | | | |
| Nitrogen, Nitrate (As N) | 2.6 | 0.10 | 2.500 | 0 | 102 | 90 | 110 | | | |

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2309530**

***27-Sep-23***

**Client:** EA Engineering

**Project:** Dona Ana Dairies DADs

| Sample ID: **MB-77493** | SampType: **MBLK** | TestCode: **SM2540C MOD: Total Dissolved Solids** |
|---|---|---|
| Client ID: **PBW** | Batch ID: **77493** | RunNo: **99738** |
| Prep Date: **9/13/2023** | Analysis Date: **9/15/2023** | SeqNo: **3645018** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | ND | 50.0 | | | | | | | | |

| Sample ID: **LCS-77493** | SampType: **LCS** | TestCode: **SM2540C MOD: Total Dissolved Solids** |
|---|---|---|
| Client ID: **LCSW** | Batch ID: **77493** | RunNo: **99738** |
| Prep Date: **9/13/2023** | Analysis Date: **9/15/2023** | SeqNo: **3645019** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 1000 | 50.0 | 1000 | 0 | 100 | 80 | 120 | | | |

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. |
| B | Analyte detected in the associated Method Blank |
| E | Above Quantitation Range/Estimated Value |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2309530**

***27-Sep-23***

**Client:** EA Engineering

**Project:** Dona Ana Dairies DADs

| Sample ID: **MB-77600** | SampType: **MBLK** | TestCode: **SM 4500 Norg C: TKN** | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Client ID: **PBW** | Batch ID: **77600** | RunNo: **99860** | | | | | | | |
| Prep Date: **9/19/2023** | Analysis Date: **9/20/2023** | SeqNo: **3650787** | Units: **mg/L** | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Nitrogen, Kjeldahl, Total | ND | 1.0 | | | | | | | | |

| Sample ID: **LCS-77600** | SampType: **LCS** | TestCode: **SM 4500 Norg C: TKN** | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Client ID: **LCSW** | Batch ID: **77600** | RunNo: **99860** | | | | | | | |
| Prep Date: **9/19/2023** | Analysis Date: **9/20/2023** | SeqNo: **3650788** | Units: **mg/L** | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Nitrogen, Kjeldahl, Total | 9.9 | 1.0 | 10.00 | 0 | 99.4 | 80 | 120 | | | |

| Sample ID: **MB-77629** | SampType: **MBLK** | TestCode: **SM 4500 Norg C: TKN** | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Client ID: **PBW** | Batch ID: **77629** | RunNo: **99924** | | | | | | | |
| Prep Date: **9/20/2023** | Analysis Date: **9/22/2023** | SeqNo: **3654384** | Units: **mg/L** | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Nitrogen, Kjeldahl, Total | ND | 1.0 | | | | | | | | |

| Sample ID: **LCS-77629** | SampType: **LCS** | TestCode: **SM 4500 Norg C: TKN** | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Client ID: **LCSW** | Batch ID: **77629** | RunNo: **99924** | | | | | | | |
| Prep Date: **9/20/2023** | Analysis Date: **9/22/2023** | SeqNo: **3654385** | Units: **mg/L** | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Nitrogen, Kjeldahl, Total | 10 | 1.0 | 10.00 | 0 | 101 | 80 | 120 | | | |

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

HALL ENVIRONMENTAL ANALYSIS LABORATORY

*Hall Environmental Analysis Laboratory*
*4901 Hawkins NE*
*Albuquerque, NM 87109*
*TEL: 505-345-3975 FAX: 505-345-4107*
*Website: www.hallenvironmental.com*

# Sample Log-In Check List

Client Name: EA Engineering | Work Order Number: 2309530 | RcptNo: 1

Received By: Desiree Dominguez 9/12/2023 8:50:00 AM

Completed By: Cheyenne Cason 9/12/2023 9:07:14 AM

Reviewed By: JM 9/12/23

## Chain of Custody

| | | | |
|---|---|---|---|
| 1. Is Chain of Custody complete? | Yes ☑ | No ☐ | Not Present ☐ |
| 2. How was the sample delivered? | FedEx | | |

## Log In

| | | | |
|---|---|---|---|
| 3. Was an attempt made to cool the samples? | Yes ☑ | No ☐ | NA ☐ |
| 4. Were all samples received at a temperature of >0° C to 6.0°C | Yes ☑ | No ☐ | NA ☐ |
| 5. Sample(s) in proper container(s)? | Yes ☑ | No ☐ | |
| 6. Sufficient sample volume for indicated test(s)? | Yes ☑ | No ☐ | |
| 7. Are samples (except VOA and ONG) properly preserved? | Yes ☑ | No ☐ | |
| 8. Was preservative added to bottles? | Yes ☐ | No ☑ | NA ☐ |
| 9. Received at least 1 vial with headspace <1/4" for AQ VOA? | Yes ☐ | No ☐ | NA ☑ |
| 10. Were any sample containers received broken? | Yes ☐ | No ☑ | |
| 11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) | Yes ☑ | No ☐ | |
| 12. Are matrices correctly identified on Chain of Custody? | Yes ☑ | No ☐ | |
| 13. Is it clear what analyses were requested? | Yes ☑ | No ☐ | |
| 14. Were all holding times able to be met? (If no, notify customer for authorization.) | Yes ☑ | No ☐ | |

# of preserved bottles checked for pH: 4
(<2 or >12 unless noted)
Adjusted? NO
Checked by: SCM 9/12/23

## Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: Date:
By Whom: Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding:
Client Instructions:

16. Additional remarks:

17. **Cooler Information**

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|---|---|---|---|---|---|---|
| 1 | 0.2 | Good | Not Present | Yogi | | |

# Chain-of-Custody Record

Client: EA Engineering, Science, and Technology

Mailing Address: 320 Gold Ave SW Suite

Phone #: 505-715-4279

email or Fax#: rmullen@eaest.com

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other_____

☐ EDD (Type) _____

Turn-Around Time:
☑ Standard ☐ Rush_____

Project Name: Dona Ana Dairies (DAD'S)

Project #:

Project Manager: Gina Mullen

Sampler: Angel N. Rivera

On Ice: ☑ Yes ☐ No

# of Coolers: 1 Yogi

Cooler Temp(Including CF): 0.2+0.0=0.2


HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107


| Date | Time | Matrix | Sample Name | Container Type and # | Preservative Type | HEAL No. 2309530 | Nitrate/Nitrites EPA Method 300.0 | TKN SM 4500 NORG C | Chloride EPA 300 | TDS SM 2540 C MOD | Sulfate EPA 300 | | Phosphorus EPA 6010B | Total Sulfur | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9-11 | 10:52 | Gw | DAD-24 | 2 | | 001 | X | X | X | X | | | | | | | | | | | |
| 9-11 | 12:30 | Gw | DAD-19 | 2 | | 002 | X | X | X | X | | | | | | | | | | | |
| 9-11 | 14:20 | Gw | DAD-17 | 2 | | 003 | X | X | X | X | | | | | | | | | | | |
| 9-11 | 15:41 | Gw | DAD-05 | 2 | | 004 | X | X | X | X | | | | | | | | | | | |

Analysis Request

| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |
|---|---|---|---|---|---|---|
| 9-11 | 17:10 | | | Fed Ex | 9/12/23 | 8:50 |
| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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*Albuquerque, NM 87109*
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*Website: www.hallenvironmental.com*

September 28, 2023

Regina Mullen

EA Engineering
320 Gold Ave SW Suite 1210
Albuquerque, NM 87102
TEL:
FAX:

RE: Dona Ana Dairies OrderNo.: 2309642

Dear Regina Mullen:

Hall Environmental Analysis Laboratory received 3 sample(s) on 9/13/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman

Laboratory Manager

4901 Hawkins NE
Albuquerque, NM 87109

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering
**Client Sample ID:** DAD-18
**Project:** Dona Ana Dairies
**Collection Date:** 9/12/2023 10:28:00 AM
**Lab ID:** 2309642-001
**Matrix:** GROUNDWA
**Received Date:** 9/13/2023 8:30:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **SNS** |
| Chloride | 630 | 50 | * | mg/L | 100 | 9/13/2023 3:15:54 PM |
| Nitrogen, Nitrite (As N) | ND | 1.0 | | mg/L | 10 | 9/13/2023 2:38:51 PM |
| Nitrogen, Nitrate (As N) | 7.7 | 1.0 | | mg/L | 10 | 9/13/2023 2:38:51 PM |
| **SM2540C MOD: TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **MCA** |
| Total Dissolved Solids | 2600 | 50.0 | * | mg/L | 1 | 9/18/2023 3:04:00 PM |
| **SM 4500 NORG C: TKN** | | | | | | Analyst: **DML** |
| Nitrogen, Kjeldahl, Total | ND | 1.0 | | mg/L | 1 | 9/22/2023 3:28:00 PM |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering
**Client Sample ID:** DAD-08
**Project:** Dona Ana Dairies
**Collection Date:** 9/12/2023 11:36:00 AM
**Lab ID:** 2309642-002
**Matrix:** GROUNDWA
**Received Date:** 9/13/2023 8:30:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **SNS** |
| Chloride | 1500 | 50 | * | mg/L | 100 | 9/13/2023 3:40:35 PM |
| Nitrogen, Nitrite (As N) | ND | 1.0 | | mg/L | 10 | 9/13/2023 3:28:14 PM |
| Nitrogen, Nitrate (As N) | 42 | 1.0 | * | mg/L | 10 | 9/13/2023 3:28:14 PM |
| **SM2540C MOD: TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **MCA** |
| Total Dissolved Solids | 4150 | 250 | *D | mg/L | 1 | 9/18/2023 3:04:00 PM |
| **SM 4500 NORG C: TKN** | | | | | | Analyst: **DML** |
| Nitrogen, Kjeldahl, Total | ND | 5.0 | D | mg/L | 1 | 9/25/2023 12:48:00 PM |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering
**Client Sample ID:** DAD-25
**Project:** Dona Ana Dairies
**Collection Date:** 9/12/2023 4:24:00 PM
**Lab ID:** 2309642-003
**Matrix:** GROUNDWA
**Received Date:** 9/13/2023 8:30:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **SNS** |
| Chloride | 800 | 50 | * | mg/L | 100 | 9/13/2023 4:05:17 PM |
| Nitrogen, Nitrite (As N) | ND | 1.0 | | mg/L | 10 | 9/13/2023 3:52:56 PM |
| Nitrogen, Nitrate (As N) | 7.6 | 1.0 | | mg/L | 10 | 9/13/2023 3:52:56 PM |
| **SM2540C MOD: TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **MCA** |
| Total Dissolved Solids | 2380 | 500 | *D | mg/L | 1 | 9/18/2023 3:04:00 PM |
| **SM 4500 NORG C: TKN** | | | | | | Analyst: **DML** |
| Nitrogen, Kjeldahl, Total | ND | 1.0 | | mg/L | 1 | 9/25/2023 12:48:00 PM |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2309642**

***28-Sep-23***

**Client:** EA Engineering

**Project:** Dona Ana Dairies

| Sample ID: **MB** | SampType: **MBLK** | TestCode: **EPA Method 300.0: Anions** |
|---|---|---|
| Client ID: **PBW** | Batch ID: **R99697** | RunNo: **99697** |
| Prep Date: | Analysis Date: **9/13/2023** | SeqNo: **3642733** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | ND | 0.50 | | | | | | | | |
| Nitrogen, Nitrite (As N) | ND | 0.10 | | | | | | | | |
| Nitrogen, Nitrate (As N) | ND | 0.10 | | | | | | | | |

| Sample ID: **LCS** | SampType: **LCS** | TestCode: **EPA Method 300.0: Anions** |
|---|---|---|
| Client ID: **LCSW** | Batch ID: **R99697** | RunNo: **99697** |
| Prep Date: | Analysis Date: **9/13/2023** | SeqNo: **3642734** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 4.6 | 0.50 | 5.000 | 0 | 92.4 | 90 | 110 | | | |
| Nitrogen, Nitrite (As N) | 0.95 | 0.10 | 1.000 | 0 | 95.3 | 90 | 110 | | | |
| Nitrogen, Nitrate (As N) | 2.5 | 0.10 | 2.500 | 0 | 99.5 | 90 | 110 | | | |

| Sample ID: **2309642-001AMS** | SampType: **MS** | TestCode: **EPA Method 300.0: Anions** |
|---|---|---|
| Client ID: **DAD-18** | Batch ID: **R99697** | RunNo: **99697** |
| Prep Date: | Analysis Date: **9/13/2023** | SeqNo: **3642758** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Nitrogen, Nitrite (As N) | 9.0 | 1.0 | 10.00 | 0 | 90.1 | 80 | 120 | | | |
| Nitrogen, Nitrate (As N) | 33 | 1.0 | 25.00 | 7.744 | 99.3 | 80 | 120 | | | |

| Sample ID: **2309642-001AMSD** | SampType: **MSD** | TestCode: **EPA Method 300.0: Anions** |
|---|---|---|
| Client ID: **DAD-18** | Batch ID: **R99697** | RunNo: **99697** |
| Prep Date: | Analysis Date: **9/13/2023** | SeqNo: **3642759** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Nitrogen, Nitrite (As N) | 9.0 | 1.0 | 10.00 | 0 | 89.6 | 80 | 120 | 0.544 | 20 | |
| Nitrogen, Nitrate (As N) | 32 | 1.0 | 25.00 | 7.744 | 98.8 | 80 | 120 | 0.372 | 20 | |

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. |
| B | Analyte detected in the associated Method Blank |
| E | Above Quantitation Range/Estimated Value |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2309642**

***28-Sep-23***

**Client:** EA Engineering

**Project:** Dona Ana Dairies

| Sample ID: **MB-77526** | SampType: **MBLK** | TestCode: **SM2540C MOD: Total Dissolved Solids** |
|---|---|---|
| Client ID: **PBW** | Batch ID: **77526** | RunNo: **99773** |
| Prep Date: **9/14/2023** | Analysis Date: **9/18/2023** | SeqNo: **3646992** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | ND | 50.0 | | | | | | | | |

| Sample ID: **LCS-77526** | SampType: **LCS** | TestCode: **SM2540C MOD: Total Dissolved Solids** |
|---|---|---|
| Client ID: **LCSW** | Batch ID: **77526** | RunNo: **99773** |
| Prep Date: **9/14/2023** | Analysis Date: **9/18/2023** | SeqNo: **3646993** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 1010 | 50.0 | 1000 | 0 | 101 | 80 | 120 | | | |

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. |
| B | Analyte detected in the associated Method Blank |
| E | Above Quantitation Range/Estimated Value |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2309642**

***28-Sep-23***

**Client:** EA Engineering

**Project:** Dona Ana Dairies

| Sample ID: **MB-77665** | SampType: **MBLK** | TestCode: **SM 4500 Norg C: TKN** |
|---|---|---|
| Client ID: **PBW** | Batch ID: **77665** | RunNo: **99930** |
| Prep Date: **9/21/2023** | Analysis Date: **9/22/2023** | SeqNo: **3654580** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Nitrogen, Kjeldahl, Total | ND | 1.0 | | | | | | | | |

| Sample ID: **LCS-77665** | SampType: **LCS** | TestCode: **SM 4500 Norg C: TKN** |
|---|---|---|
| Client ID: **LCSW** | Batch ID: **77665** | RunNo: **99930** |
| Prep Date: **9/21/2023** | Analysis Date: **9/22/2023** | SeqNo: **3654581** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Nitrogen, Kjeldahl, Total | 9.8 | 1.0 | 10.00 | 0 | 98.0 | 80 | 120 | | | |

| Sample ID: **MB-77695** | SampType: **MBLK** | TestCode: **SM 4500 Norg C: TKN** |
|---|---|---|
| Client ID: **PBW** | Batch ID: **77695** | RunNo: **99955** |
| Prep Date: **9/22/2023** | Analysis Date: **9/25/2023** | SeqNo: **3656126** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Nitrogen, Kjeldahl, Total | ND | 1.0 | | | | | | | | |

| Sample ID: **LCS-77695** | SampType: **LCS** | TestCode: **SM 4500 Norg C: TKN** |
|---|---|---|
| Client ID: **LCSW** | Batch ID: **77695** | RunNo: **99955** |
| Prep Date: **9/22/2023** | Analysis Date: **9/25/2023** | SeqNo: **3656127** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Nitrogen, Kjeldahl, Total | 10 | 1.0 | 10.00 | 0 | 101 | 80 | 120 | | | |

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. |
| B | Analyte detected in the associated Method Blank |
| E | Above Quantitation Range/Estimated Value |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

HALL ENVIRONMENTAL ANALYSIS LABORATORY

*Hall Environmental Analysis Laboratory*
*4901 Hawkins NE*
*Albuquerque, NM 87109*
*TEL: 505-345-3975 FAX: 505-345-4107*
*Website: www.hallenvironmental.com*

# Sample Log-In Check List

Client Name: EA Engineering | Work Order Number: 2309642 | RcptNo: 1

Received By: Cheyenne Cason 9/13/2023 8:30:00 AM

Completed By: Desiree Dominguez 9/13/2023 8:55:38 AM

Reviewed By: 9/13/23

## Chain of Custody

| | | | |
|---|---|---|---|
| 1. Is Chain of Custody complete? | Yes ☑ | No ☐ | Not Present ☐ |
| 2. How was the sample delivered? | FedEx | | |

## Log In

| | | | |
|---|---|---|---|
| 3. Was an attempt made to cool the samples? | Yes ☑ | No ☐ | NA ☐ |
| 4. Were all samples received at a temperature of >0° C to 6.0°C | Yes ☑ | No ☐ | NA ☐ |
| 5. Sample(s) in proper container(s)? | Yes ☑ | No ☐ | |
| 6. Sufficient sample volume for indicated test(s)? | Yes ☑ | No ☐ | |
| 7. Are samples (except VOA and ONG) properly preserved? | Yes ☑ | No ☐ | |
| 8. Was preservative added to bottles? | Yes ☐ | No ☑ | NA ☐ |
| 9. Received at least 1 vial with headspace <1/4" for AQ VOA? | Yes ☐ | No ☐ | NA ☑ |
| 10. Were any sample containers received broken? | Yes ☐ | No ☑ | |
| 11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) | Yes ☑ | No ☐ | |
| 12. Are matrices correctly identified on Chain of Custody? | Yes ☑ | No ☐ | |
| 13. Is it clear what analyses were requested? | Yes ☑ | No ☐ | |
| 14. Were all holding times able to be met? (If no, notify customer for authorization.) | Yes ☑ | No ☐ | |

# of preserved bottles checked for pH: 3 (<2 or >12 unless noted)

Adjusted? NO

Checked by: 9-13-23

## Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: Date:

By Whom: Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding:

Client Instructions:

16. Additional remarks:

17. **Cooler Information**

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|---|---|---|---|---|---|---|
| 1 | 5.1 | Good | Not Present | Morty | | |

# Chain-of-Custody Record

Client: EA Engineering, Science, and Technology

Mailing Address: 320 Gold Ave SW Suite

Phone #: 505-715-4279

email or Fax#: rmullen@eaest.com

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other_____
☐ EDD (Type) _____

Turn-Around Time:
☑ Standard ☐ Rush_____

Project Name: Dona Ana Dairies (DAD'S)

Project #:

Project Manager: Gina Mullen

Sampler: Angel N. Rivera

On Ice: ☑ Yes ☐ No

# of Coolers: 1 Marty

Cooler Temp (including CF) 5.3 - 0.2 = 5.1


HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107


Analysis Request

| Date | Time | Matrix | Sample Name | Container Type and # | Preservative Type | HEAL No. 2309642 | Nitrate/Nitrites EPA Method 300.0 | TKN SM 4500 NORG C | Chloride EPA 300 | TDS SM 2540 C MOD | Sulfate EPA 300 | Phosphorus EPA 6010B | Total Sulfur |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9-12 | 10:28 | Gw | DAD-18 | 2 | | -001 | X | X | X | X | | | |
| 9-12 | 11:36 | Gw | DAD-08 | 2 | | -002 | X | X | X | X | | | |
| 9-12 | 16:24 | Gw | DAD-25 | 2 | | -003 | X | X | X | X | | | |

| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |
|---|---|---|---|---|---|---|
| 9-12 | 17:50 | | | | 9/13/23 | 0830 |
| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

*Hall Environmental Analysis Laboratory*
*4901 Hawkins NE*
*Albuquerque, NM 87109*
*TEL: 505-345-3975 FAX: 505-345-4107*
*Website: www.hallenvironmental.com*

September 27, 2023

Regina Mullen

EA Engineering
320 Gold Ave SW Suite 1210
Albuquerque, NM 87102
TEL:
FAX:

RE: Dona Ana Dairies DADs OrderNo.: 2309795

Dear Regina Mullen:

Hall Environmental Analysis Laboratory received 4 sample(s) on 9/14/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman

Laboratory Manager

4901 Hawkins NE
Albuquerque, NM 87109

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering
**Client Sample ID:** DAD-10
**Project:** Dona Ana Dairies DADs
**Collection Date:** 9/13/2023 10:36:00 AM
**Lab ID:** 2309795-001
**Matrix:** GROUNDWA
**Received Date:** 9/14/2023 8:30:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **SNS** |
| Chloride | 360 | 50 | * | mg/L | 100 | 9/14/2023 7:08:11 PM |
| Nitrogen, Nitrite (As N) | ND | 1.0 | | mg/L | 10 | 9/14/2023 6:55:18 PM |
| Nitrogen, Nitrate (As N) | 1.0 | 1.0 | | mg/L | 10 | 9/14/2023 6:55:18 PM |
| **SM2540C MOD: TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **MCA** |
| Total Dissolved Solids | 1340 | 100 | *D | mg/L | 1 | 9/20/2023 1:55:00 PM |
| **SM 4500 NORG C: TKN** | | | | | | Analyst: **DML** |
| Nitrogen, Kjeldahl, Total | ND | 1.0 | | mg/L | 1 | 9/26/2023 9:14:00 AM |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering
**Client Sample ID:** DAD-21
**Project:** Dona Ana Dairies DADs
**Collection Date:** 9/13/2023 12:15:00 PM
**Lab ID:** 2309795-002
**Matrix:** GROUNDWA
**Received Date:** 9/14/2023 8:30:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **SNS** |
| Chloride | 710 | 50 | * | mg/L | 100 | 9/14/2023 7:33:54 PM |
| Nitrogen, Nitrite (As N) | ND | 1.0 | | mg/L | 10 | 9/14/2023 7:21:03 PM |
| Nitrogen, Nitrate (As N) | 35 | 1.0 | * | mg/L | 10 | 9/14/2023 7:21:03 PM |
| **SM2540C MOD: TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **MCA** |
| Total Dissolved Solids | 2590 | 100 | *D | mg/L | 1 | 9/20/2023 1:55:00 PM |
| **SM 4500 NORG C: TKN** | | | | | | Analyst: **DML** |
| Nitrogen, Kjeldahl, Total | ND | 5.0 | D | mg/L | 1 | 9/26/2023 9:14:00 AM |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering
**Client Sample ID:** DAD-09
**Project:** Dona Ana Dairies DADs
**Collection Date:** 9/13/2023 2:40:00 PM
**Lab ID:** 2309795-003
**Matrix:** GROUNDWA
**Received Date:** 9/14/2023 8:30:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **SNS** |
| Chloride | 410 | 50 | * | mg/L | 100 | 9/14/2023 7:59:38 PM |
| Nitrogen, Nitrite (As N) | ND | 1.0 | | mg/L | 10 | 9/14/2023 7:46:47 PM |
| Nitrogen, Nitrate (As N) | 30 | 1.0 | * | mg/L | 10 | 9/14/2023 7:46:47 PM |
| **SM2540C MOD: TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **MCA** |
| Total Dissolved Solids | 1640 | 250 | *D | mg/L | 1 | 9/20/2023 1:55:00 PM |
| **SM 4500 NORG C: TKN** | | | | | | Analyst: **DML** |
| Nitrogen, Kjeldahl, Total | ND | 5.0 | D | mg/L | 1 | 9/26/2023 9:14:00 AM |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering
**Client Sample ID:** DAD-22
**Project:** Dona Ana Dairies DADs
**Collection Date:** 9/13/2023 4:19:00 PM
**Lab ID:** 2309795-004
**Matrix:** GROUNDWA
**Received Date:** 9/14/2023 8:30:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **SNS** |
| Chloride | 740 | 50 | * | mg/L | 100 | 9/15/2023 12:44:05 AM |
| Nitrogen, Nitrite (As N) | ND | 1.0 | | mg/L | 10 | 9/15/2023 12:31:13 AM |
| Nitrogen, Nitrate (As N) | 14 | 1.0 | * | mg/L | 10 | 9/15/2023 12:31:13 AM |
| **SM2540C MOD: TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **MCA** |
| Total Dissolved Solids | 2410 | 50.0 | * | mg/L | 1 | 9/20/2023 1:55:00 PM |
| **SM 4500 NORG C: TKN** | | | | | | Analyst: **DML** |
| Nitrogen, Kjeldahl, Total | ND | 2.0 | D | mg/L | 1 | 9/26/2023 9:14:00 AM |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2309795**

***27-Sep-23***

**Client:** EA Engineering

**Project:** Dona Ana Dairies DADs

| Sample ID: **MB** | SampType: **MBLK** | TestCode: **EPA Method 300.0: Anions** |
|---|---|---|
| Client ID: **PBW** | Batch ID: **R99734** | RunNo: **99734** |
| Prep Date: | Analysis Date: **9/14/2023** | SeqNo: **3644800** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | ND | 0.50 | | | | | | | | |
| Nitrogen, Nitrite (As N) | ND | 0.10 | | | | | | | | |
| Nitrogen, Nitrate (As N) | ND | 0.10 | | | | | | | | |

| Sample ID: **LCS** | SampType: **LCS** | TestCode: **EPA Method 300.0: Anions** |
|---|---|---|
| Client ID: **LCSW** | Batch ID: **R99734** | RunNo: **99734** |
| Prep Date: | Analysis Date: **9/14/2023** | SeqNo: **3644802** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 4.6 | 0.50 | 5.000 | 0 | 91.2 | 90 | 110 | | | |
| Nitrogen, Nitrite (As N) | 0.93 | 0.10 | 1.000 | 0 | 93.2 | 90 | 110 | | | |
| Nitrogen, Nitrate (As N) | 2.4 | 0.10 | 2.500 | 0 | 95.6 | 90 | 110 | | | |

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. |
| B | Analyte detected in the associated Method Blank |
| E | Above Quantitation Range/Estimated Value |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2309795**

***27-Sep-23***

**Client:** EA Engineering

**Project:** Dona Ana Dairies DADs

| Sample ID: **MB-77614** | SampType: **MBLK** | TestCode: **SM2540C MOD: Total Dissolved Solids** |
|---|---|---|
| Client ID: **PBW** | Batch ID: **77614** | RunNo: **99851** |
| Prep Date: **9/19/2023** | Analysis Date: **9/20/2023** | SeqNo: **3650461** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | ND | 50.0 | | | | | | | | |

| Sample ID: **LCS-77614** | SampType: **LCS** | TestCode: **SM2540C MOD: Total Dissolved Solids** |
|---|---|---|
| Client ID: **LCSW** | Batch ID: **77614** | RunNo: **99851** |
| Prep Date: **9/19/2023** | Analysis Date: **9/20/2023** | SeqNo: **3650462** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 1010 | 50.0 | 1000 | 0 | 101 | 80 | 120 | | | |

| Sample ID: **2309795-004ADUP** | SampType: **DUP** | TestCode: **SM2540C MOD: Total Dissolved Solids** |
|---|---|---|
| Client ID: **DAD-22** | Batch ID: **77614** | RunNo: **99851** |
| Prep Date: **9/19/2023** | Analysis Date: **9/20/2023** | SeqNo: **3650467** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 2410 | 50.0 | | | | | | 0.125 | 10 | * |

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. |
| B | Analyte detected in the associated Method Blank |
| E | Above Quantitation Range/Estimated Value |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2309795**

***27-Sep-23***

**Client:** EA Engineering

**Project:** Dona Ana Dairies DADs

| Sample ID: **MB-77752** | SampType: **MBLK** | TestCode: **SM 4500 Norg C: TKN** |
|---|---|---|
| Client ID: **PBW** | Batch ID: **77752** | RunNo: **99983** |
| Prep Date: **9/25/2023** | Analysis Date: **9/26/2023** | SeqNo: **3657320** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Nitrogen, Kjeldahl, Total | ND | 1.0 | | | | | | | | |

| Sample ID: **LCS-77752** | SampType: **LCS** | TestCode: **SM 4500 Norg C: TKN** |
|---|---|---|
| Client ID: **LCSW** | Batch ID: **77752** | RunNo: **99983** |
| Prep Date: **9/25/2023** | Analysis Date: **9/26/2023** | SeqNo: **3657321** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Nitrogen, Kjeldahl, Total | 10 | 1.0 | 10.00 | 0 | 101 | 80 | 120 | | | |

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. |
| B | Analyte detected in the associated Method Blank |
| E | Above Quantitation Range/Estimated Value |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

HALL ENVIRONMENTAL ANALYSIS LABORATORY

*Hall Environmental Analysis Laboratory*
*4901 Hawkins NE*
*Albuquerque, NM 87109*
*TEL: 505-345-3975 FAX: 505-345-4107*
*Website: www.hallenvironmental.com*

# Sample Log-In Check List

Client Name: EA Engineering | Work Order Number: 2309795 | RcptNo: 1

Received By: Joseph Alderette 9/14/2023 8:30:00 AM

Completed By: Tracy Casarrubias 9/14/2023 12:42:02 PM

Reviewed By: 9/14/23

## Chain of Custody

| | | | |
|---|---|---|---|
| 1. Is Chain of Custody complete? | Yes ☑ | No ☐ | Not Present ☐ |
| 2. How was the sample delivered? | FedEx | | |

## Log In

| | | | |
|---|---|---|---|
| 3. Was an attempt made to cool the samples? | Yes ☑ | No ☐ | NA ☐ |
| 4. Were all samples received at a temperature of >0° C to 6.0°C | Yes ☑ | No ☐ | NA ☐ |
| 5. Sample(s) in proper container(s)? | Yes ☑ | No ☐ | |
| 6. Sufficient sample volume for indicated test(s)? | Yes ☑ | No ☐ | |
| 7. Are samples (except VOA and ONG) properly preserved? | Yes ☑ | No ☐ | |
| 8. Was preservative added to bottles? | Yes ☐ | No ☑ | NA ☐ |
| 9. Received at least 1 vial with headspace <1/4" for AQ VOA? | Yes ☐ | No ☐ | NA ☑ |
| 10. Were any sample containers received broken? | Yes ☐ | No ☑ | |
| 11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) | Yes ☑ | No ☐ | # of preserved bottles checked for pH: 4 (<2 or >12 unless noted) |
| 12. Are matrices correctly identified on Chain of Custody? | Yes ☑ | No ☐ | Adjusted? NO |
| 13. Is it clear what analyses were requested? | Yes ☑ | No ☐ | |
| 14. Were all holding times able to be met? (If no, notify customer for authorization.) | Yes ☑ | No ☐ | Checked by: SCM 9/14/23 |

## Special Handling (if applicable)

| | | | |
|---|---|---|---|
| 15. Was client notified of all discrepancies with this order? | Yes ☐ | No ☐ | NA ☑ |

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. **Cooler Information**

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|---|---|---|---|---|---|---|
| 1 | 0.4 | Good | Not Present | Morty | | |

# Chain-of-Custody Record

**HALL ENVIRONMENTAL ANALYSIS LABORATORY**

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Client: EA Engineering, Science, and Technology

Mailing Address: 320 Gold Ave SW Suite

Phone #: 505-715-4279

email or Fax#: rmullen@eaest.com

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance ☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time: ☑ Standard ☐ Rush

Project Name: Dona Ana Dairies (DAD'S)

Project #:

Project Manager: Gina Mullen

Sampler: Angel N. Rivera

On Ice: ☐ Yes ☐ No

# of Coolers: 1 (metal)

Cooler Temp(including CF): 0.4 - 0 = 0.4°c

| Date | Time | Matrix | Sample Name | Container Type and # | Preservative Type | HEAL No. 2309795 | Nitrate/Nitrites EPA Method 300.0 | TKN SM 4500 NORG C | Chloride EPA 300 | TDS SM 2540 C MOD | Sulfate EPA 300 | Phosphorus EPA 6010B | Total Sulfur |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9-13 | 10:36 | Gw | DAD-10 | 2 | | 001 | X | X | X | X | | | |
| 9-13 | 12:15 | Gw | DAD-21 | 2 | | 002 | X | X | X | X | | | |
| 9-13 | 14:40 | Gw | DAD-09 | 2 | | 003 | X | X | X | X | | | |
| 9-13 | 16:19 | Gw | DAD-22 | 2 | | 004 | X | X | X | X | | | |

Analysis Request

| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |
|---|---|---|---|---|---|---|
| 9-13 | 17:36 | | | fedex | 9-14-23 | 8:30 |
| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

*Hall Environmental Analysis Laboratory*
*4901 Hawkins NE*
*Albuquerque, NM 87109*
*TEL: 505-345-3975 FAX: 505-345-4107*
*Website: www.hallenvironmental.com*

October 10, 2023

Regina Mullen

EA Engineering
320 Gold Ave SW Suite 1210
Albuquerque, NM 87102
TEL:
FAX:

RE: Dona Ana Dairies DADS OrderNo.: 2309863

Dear Regina Mullen:

Hall Environmental Analysis Laboratory received 3 sample(s) on 9/15/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman

Laboratory Manager

4901 Hawkins NE
Albuquerque, NM 87109

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering
**Client Sample ID:** DAD-27
**Project:** Dona Ana Dairies DADS
**Collection Date:** 9/14/2023 11:53:00 AM
**Lab ID:** 2309863-001
**Matrix:** GROUNDWA
**Received Date:** 9/15/2023 8:30:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **SNS** |
| Chloride | 450 | 50 | * | mg/L | 100 | 9/15/2023 3:44:39 PM |
| Nitrogen, Nitrite (As N) | ND | 1.0 | | mg/L | 10 | 9/15/2023 3:31:48 PM |
| Nitrogen, Nitrate (As N) | 6.8 | 1.0 | | mg/L | 10 | 9/15/2023 3:31:48 PM |
| **SM2540C MOD: TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **MCA** |
| Total Dissolved Solids | 2100 | 250 | *D | mg/L | 1 | 9/21/2023 3:38:00 PM |
| **SM 4500 NORG C: TKN** | | | | | | Analyst: **DML** |
| Nitrogen, Kjeldahl, Total | ND | 1.0 | | mg/L | 1 | 9/26/2023 9:14:00 AM |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering
**Client Sample ID:** DAD-26
**Project:** Dona Ana Dairies DADS
**Collection Date:** 9/14/2023 1:39:00 PM
**Lab ID:** 2309863-002
**Matrix:** GROUNDWA
**Received Date:** 9/15/2023 8:30:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **SNS** |
| Chloride | 930 | 50 | * | mg/L | 100 | 9/15/2023 4:10:21 PM |
| Nitrogen, Nitrite (As N) | ND | 1.0 | | mg/L | 10 | 9/15/2023 3:57:28 PM |
| Nitrogen, Nitrate (As N) | 16 | 1.0 | * | mg/L | 10 | 9/15/2023 3:57:28 PM |
| **SM2540C MOD: TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **MCA** |
| Total Dissolved Solids | 3030 | 100 | *D | mg/L | 1 | 9/21/2023 3:38:00 PM |
| **SM 4500 NORG C: TKN** | | | | | | Analyst: **DML** |
| Nitrogen, Kjeldahl, Total | ND | 2.0 | D | mg/L | 1 | 9/26/2023 9:14:00 AM |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering
**Client Sample ID:** DAD-20
**Project:** Dona Ana Dairies DADS
**Collection Date:** 9/14/2023 4:16:00 PM
**Lab ID:** 2309863-003
**Matrix:** GROUNDWA
**Received Date:** 9/15/2023 8:30:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **SNS** |
| Chloride | 690 | 50 | * | mg/L | 100 | 9/15/2023 4:36:04 PM |
| Nitrogen, Nitrite (As N) | ND | 1.0 | | mg/L | 10 | 9/15/2023 4:23:12 PM |
| Nitrogen, Nitrate (As N) | 33 | 1.0 | * | mg/L | 10 | 9/15/2023 4:23:12 PM |
| **SM2540C MOD: TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **MCA** |
| Total Dissolved Solids | 2340 | 100 | *D | mg/L | 1 | 9/21/2023 3:38:00 PM |
| **SM 4500 NORG C: TKN** | | | | | | Analyst: **DML** |
| Nitrogen, Kjeldahl, Total | ND | 5.0 | D | mg/L | 1 | 9/29/2023 1:46:00 PM |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2309863**

***10-Oct-23***

**Client:** EA Engineering

**Project:** Dona Ana Dairies DADS

| Sample ID: **MB** | SampType: **MBLK** | TestCode: **EPA Method 300.0: Anions** |
|---|---|---|
| Client ID: **PBW** | Batch ID: **R99756** | RunNo: **99756** |
| Prep Date: | Analysis Date: **9/15/2023** | SeqNo: **3645678** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | ND | 0.50 | | | | | | | | |
| Nitrogen, Nitrite (As N) | ND | 0.10 | | | | | | | | |
| Nitrogen, Nitrate (As N) | ND | 0.10 | | | | | | | | |

| Sample ID: **LCS** | SampType: **LCS** | TestCode: **EPA Method 300.0: Anions** |
|---|---|---|
| Client ID: **LCSW** | Batch ID: **R99756** | RunNo: **99756** |
| Prep Date: | Analysis Date: **9/15/2023** | SeqNo: **3645679** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 4.8 | 0.50 | 5.000 | 0 | 96.5 | 90 | 110 | | | |
| Nitrogen, Nitrite (As N) | 1.0 | 0.10 | 1.000 | 0 | 100 | 90 | 110 | | | |
| Nitrogen, Nitrate (As N) | 2.6 | 0.10 | 2.500 | 0 | 103 | 90 | 110 | | | |

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2309863**

***10-Oct-23***

**Client:** EA Engineering

**Project:** Dona Ana Dairies DADS

| Sample ID: **MB-77638** | SampType: **MBLK** | TestCode: **SM2540C MOD: Total Dissolved Solids** |
|---|---|---|
| Client ID: **PBW** | Batch ID: **77638** | RunNo: **99902** |
| Prep Date: **9/20/2023** | Analysis Date: **9/21/2023** | SeqNo: **3653109** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | ND | 50.0 | | | | | | | | |

| Sample ID: **LCS-77638** | SampType: **LCS** | TestCode: **SM2540C MOD: Total Dissolved Solids** |
|---|---|---|
| Client ID: **LCSW** | Batch ID: **77638** | RunNo: **99902** |
| Prep Date: **9/20/2023** | Analysis Date: **9/21/2023** | SeqNo: **3653110** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 1040 | 50.0 | 1000 | 0 | 104 | 80 | 120 | | | |

| Sample ID: **2309863-002ADUP** | SampType: **DUP** | TestCode: **SM2540C MOD: Total Dissolved Solids** |
|---|---|---|
| Client ID: **DAD-26** | Batch ID: **77638** | RunNo: **99902** |
| Prep Date: **9/20/2023** | Analysis Date: **9/21/2023** | SeqNo: **3653301** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 2950 | 100 | | | | | | 2.54 | 10 | *D |

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. |
| B | Analyte detected in the associated Method Blank |
| E | Above Quantitation Range/Estimated Value |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2309863**

***10-Oct-23***

**Client:** EA Engineering

**Project:** Dona Ana Dairies DADS

| Sample ID: **MB-77752** | SampType: **MBLK** | TestCode: **SM 4500 Norg C: TKN** | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Client ID: **PBW** | Batch ID: **77752** | RunNo: **99983** | | | | | | | |
| Prep Date: **9/25/2023** | Analysis Date: **9/26/2023** | SeqNo: **3657320** | Units: **mg/L** | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Nitrogen, Kjeldahl, Total | ND | 1.0 | | | | | | | | |

| Sample ID: **LCS-77752** | SampType: **LCS** | TestCode: **SM 4500 Norg C: TKN** | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Client ID: **LCSW** | Batch ID: **77752** | RunNo: **99983** | | | | | | | |
| Prep Date: **9/25/2023** | Analysis Date: **9/26/2023** | SeqNo: **3657321** | Units: **mg/L** | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Nitrogen, Kjeldahl, Total | 10 | 1.0 | 10.00 | 0 | 101 | 80 | 120 | | | |

| Sample ID: **MB-77765** | SampType: **MBLK** | TestCode: **SM 4500 Norg C: TKN** | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Client ID: **PBW** | Batch ID: **77765** | RunNo: **100099** | | | | | | | |
| Prep Date: **9/26/2023** | Analysis Date: **9/29/2023** | SeqNo: **3663168** | Units: **mg/L** | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Nitrogen, Kjeldahl, Total | ND | 1.0 | | | | | | | | |

| Sample ID: **LCS-77765** | SampType: **LCS** | TestCode: **SM 4500 Norg C: TKN** | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Client ID: **LCSW** | Batch ID: **77765** | RunNo: **100099** | | | | | | | |
| Prep Date: **9/26/2023** | Analysis Date: **9/29/2023** | SeqNo: **3663169** | Units: **mg/L** | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Nitrogen, Kjeldahl, Total | 10 | 1.0 | 10.00 | 0 | 101 | 80 | 120 | | | |

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

HALL ENVIRONMENTAL ANALYSIS LABORATORY

*Hall Environmental Analysis Laboratory*
*4901 Hawkins NE*
*Albuquerque, NM 87109*
*TEL: 505-345-3975 FAX: 505-345-4107*
*Website: www.hallenvironmental.com*

# Sample Log-In Check List

Client Name: EA Engineering | Work Order Number: 2309863 | RcptNo: 1

Received By: Steve McQuiston 9/15/2023 8:30:00 AM

Completed By: Tracy Casarrubias 9/15/2023 9:31:32 AM

Reviewed By: SCM 9/15/23

## Chain of Custody

| | | | |
|---|---|---|---|
| 1. Is Chain of Custody complete? | Yes ☑ | No ☐ | Not Present ☐ |
| 2. How was the sample delivered? | FedEx | | |

## Log In

| | | | |
|---|---|---|---|
| 3. Was an attempt made to cool the samples? | Yes ☑ | No ☐ | NA ☐ |
| 4. Were all samples received at a temperature of >0° C to 6.0°C | Yes ☑ | No ☐ | NA ☐ |
| 5. Sample(s) in proper container(s)? | Yes ☑ | No ☐ | |
| 6. Sufficient sample volume for indicated test(s)? | Yes ☑ | No ☐ | |
| 7. Are samples (except VOA and ONG) properly preserved? | Yes ☑ | No ☐ | |
| 8. Was preservative added to bottles? | Yes ☐ | No ☑ | NA ☐ |
| 9. Received at least 1 vial with headspace <1/4" for AQ VOA? | Yes ☐ | No ☐ | NA ☑ |
| 10. Were any sample containers received broken? | Yes ☐ | No ☑ | |
| 11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) | Yes ☑ | No ☐ | # of preserved bottles checked for pH: 3 (<2 or >12 unless noted) |
| 12. Are matrices correctly identified on Chain of Custody? | Yes ☑ | No ☐ | Adjusted? NO |
| 13. Is it clear what analyses were requested? | Yes ☑ | No ☐ | |
| 14. Were all holding times able to be met? (If no, notify customer for authorization.) | Yes ☑ | No ☐ | Checked by: TCA 9/15/23 |

## Special Handling (if applicable)

| | | | |
|---|---|---|---|
| 15. Was client notified of all discrepancies with this order? | Yes ☐ | No ☐ | NA ☑ |

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. **Cooler Information**

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|---|---|---|---|---|---|---|
| 1 | 0.2 | Good | Not Present | Morty | | |

# Chain-of-Custody Record

Client: EA Engineering, Science, and Technology

Mailing Address: 320 Gold Ave SW Suite

Phone #: 505-715-4279

email or Fax#: rmullen@eaest.com

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other_____
☐ EDD (Type) _____

Turn-Around Time:
☑ Standard ☐ Rush_____

Project Name: Dona Ana Dairies (DAD'S)

Project #:

Project Manager: Gina Mullen

Sampler: Angel N. Rivera

On Ice: ☒ Yes ☐ No

# of Coolers: 1 (Marty)

Cooler Temp(Including CF): 0.3-0.1=0.2


**HALL ENVIRONMENTAL ANALYSIS LABORATORY**

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107


**Analysis Request**

| Date | Time | Matrix | Sample Name | Container Type and # | Preservative Type | HEAL No. 2309863 | Nitrate/Nitrites EPA Method 300.0 | TKN SM 4500 NORG C | Chloride EPA 300 | TDS SM 2540 C MOD | Sulfate EPA 300 | | Phosphorus EPA 6010B | Total Sulfur | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 9-14 | 11:53 | Gw | DAD-27 | 2 | | 001 | X | X | X | X | | | | | | | | | | |
| 9-14 | 13:39 | Gw | DAD-26 | 2 | | 002 | X | X | X | X | | | | | | | | | | |
| 9-14 | 16:16 | Gw | DAD-20 | 2 | | 003 | X | X | X | X | | | | | | | | | | |

| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |
|---|---|---|---|---|---|---|
| 9-14 | 17:40 | | SCM | FED EX | 9/15/23 | 0830 |
| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

*Hall Environmental Analysis Laboratory*
*4901 Hawkins NE*
*Albuquerque, NM 87109*
*TEL: 505-345-3975 FAX: 505-345-4107*
*Website: www.hallenvironmental.com*

August 29, 2023

Regina Mullen

EA Engineering
320 Gold Ave SW Suite 1210
Albuquerque, NM 87102
TEL:
FAX:

RE: Dominguez Dairy 1 OrderNo.: 2308A48

Dear Regina Mullen:

Hall Environmental Analysis Laboratory received 3 sample(s) on 8/18/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman

Laboratory Manager

4901 Hawkins NE
Albuquerque, NM 87109

# Hall Environmental Analysis Laboratory, Inc.

**Analytical Report**
Lab Order **2308A48**
Date Reported: **8/29/2023**

**CLIENT:** EA Engineering
**Project:** Dominguez Dairy 1
**Lab ID:** 2308A48-001
**Matrix:** GROUNDWA
**Client Sample ID:** 624-01
**Collection Date:** 8/17/2023 12:20:00 PM
**Received Date:** 8/18/2023 8:35:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **JTT** | |
| Chloride | 880 | 50 | * | mg/L | 100 | 8/18/2023 1:06:55 PM | R99082 |
| Nitrogen, Nitrite (As N) | ND | 1.0 | | mg/L | 10 | 8/18/2023 12:54:02 PM | R99082 |
| Nitrogen, Nitrate (As N) | 18 | 1.0 | * | mg/L | 10 | 8/18/2023 12:54:02 PM | R99082 |
| **SM2540C MOD: TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **MCA** | |
| Total Dissolved Solids | 2750 | 50.0 | * | mg/L | 1 | 8/24/2023 3:17:00 PM | 77018 |
| **SM 4500 NORG C: TKN** | | | | | | Analyst: **DML** | |
| Nitrogen, Kjeldahl, Total | ND | 2.0 | D | mg/L | 1 | 8/25/2023 1:58:00 PM | 77102 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering
**Client Sample ID:** 624-02
**Project:** Dominguez Dairy 1
**Collection Date:** 8/17/2023 1:56:00 PM
**Lab ID:** 2308A48-002
**Matrix:** GROUNDWA
**Received Date:** 8/18/2023 8:35:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **JTT** | |
| Chloride | 750 | 50 | * | mg/L | 100 | 8/18/2023 1:32:38 PM | R99082 |
| Nitrogen, Nitrite (As N) | ND | 1.0 | | mg/L | 10 | 8/18/2023 1:19:46 PM | R99082 |
| Nitrogen, Nitrate (As N) | 9.8 | 1.0 | | mg/L | 10 | 8/18/2023 1:19:46 PM | R99082 |
| **SM2540C MOD: TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **MCA** | |
| Total Dissolved Solids | 3010 | 100 | *D | mg/L | 1 | 8/24/2023 3:17:00 PM | 77018 |
| **SM 4500 NORG C: TKN** | | | | | | Analyst: **DML** | |
| Nitrogen, Kjeldahl, Total | ND | 1.0 | | mg/L | 1 | 8/28/2023 9:33:00 AM | 77103 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering
**Client Sample ID:** 624-11
**Project:** Dominguez Dairy 1
**Collection Date:** 8/17/2023 3:37:00 PM
**Lab ID:** 2308A48-003
**Matrix:** GROUNDWA
**Received Date:** 8/18/2023 8:35:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **JTT** | |
| Chloride | 1600 | 50 | * | mg/L | 100 | 8/18/2023 2:24:06 PM | R99082 |
| Nitrogen, Nitrite (As N) | ND | 1.0 | | mg/L | 10 | 8/18/2023 2:11:14 PM | R99082 |
| Nitrogen, Nitrate (As N) | 8.2 | 1.0 | | mg/L | 10 | 8/18/2023 2:11:14 PM | R99082 |
| **SM2540C MOD: TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **MCA** | |
| Total Dissolved Solids | 4110 | 100 | *D | mg/L | 1 | 8/24/2023 3:17:00 PM | 77018 |
| **SM 4500 NORG C: TKN** | | | | | | Analyst: **DML** | |
| Nitrogen, Kjeldahl, Total | ND | 1.0 | | mg/L | 1 | 8/28/2023 9:33:00 AM | 77103 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2308A48**

***29-Aug-23***

**Client:** EA Engineering

**Project:** Dominguez Dairy 1

| Sample ID: **MB** | SampType: **MBLK** | TestCode: **EPA Method 300.0: Anions** |
|---|---|---|
| Client ID: **PBW** | Batch ID: **R99082** | RunNo: **99082** |
| Prep Date: | Analysis Date: **8/18/2023** | SeqNo: **3611579** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | ND | 0.50 | | | | | | | | |
| Nitrogen, Nitrite (As N) | ND | 0.10 | | | | | | | | |
| Nitrogen, Nitrate (As N) | ND | 0.10 | | | | | | | | |

| Sample ID: **LCS** | SampType: **LCS** | TestCode: **EPA Method 300.0: Anions** |
|---|---|---|
| Client ID: **LCSW** | Batch ID: **R99082** | RunNo: **99082** |
| Prep Date: | Analysis Date: **8/18/2023** | SeqNo: **3611580** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 4.8 | 0.50 | 5.000 | 0 | 95.9 | 90 | 110 | | | |
| Nitrogen, Nitrite (As N) | 0.98 | 0.10 | 1.000 | 0 | 97.8 | 90 | 110 | | | |
| Nitrogen, Nitrate (As N) | 2.6 | 0.10 | 2.500 | 0 | 105 | 90 | 110 | | | |

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2308A48**

***29-Aug-23***

**Client:** EA Engineering

**Project:** Dominguez Dairy 1

| Sample ID: **MB-77018** | SampType: **MBLK** | TestCode: **SM2540C MOD: Total Dissolved Solids** |
|---|---|---|
| Client ID: **PBW** | Batch ID: **77018** | RunNo: **99214** |
| Prep Date: **8/23/2023** | Analysis Date: **8/24/2023** | SeqNo: **3617678** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | ND | 50.0 | | | | | | | | |

| Sample ID: **LCS-77018** | SampType: **LCS** | TestCode: **SM2540C MOD: Total Dissolved Solids** |
|---|---|---|
| Client ID: **LCSW** | Batch ID: **77018** | RunNo: **99214** |
| Prep Date: **8/23/2023** | Analysis Date: **8/24/2023** | SeqNo: **3617679** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 989 | 50.0 | 1000 | 0 | 98.9 | 80 | 120 | | | |

| Sample ID: **2308A48-001ADUP** | SampType: **DUP** | TestCode: **SM2540C MOD: Total Dissolved Solids** |
|---|---|---|
| Client ID: **624-01** | Batch ID: **77018** | RunNo: **99214** |
| Prep Date: **8/23/2023** | Analysis Date: **8/24/2023** | SeqNo: **3617681** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 2760 | 50.0 | | | | | | 0.545 | 10 | * |

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. |
| B | Analyte detected in the associated Method Blank |
| E | Above Quantitation Range/Estimated Value |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2308A48**

***29-Aug-23***

**Client:** EA Engineering

**Project:** Dominguez Dairy 1

| Sample ID: **MB-77102** | SampType: **MBLK** | TestCode: **SM 4500 Norg C: TKN** | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Client ID: **PBW** | Batch ID: **77102** | RunNo: **99246** | | | | | | | |
| Prep Date: **8/25/2023** | Analysis Date: **8/25/2023** | SeqNo: **3619537** | Units: **mg/L** | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Nitrogen, Kjeldahl, Total | ND | 1.0 | | | | | | | | |

| Sample ID: **LCS-77102** | SampType: **LCS** | TestCode: **SM 4500 Norg C: TKN** | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Client ID: **LCSW** | Batch ID: **77102** | RunNo: **99246** | | | | | | | |
| Prep Date: **8/25/2023** | Analysis Date: **8/25/2023** | SeqNo: **3619538** | Units: **mg/L** | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Nitrogen, Kjeldahl, Total | 9.8 | 1.0 | 10.00 | 0 | 98.0 | 80 | 120 | | | |

| Sample ID: **MB-77103** | SampType: **MBLK** | TestCode: **SM 4500 Norg C: TKN** | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Client ID: **PBW** | Batch ID: **77103** | RunNo: **99271** | | | | | | | |
| Prep Date: **8/25/2023** | Analysis Date: **8/28/2023** | SeqNo: **3621076** | Units: **mg/L** | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Nitrogen, Kjeldahl, Total | ND | 1.0 | | | | | | | | |

| Sample ID: **LCS-77103** | SampType: **LCS** | TestCode: **SM 4500 Norg C: TKN** | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Client ID: **LCSW** | Batch ID: **77103** | RunNo: **99271** | | | | | | | |
| Prep Date: **8/25/2023** | Analysis Date: **8/28/2023** | SeqNo: **3621077** | Units: **mg/L** | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Nitrogen, Kjeldahl, Total | 9.8 | 1.0 | 10.00 | 0 | 98.0 | 80 | 120 | | | |

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. |
| B | Analyte detected in the associated Method Blank |
| E | Above Quantitation Range/Estimated Value |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

HALL ENVIRONMENTAL ANALYSIS LABORATORY

*Hall Environmental Analysis Laboratory*
*4901 Hawkins NE*
*Albuquerque, NM 87109*
*TEL: 505-345-3975 FAX: 505-345-4107*
*Website: www.hallenvironmental.com*

# Sample Log-In Check List

Client Name: EA Engineering | Work Order Number: 2308A48 | RcptNo: 1

Received By: Joseph Alderette 8/18/2023 8:35:00 AM

Completed By: Cheyenne Cason 8/18/2023 10:01:08 AM

Reviewed By: TMC 8/18/23

## Chain of Custody

| | | | |
|---|---|---|---|
| 1. Is Chain of Custody complete? | Yes ☑ | No ☐ | Not Present ☐ |
| 2. How was the sample delivered? | FedEx | | |

## Log In

| | | | |
|---|---|---|---|
| 3. Was an attempt made to cool the samples? | Yes ☑ | No ☐ | NA ☐ |
| 4. Were all samples received at a temperature of >0° C to 6.0°C | Yes ☑ | No ☐ | NA ☐ |
| 5. Sample(s) in proper container(s)? | Yes ☑ | No ☐ | |
| 6. Sufficient sample volume for indicated test(s)? | Yes ☑ | No ☐ | |
| 7. Are samples (except VOA and ONG) properly preserved? | Yes ☑ | No ☐ | |
| 8. Was preservative added to bottles? | Yes ☐ | No ☑ | NA ☐ |
| 9. Received at least 1 vial with headspace <1/4" for AQ VOA? | Yes ☐ | No ☐ | NA ☑ |
| 10. Were any sample containers received broken? | Yes ☐ | No ☑ | |
| 11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) | Yes ☑ | No ☐ | |
| 12. Are matrices correctly identified on Chain of Custody? | Yes ☑ | No ☐ | |
| 13. Is it clear what analyses were requested? | Yes ☑ | No ☐ | |
| 14. Were all holding times able to be met? (If no, notify customer for authorization.) | Yes ☑ | No ☐ | |

# of preserved bottles checked for pH: 3 (<2 or >12 unless noted)

Adjusted? NO

Checked by: TMC 8/18/23

## Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: Date:

By Whom: Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding:

Client Instructions:

16. Additional remarks:

17. **Cooler Information**

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|---|---|---|---|---|---|---|
| 1 | 1.2 | Good | Not Present | Yogi | | |

# Chain-of-Custody Record

Client:

EA Engineering, Science, and Technology

Mailing Address:

320 Gold Ave SW Suite

Phone #: 505-715-4279

email or Fax#: rmullen@eaest.com

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

☐ NELAC ☐ Other_____

☐ EDD (Type) _____

Turn-Around Time:

☑ Standard ☐ **Rush**_____

Project Name:

Dominguez Dairy 1

Project #:

Project Manager:

Gina Mullen

Sampler: Angel N. Rivera

On Ice: ☑ Yes ☐ No

# of Coolers: 1

Cooler Temp(including CF): 1.1 +0.1 = 1.2°C vogi


**HALL ENVIRONMENTAL ANALYSIS LABORATORY**

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107


**Analysis Request**

| Date | Time | Matrix | Sample Name | Container Type and # | Preservative Type | HEAL No. 2308849 | Nitrate/Nitrites EPA Method 300 | TKN SM 4500 NORG C | Chloride EPA 300 | TDS SM 2540 C MOD | Sulfate EPA 300 | | Phosphorus EPA 6010B | Total Sulfur | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8-17 | 12:20 | Gw | 624-01 | 2 | | 001 | X | X | X | X | | | | | | | | | | | | |
| 8-17 | 13:56 | Gw | 624-02 | 2 | | 002 | X | X | X | X | | | | | | | | | | | | |
| 8-17 | 15:37 | Gw | 624-11 | 2 | | 003 | X | X | X | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | |

| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |
|---|---|---|---|---|---|---|
| 8-17 | 17:25 | | | Fedex | 8-18-23 | 8:35 |
| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |
| | | | | | | |

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

*Hall Environmental Analysis Laboratory*
*4901 Hawkins NE*
*Albuquerque, NM 87109*
*TEL: 505-345-3975 FAX: 505-345-4107*
*Website: www.hallenvironmental.com*

August 29, 2023

Regina Mullen

EA Engineering
320 Gold Ave SW Suite 1210
Albuquerque, NM 87102
TEL:
FAX:

RE: Buena Vista Dairy 2 OrderNo.: 2308A97

Dear Regina Mullen:

Hall Environmental Analysis Laboratory received 3 sample(s) on 8/19/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman

Laboratory Manager

4901 Hawkins NE
Albuquerque, NM 87109

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering
**Client Sample ID:** 74-03
**Project:** Buena Vista Dairy 2
**Collection Date:** 8/18/2023 11:08:00 AM
**Lab ID:** 2308A97-001
**Matrix:** GROUNDWA
**Received Date:** 8/19/2023 12:00:00 PM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **JMT** | |
| Chloride | 210 | 50 | | mg/L | 100 | 8/22/2023 10:12:44 PM | R99154 |
| Nitrate+Nitrite as N | ND | 1.0 | | mg/L | 5 | 8/23/2023 4:00:11 AM | R99154 |
| **SM2540C MOD: TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **MCA** | |
| Total Dissolved Solids | 1260 | 100 | *D | mg/L | 1 | 8/24/2023 3:17:00 PM | 77018 |
| **SM 4500 NORG C: TKN** | | | | | | Analyst: **DML** | |
| Nitrogen, Kjeldahl, Total | ND | 1.0 | | mg/L | 1 | 8/28/2023 9:33:00 AM | 77103 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering
**Client Sample ID:** 74-02
**Project:** Buena Vista Dairy 2
**Collection Date:** 8/18/2023 12:36:00 PM
**Lab ID:** 2308A97-002
**Matrix:** GROUNDWA
**Received Date:** 8/19/2023 12:00:00 PM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **JMT** | |
| Chloride | 650 | 50 | * | mg/L | 100 | 8/22/2023 10:37:34 PM | R99154 |
| Nitrate+Nitrite as N | ND | 1.0 | | mg/L | 5 | 8/23/2023 4:12:36 AM | R99154 |
| **SM2540C MOD: TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **MCA** | |
| Total Dissolved Solids | 2540 | 100 | *D | mg/L | 1 | 8/24/2023 3:17:00 PM | 77018 |
| **SM 4500 NORG C: TKN** | | | | | | Analyst: **DML** | |
| Nitrogen, Kjeldahl, Total | 1.4 | 1.0 | | mg/L | 1 | 8/28/2023 9:33:00 AM | 77103 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering
**Client Sample ID:** 74-01
**Project:** Buena Vista Dairy 2
**Collection Date:** 8/18/2023 3:25:00 PM
**Lab ID:** 2308A97-003
**Matrix:** GROUNDWA
**Received Date:** 8/19/2023 12:00:00 PM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **JMT** | |
| Chloride | 790 | 50 | * | mg/L | 100 | 8/22/2023 11:02:23 PM | R99154 |
| Nitrate+Nitrite as N | 31 | 1.0 | * | mg/L | 5 | 8/23/2023 4:25:00 AM | R99154 |
| **SM2540C MOD: TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **MCA** | |
| Total Dissolved Solids | 2830 | 50.0 | * | mg/L | 1 | 8/24/2023 3:17:00 PM | 77018 |
| **SM 4500 NORG C: TKN** | | | | | | Analyst: **DML** | |
| Nitrogen, Kjeldahl, Total | ND | 5.0 | D | mg/L | 1 | 8/25/2023 1:58:00 PM | 77102 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2308A97**

***29-Aug-23***

**Client:** EA Engineering

**Project:** Buena Vista Dairy 2

| Sample ID: **MB** | SampType: **mblk** | TestCode: **EPA Method 300.0: Anions** |
|---|---|---|
| Client ID: **PBW** | Batch ID: **R99154** | RunNo: **99154** |
| Prep Date: | Analysis Date: **8/22/2023** | SeqNo: **3615050** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | ND | 0.50 | | | | | | | | |
| Nitrate+Nitrite as N | ND | 0.20 | | | | | | | | |

| Sample ID: **LCS** | SampType: **lcs** | TestCode: **EPA Method 300.0: Anions** |
|---|---|---|
| Client ID: **LCSW** | Batch ID: **R99154** | RunNo: **99154** |
| Prep Date: | Analysis Date: **8/22/2023** | SeqNo: **3615051** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 4.6 | 0.50 | 5.000 | 0 | 93.0 | 90 | 110 | | | |
| Nitrate+Nitrite as N | 3.4 | 0.20 | 3.500 | 0 | 98.4 | 90 | 110 | | | |

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. |
| B | Analyte detected in the associated Method Blank |
| E | Above Quantitation Range/Estimated Value |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2308A97**

***29-Aug-23***

**Client:** EA Engineering

**Project:** Buena Vista Dairy 2

| Sample ID: **MB-77018** | SampType: **MBLK** | TestCode: **SM2540C MOD: Total Dissolved Solids** |
|---|---|---|
| Client ID: **PBW** | Batch ID: **77018** | RunNo: **99214** |
| Prep Date: **8/23/2023** | Analysis Date: **8/24/2023** | SeqNo: **3617678** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | ND | 50.0 | | | | | | | | |

| Sample ID: **LCS-77018** | SampType: **LCS** | TestCode: **SM2540C MOD: Total Dissolved Solids** |
|---|---|---|
| Client ID: **LCSW** | Batch ID: **77018** | RunNo: **99214** |
| Prep Date: **8/23/2023** | Analysis Date: **8/24/2023** | SeqNo: **3617679** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 989 | 50.0 | 1000 | 0 | 98.9 | 80 | 120 | | | |

| Sample ID: **2308A97-003ADUP** | SampType: **DUP** | TestCode: **SM2540C MOD: Total Dissolved Solids** |
|---|---|---|
| Client ID: **74-01** | Batch ID: **77018** | RunNo: **99214** |
| Prep Date: **8/23/2023** | Analysis Date: **8/24/2023** | SeqNo: **3617692** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 2870 | 50.0 | | | | | | 1.26 | 10 | * |

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. |
| B | Analyte detected in the associated Method Blank |
| E | Above Quantitation Range/Estimated Value |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2308A97**

***29-Aug-23***

**Client:** EA Engineering

**Project:** Buena Vista Dairy 2

| Sample ID: **MB-77102** | SampType: **MBLK** | TestCode: **SM 4500 Norg C: TKN** | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Client ID: **PBW** | Batch ID: **77102** | RunNo: **99246** | | | | | | | |
| Prep Date: **8/25/2023** | Analysis Date: **8/25/2023** | SeqNo: **3619537** | Units: **mg/L** | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Nitrogen, Kjeldahl, Total | ND | 1.0 | | | | | | | | |

| Sample ID: **LCS-77102** | SampType: **LCS** | TestCode: **SM 4500 Norg C: TKN** | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Client ID: **LCSW** | Batch ID: **77102** | RunNo: **99246** | | | | | | | |
| Prep Date: **8/25/2023** | Analysis Date: **8/25/2023** | SeqNo: **3619538** | Units: **mg/L** | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Nitrogen, Kjeldahl, Total | 9.8 | 1.0 | 10.00 | 0 | 98.0 | 80 | 120 | | | |

| Sample ID: **MB-77103** | SampType: **MBLK** | TestCode: **SM 4500 Norg C: TKN** | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Client ID: **PBW** | Batch ID: **77103** | RunNo: **99271** | | | | | | | |
| Prep Date: **8/25/2023** | Analysis Date: **8/28/2023** | SeqNo: **3621076** | Units: **mg/L** | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Nitrogen, Kjeldahl, Total | ND | 1.0 | | | | | | | | |

| Sample ID: **LCS-77103** | SampType: **LCS** | TestCode: **SM 4500 Norg C: TKN** | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Client ID: **LCSW** | Batch ID: **77103** | RunNo: **99271** | | | | | | | |
| Prep Date: **8/25/2023** | Analysis Date: **8/28/2023** | SeqNo: **3621077** | Units: **mg/L** | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Nitrogen, Kjeldahl, Total | 9.8 | 1.0 | 10.00 | 0 | 98.0 | 80 | 120 | | | |

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

HALL ENVIRONMENTAL ANALYSIS LABORATORY

*Hall Environmental Analysis Laboratory*
*4901 Hawkins NE*
*Albuquerque, NM 87109*
*TEL: 505-345-3975 FAX: 505-345-4107*
*Website: www.hallenvironmental.com*

# Sample Log-In Check List

Client Name: EA Engineering | Work Order Number: 2308A97 | RcptNo: 1

Received By: Tracy Casarrubias 8/19/2023 12:00:00 PM

Completed By: Tracy Casarrubias 8/19/2023 1:11:30 PM

Reviewed By: TM 8/21/23

## Chain of Custody

| | | | |
|---|---|---|---|
| 1. Is Chain of Custody complete? | Yes ☑ | No ☐ | Not Present ☐ |
| 2. How was the sample delivered? | FedEx | | |

## Log In

| | | | |
|---|---|---|---|
| 3. Was an attempt made to cool the samples? | Yes ☑ | No ☐ | NA ☐ |
| 4. Were all samples received at a temperature of >0° C to 6.0°C | Yes ☐ | No ☑ | NA ☐ |
| | Samples not Frozen | | |
| 5. Sample(s) in proper container(s)? | Yes ☑ | No ☐ | |
| 6. Sufficient sample volume for indicated test(s)? | Yes ☑ | No ☐ | |
| 7. Are samples (except VOA and ONG) properly preserved? | Yes ☑ | No ☐ | |
| 8. Was preservative added to bottles? | Yes ☐ | No ☑ | NA ☐ |
| 9. Received at least 1 vial with headspace <1/4" for AQ VOA? | Yes ☐ | No ☐ | NA ☑ |
| 10. Were any sample containers received broken? | Yes ☐ | No ☑ | |
| 11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) | Yes ☑ | No ☐ | # of preserved bottles checked for pH: 3 (<2 or >12 unless noted) |
| 12. Are matrices correctly identified on Chain of Custody? | Yes ☑ | No ☐ | Adjusted? NO |
| 13. Is it clear what analyses were requested? | Yes ☑ | No ☐ | |
| 14. Were all holding times able to be met? (If no, notify customer for authorization.) | Yes ☑ | No ☐ | Checked by: SCM 8/21/23 |

## Special Handling (if applicable)

| | | | |
|---|---|---|---|
| 15. Was client notified of all discrepancies with this order? | Yes ☐ | No ☐ | NA ☑ |

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. **Cooler Information**

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|---|---|---|---|---|---|---|
| 1 | -1.2 | Good | Not Present | Yogi | | |

# Chain-of-Custody Record

Client:

EA Engineering, Science, and Technology

Mailing Address:

320 Gold Ave SW Suite

Phone #: 505-715-4279

email or Fax#: rmullen@eaest.com

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

☐ NELAC ☐ Other_____

☐ EDD (Type) _____

Turn-Around Time:

☑ Standard ☐ Rush_____

Project Name:

Buena Vista Dairy 2

Project #:

Project Manager:

Gina Mullen

Sampler: Angel N. Rivera

On Ice: ☑ Yes ☐ No 4oqi

# of Coolers: 1

Cooler Temp (including CF): -1.3 +0.1 = -1.2 C


**HALL ENVIRONMENTAL ANALYSIS LABORATORY**

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107


**Analysis Request**

| Date | Time | Matrix | Sample Name | Container Type and # | Preservative Type | HEAL No. 2308497 | Nitrate/Nitrites EPA Method 300.0 | TKN SM 4500 NORG C | Chloride EPA 300 | TDS SM 2540 C MOD | Sulfate EPA 300 | | Phosphorus EPA 6010B | Total Sulfur | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8-18 | 11:18 | Gw | 74-03 | 2 | | 001 | X | X | X | X | | | | | | | | | | |
| 8-18 | 12:36 | Gw | 74-02 | 2 | | 002 | X | X | X | X | | | | | | | | | | |
| 8-18 | 15:25 | Gw | 74-01 | 2 | | 003 | X | X | X | X | | | | | | | | | | |

| Date | Time | Relinquished by: | Received by: | Via: | Date | Time |
|---|---|---|---|---|---|---|
| 8-18 | 17:00 | | | FedEx | | |
| | | | | | 8/19/23 | 12:00 |
| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

*Hall Environmental Analysis Laboratory*
*4901 Hawkins NE*
*Albuquerque, NM 87109*
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*Website: www.hallenvironmental.com*

August 29, 2023

Regina Mullen

EA Engineering
320 Gold Ave SW Suite 1210
Albuquerque, NM 87102
TEL:
FAX:

RE: Big Sky Dairy OrderNo.: 2308B47

Dear Regina Mullen:

Hall Environmental Analysis Laboratory received 1 sample(s) on 8/21/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman

Laboratory Manager

4901 Hawkins NE
Albuquerque, NM 87109

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering
**Client Sample ID:** 833-06
**Project:** Big Sky Dairy
**Collection Date:** 8/21/2023 3:50:00 PM
**Lab ID:** 2308B47-001
**Matrix:** GROUNDWA
**Received Date:** 8/21/2023 3:50:00 PM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **SNS** | |
| Chloride | 790 | 50 | * | mg/L | 100 | 8/22/2023 2:26:07 PM | R99152 |
| Nitrogen, Nitrite (As N) | ND | 1.0 | | mg/L | 10 | 8/22/2023 1:47:31 PM | R99152 |
| Nitrogen, Nitrate (As N) | 14 | 1.0 | * | mg/L | 10 | 8/22/2023 1:47:31 PM | R99152 |
| Sulfate | 420 | 50 | * | mg/L | 100 | 8/22/2023 2:26:07 PM | R99152 |
| **SM2540C MOD: TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **MCA** | |
| Total Dissolved Solids | 2500 | 50.0 | * | mg/L | 1 | 8/24/2023 3:17:00 PM | 77018 |
| **SM 4500 NORG C: TKN** | | | | | | Analyst: **DML** | |
| Nitrogen, Kjeldahl, Total | ND | 2.0 | D | mg/L | 1 | 8/25/2023 1:58:00 PM | 77102 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2308B47**

***29-Aug-23***

**Client:** EA Engineering

**Project:** Big Sky Dairy

| Sample ID: **MB** | SampType: **MBLK** | TestCode: **EPA Method 300.0: Anions** |
|---|---|---|
| Client ID: **PBW** | Batch ID: **R99152** | RunNo: **99152** |
| Prep Date: | Analysis Date: **8/22/2023** | SeqNo: **3614955** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | ND | 0.50 | | | | | | | | |
| Nitrogen, Nitrite (As N) | ND | 0.10 | | | | | | | | |
| Nitrogen, Nitrate (As N) | ND | 0.10 | | | | | | | | |
| Sulfate | ND | 0.50 | | | | | | | | |

| Sample ID: **LCS** | SampType: **LCS** | TestCode: **EPA Method 300.0: Anions** |
|---|---|---|
| Client ID: **LCSW** | Batch ID: **R99152** | RunNo: **99152** |
| Prep Date: | Analysis Date: **8/22/2023** | SeqNo: **3614956** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 4.6 | 0.50 | 5.000 | 0 | 92.8 | 90 | 110 | | | |
| Nitrogen, Nitrite (As N) | 0.96 | 0.10 | 1.000 | 0 | 96.3 | 90 | 110 | | | |
| Nitrogen, Nitrate (As N) | 2.5 | 0.10 | 2.500 | 0 | 102 | 90 | 110 | | | |
| Sulfate | 9.7 | 0.50 | 10.00 | 0 | 97.1 | 90 | 110 | | | |

| Sample ID: **2308B47-001AMS** | SampType: **MS** | TestCode: **EPA Method 300.0: Anions** |
|---|---|---|
| Client ID: **833-06** | Batch ID: **R99152** | RunNo: **99152** |
| Prep Date: | Analysis Date: **8/22/2023** | SeqNo: **3614966** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Nitrogen, Nitrite (As N) | 8.7 | 1.0 | 10.00 | 0 | 86.9 | 80 | 120 | | | |
| Nitrogen, Nitrate (As N) | 40 | 1.0 | 25.00 | 14.07 | 104 | 80 | 120 | | | |

| Sample ID: **2308B47-001AMSD** | SampType: **MSD** | TestCode: **EPA Method 300.0: Anions** |
|---|---|---|
| Client ID: **833-06** | Batch ID: **R99152** | RunNo: **99152** |
| Prep Date: | Analysis Date: **8/22/2023** | SeqNo: **3614967** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Nitrogen, Nitrite (As N) | 8.6 | 1.0 | 10.00 | 0 | 85.6 | 80 | 120 | 1.46 | 20 | |
| Nitrogen, Nitrate (As N) | 40 | 1.0 | 25.00 | 14.07 | 102 | 80 | 120 | 1.25 | 20 | |

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2308B47**

***29-Aug-23***

**Client:** EA Engineering

**Project:** Big Sky Dairy

| Sample ID: **MB-77018** | SampType: **MBLK** | TestCode: **SM2540C MOD: Total Dissolved Solids** |
|---|---|---|
| Client ID: **PBW** | Batch ID: **77018** | RunNo: **99214** |
| Prep Date: **8/23/2023** | Analysis Date: **8/24/2023** | SeqNo: **3617678** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | ND | 50.0 | | | | | | | | |

| Sample ID: **LCS-77018** | SampType: **LCS** | TestCode: **SM2540C MOD: Total Dissolved Solids** |
|---|---|---|
| Client ID: **LCSW** | Batch ID: **77018** | RunNo: **99214** |
| Prep Date: **8/23/2023** | Analysis Date: **8/24/2023** | SeqNo: **3617679** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 989 | 50.0 | 1000 | 0 | 98.9 | 80 | 120 | | | |

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. |
| B | Analyte detected in the associated Method Blank |
| E | Above Quantitation Range/Estimated Value |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2308B47**

***29-Aug-23***

**Client:** EA Engineering

**Project:** Big Sky Dairy

| Sample ID: **MB-77102** | SampType: **MBLK** | TestCode: **SM 4500 Norg C: TKN** |
|---|---|---|
| Client ID: **PBW** | Batch ID: **77102** | RunNo: **99246** |
| Prep Date: **8/25/2023** | Analysis Date: **8/25/2023** | SeqNo: **3619537** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Nitrogen, Kjeldahl, Total | ND | 1.0 | | | | | | | | |

| Sample ID: **LCS-77102** | SampType: **LCS** | TestCode: **SM 4500 Norg C: TKN** |
|---|---|---|
| Client ID: **LCSW** | Batch ID: **77102** | RunNo: **99246** |
| Prep Date: **8/25/2023** | Analysis Date: **8/25/2023** | SeqNo: **3619538** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Nitrogen, Kjeldahl, Total | 9.8 | 1.0 | 10.00 | 0 | 98.0 | 80 | 120 | | | |

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. |
| B | Analyte detected in the associated Method Blank |
| E | Above Quantitation Range/Estimated Value |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

HALL ENVIRONMENTAL ANALYSIS LABORATORY

*Hall Environmental Analysis Laboratory*
*4901 Hawkins NE*
*Albuquerque, NM 87109*
*TEL: 505-345-3975 FAX: 505-345-4107*
*Website: www.hallenvironmental.com*

# Sample Log-In Check List

Client Name: EA Engineering | Work Order Number: 2308B47 | RcptNo: 1

Received By: Juan Rojas 8/21/2023 3:50:00 PM

Completed By: Desiree Dominguez 8/22/2023 8:41:55 AM

Reviewed By: 1n 8/22/23

## Chain of Custody

| | | | |
|---|---|---|---|
| 1. Is Chain of Custody complete? | Yes ☑ | No ☐ | Not Present ☐ |
| 2. How was the sample delivered? | FedEx | | |

## Log In

| | | | |
|---|---|---|---|
| 3. Was an attempt made to cool the samples? | Yes ☑ | No ☐ | NA ☐ |
| 4. Were all samples received at a temperature of >0° C to 6.0°C | Yes ☑ | No ☐ | NA ☐ |
| 5. Sample(s) in proper container(s)? | Yes ☑ | No ☐ | |
| 6. Sufficient sample volume for indicated test(s)? | Yes ☑ | No ☐ | |
| 7. Are samples (except VOA and ONG) properly preserved? | Yes ☑ | No ☐ | |
| 8. Was preservative added to bottles? | Yes ☐ | No ☑ | NA ☐ |
| 9. Received at least 1 vial with headspace <1/4" for AQ VOA? | Yes ☐ | No ☐ | NA ☑ |
| 10. Were any sample containers received broken? | Yes ☐ | No ☑ | |
| 11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) | Yes ☑ | No ☐ | |
| 12. Are matrices correctly identified on Chain of Custody? | Yes ☑ | No ☐ | |
| 13. Is it clear what analyses were requested? | Yes ☑ | No ☐ | |
| 14. Were all holding times able to be met? (If no, notify customer for authorization.) | Yes ☑ | No ☐ | |

# of preserved bottles checked for pH: 1 (<2 or >12 unless noted)

Adjusted? NO

Checked by: SCM 8/22/23

## Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: Date:

By Whom: Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding:

Client Instructions:

16. Additional remarks:

17. **Cooler Information**

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|---|---|---|---|---|---|---|
| 1 | 0.9 | Good | Yes | Yogi | | |

# Chain-of-Custody Record

Client:
EA Engineering, Science, and Technology

Mailing Address:
320 Gold Ave SW Suite

Phone #: 505-715-4279

email or Fax#: rmullen@eaest.com

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other
☐ EDD (Type)

Turn-Around Time:
☑ Standard ☐ Rush

Project Name:
Big Sky Dairy

Project #:

Project Manager:
Gina Mullen

Sampler: Angel N.Rivera
On Ice: ☑ Yes ☐ No
# of Coolers: 1 4091
Cooler Temp(including CF): 0.7-0=0.9


HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107


| Date | Time | Matrix | Sample Name | Container Type and # | Preservative Type | HEAL No. 2308B47 | Analysis Request: Nitrate/Nitrites EPA Method 300.0 | TKN SM 4500 NORG C | Chloride EPA 300 | TDS SM 2540 C MOD | Sulfate EPA 300 | Phosphorus EPA 6010B | Total Sulfur |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8-21 | 15:50 | GW | 833-06 | 2 | | -001 | X | X | X | X | X | | |

| Date: | Time: | Relinquished by: |
|---|---|---|
| 8-21 | 17:48 | |
| Date: | Time: | Relinquished by: |

| Received by: | Via: | Date | Time |
|---|---|---|---|
| | FedEx | 8/22/23 | 8:25 |
| Received by: | Via: | Date | Time |

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

*Hall Environmental Analysis Laboratory*
*4901 Hawkins NE*
*Albuquerque, NM 87109*
*TEL: 505-345-3975 FAX: 505-345-4107*
*Website: www.hallenvironmental.com*

August 29, 2023

Regina Mullen

EA Engineering
320 Gold Ave SW Suite 1210
Albuquerque, NM 87102
TEL:
FAX:

RE: Buena Vista Dairy 2 OrderNo.: 2308B50

Dear Regina Mullen:

Hall Environmental Analysis Laboratory received 2 sample(s) on 8/22/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman

Laboratory Manager

4901 Hawkins NE
Albuquerque, NM 87109

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering
**Client Sample ID:** 74-04
**Project:** Buena Vista Dairy 2
**Collection Date:** 8/21/2023 11:05:00 AM
**Lab ID:** 2308B50-001
**Matrix:** GROUNDWA
**Received Date:** 8/22/2023 8:25:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **SNS** | |
| Chloride | 640 | 50 | * | mg/L | 100 | 8/22/2023 2:51:50 PM | R99152 |
| Nitrogen, Nitrite (As N) | ND | 1.0 | | mg/L | 10 | 8/22/2023 2:38:58 PM | R99152 |
| Nitrogen, Nitrate (As N) | 13 | 1.0 | * | mg/L | 10 | 8/22/2023 2:38:58 PM | R99152 |
| **SM2540C MOD: TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **MCA** | |
| Total Dissolved Solids | 2160 | 100 | *D | mg/L | 1 | 8/28/2023 8:28:00 AM | 77066 |
| **SM 4500 NORG C: TKN** | | | | | | Analyst: **DML** | |
| Nitrogen, Kjeldahl, Total | ND | 2.0 | D | mg/L | 1 | 8/28/2023 3:58:00 PM | 77119 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering
**Client Sample ID:** 74-05
**Project:** Buena Vista Dairy 2
**Collection Date:** 8/21/2023 12:50:00 PM
**Lab ID:** 2308B50-002
**Matrix:** GROUNDWA
**Received Date:** 8/22/2023 8:25:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **SNS** | |
| Chloride | 620 | 50 | * | mg/L | 100 | 8/22/2023 3:17:33 PM | R99152 |
| Nitrogen, Nitrite (As N) | ND | 1.0 | | mg/L | 10 | 8/22/2023 3:04:41 PM | R99152 |
| Nitrogen, Nitrate (As N) | 16 | 1.0 | * | mg/L | 10 | 8/22/2023 3:04:41 PM | R99152 |
| **SM2540C MOD: TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **MCA** | |
| Total Dissolved Solids | 2250 | 50.0 | * | mg/L | 1 | 8/28/2023 8:28:00 AM | 77066 |
| **SM 4500 NORG C: TKN** | | | | | | Analyst: **DML** | |
| Nitrogen, Kjeldahl, Total | ND | 2.0 | D | mg/L | 1 | 8/28/2023 3:58:00 PM | 77119 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2308B50**

***29-Aug-23***

**Client:** EA Engineering

**Project:** Buena Vista Dairy 2

| Sample ID: **MB** | SampType: **MBLK** | TestCode: **EPA Method 300.0: Anions** |
|---|---|---|
| Client ID: **PBW** | Batch ID: **R99152** | RunNo: **99152** |
| Prep Date: | Analysis Date: **8/22/2023** | SeqNo: **3614955** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | ND | 0.50 | | | | | | | | |
| Nitrogen, Nitrite (As N) | ND | 0.10 | | | | | | | | |
| Nitrogen, Nitrate (As N) | ND | 0.10 | | | | | | | | |

| Sample ID: **LCS** | SampType: **LCS** | TestCode: **EPA Method 300.0: Anions** |
|---|---|---|
| Client ID: **LCSW** | Batch ID: **R99152** | RunNo: **99152** |
| Prep Date: | Analysis Date: **8/22/2023** | SeqNo: **3614956** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 4.6 | 0.50 | 5.000 | 0 | 92.8 | 90 | 110 | | | |
| Nitrogen, Nitrite (As N) | 0.96 | 0.10 | 1.000 | 0 | 96.3 | 90 | 110 | | | |
| Nitrogen, Nitrate (As N) | 2.5 | 0.10 | 2.500 | 0 | 102 | 90 | 110 | | | |

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. |
| B | Analyte detected in the associated Method Blank |
| E | Above Quantitation Range/Estimated Value |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2308B50**

***29-Aug-23***

**Client:** EA Engineering

**Project:** Buena Vista Dairy 2

| Sample ID: **MB-77066** | SampType: **MBLK** | TestCode: **SM2540C MOD: Total Dissolved Solids** |
|---|---|---|
| Client ID: **PBW** | Batch ID: **77066** | RunNo: **99261** |
| Prep Date: **8/24/2023** | Analysis Date: **8/28/2023** | SeqNo: **3620360** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | ND | 50.0 | | | | | | | | |

| Sample ID: **LCS-77066** | SampType: **LCS** | TestCode: **SM2540C MOD: Total Dissolved Solids** |
|---|---|---|
| Client ID: **LCSW** | Batch ID: **77066** | RunNo: **99261** |
| Prep Date: **8/24/2023** | Analysis Date: **8/28/2023** | SeqNo: **3620361** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 990 | 50.0 | 1000 | 0 | 99.0 | 80 | 120 | | | |

| Sample ID: **2308B50-002ADUP** | SampType: **DUP** | TestCode: **SM2540C MOD: Total Dissolved Solids** |
|---|---|---|
| Client ID: **74-05** | Batch ID: **77066** | RunNo: **99261** |
| Prep Date: **8/24/2023** | Analysis Date: **8/28/2023** | SeqNo: **3620364** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 2250 | 50.0 | | | | | | 0.178 | 10 | * |

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. |
| B | Analyte detected in the associated Method Blank |
| E | Above Quantitation Range/Estimated Value |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2308B50**

***29-Aug-23***

**Client:** EA Engineering

**Project:** Buena Vista Dairy 2

| Sample ID: **MB-77119** | SampType: **MBLK** | TestCode: **SM 4500 Norg C: TKN** |
|---|---|---|
| Client ID: **PBW** | Batch ID: **77119** | RunNo: **99285** |
| Prep Date: **8/28/2023** | Analysis Date: **8/28/2023** | SeqNo: **3621599** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Nitrogen, Kjeldahl, Total | ND | 1.0 | | | | | | | | |

| Sample ID: **LCS-77119** | SampType: **LCS** | TestCode: **SM 4500 Norg C: TKN** |
|---|---|---|
| Client ID: **LCSW** | Batch ID: **77119** | RunNo: **99285** |
| Prep Date: **8/28/2023** | Analysis Date: **8/28/2023** | SeqNo: **3621600** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Nitrogen, Kjeldahl, Total | 10 | 1.0 | 10.00 | 0 | 101 | 80 | 120 | | | |

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. |
| B | Analyte detected in the associated Method Blank |
| E | Above Quantitation Range/Estimated Value |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

HALL ENVIRONMENTAL ANALYSIS LABORATORY

*Hall Environmental Analysis Laboratory*
*4901 Hawkins NE*
*Albuquerque, NM 87109*
*TEL: 505-345-3975 FAX: 505-345-4107*
*Website: www.hallenvironmental.com*

# Sample Log-In Check List

Client Name: EA Engineering | Work Order Number: 2308B50 | RcptNo: 1

Received By: Juan Rojas 8/22/2023 8:25:00 AM

Completed By: Desiree Dominguez 8/22/2023 8:51:41 AM

Reviewed By: JR 8/22/23

## Chain of Custody

| | | | |
|---|---|---|---|
| 1. Is Chain of Custody complete? | Yes ☑ | No ☐ | Not Present ☐ |
| 2. How was the sample delivered? | FedEx | | |

## Log In

| | | | |
|---|---|---|---|
| 3. Was an attempt made to cool the samples? | Yes ☑ | No ☐ | NA ☐ |
| 4. Were all samples received at a temperature of >0° C to 6.0°C | Yes ☑ | No ☐ | NA ☐ |
| 5. Sample(s) in proper container(s)? | Yes ☑ | No ☐ | |
| 6. Sufficient sample volume for indicated test(s)? | Yes ☑ | No ☐ | |
| 7. Are samples (except VOA and ONG) properly preserved? | Yes ☑ | No ☐ | |
| 8. Was preservative added to bottles? | Yes ☐ | No ☑ | NA ☐ |
| 9. Received at least 1 vial with headspace <1/4" for AQ VOA? | Yes ☐ | No ☐ | NA ☑ |
| 10. Were any sample containers received broken? | Yes ☐ | No ☑ | |
| 11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) | Yes ☑ | No ☐ | |
| 12. Are matrices correctly identified on Chain of Custody? | Yes ☑ | No ☐ | |
| 13. Is it clear what analyses were requested? | Yes ☑ | No ☐ | |
| 14. Were all holding times able to be met? (If no, notify customer for authorization.) | Yes ☑ | No ☐ | |

# of preserved bottles checked for pH: 2

(<2 or >12 unless noted)

Adjusted? NO

Checked by: SCM 8/22/23

## Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: Date:

By Whom: Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding:

Client Instructions:

16. Additional remarks:

17. **Cooler Information**

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|---|---|---|---|---|---|---|
| 1 | 0.9 | Good | Yes | Yogi | | |

# Chain-of-Custody Record

Client: EA Engineering, Science, and Technology

Mailing Address: 320 Gold Ave SW Suite

Phone #: 505-715-4279

email or Fax#: rmullen@eaest.com

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other_____

☐ EDD (Type) _____

Turn-Around Time:
☑ Standard ☐ Rush_____

Project Name: Buena Vista Dairy 2

Project #:

Project Manager: Gina Mullen

Sampler: Angel N. Rivera

On Ice: ☑ Yes ☐ No

# of Coolers: 1 Yog

Cooler Temp(including CF): 0.4-0=0.9


**HALL ENVIRONMENTAL ANALYSIS LABORATORY**

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107


**Analysis Request**

| Date | Time | Matrix | Sample Name | Container Type and # | Preservative Type | HEAL No. 2308350 | Nitrate/Nitrites EPA Method 300.0 | TKN SM 4500 NORG C | Chloride EPA 300 | TDS SM 2540 C MOD | Sulfate EPA 300 | | Phosphorus EPA 6010B | Total Sulfur | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8-21 | 11:05 | Gw | 74-04 | 2 | | -001 | X | X | X | X | | | | | | | | | | | |
| 8-21 | 12:30 | Gw | 74-05 | 2 | | -002 | X | X | X | X | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | | | | | |

| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |
|---|---|---|---|---|---|---|
| 8-21 | 17:48 | | | FedEx | 8/22/23 | 8:75 |
| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

*Hall Environmental Analysis Laboratory*
*4901 Hawkins NE*
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*Website: www.hallenvironmental.com*

August 31, 2023

Regina Mullen

EA Engineering
320 Gold Ave SW Suite 1210
Albuquerque, NM 87102
TEL:
FAX:

RE: Big Sky Dairy OrderNo.: 2308C59

Dear Regina Mullen:

Hall Environmental Analysis Laboratory received 3 sample(s) on 8/23/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman

Laboratory Manager

4901 Hawkins NE
Albuquerque, NM 87109

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering
**Client Sample ID:** 833-04
**Project:** Big Sky Dairy
**Collection Date:** 8/22/2023 10:38:00 AM
**Lab ID:** 2308C59-001
**Matrix:** GROUNDWA
**Received Date:** 8/23/2023 8:35:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **SNS** | |
| Chloride | 900 | 50 | * | mg/L | 100 | 8/23/2023 8:58:46 PM | R99202 |
| Nitrogen, Nitrite (As N) | ND | 1.0 | | mg/L | 10 | 8/23/2023 8:46:21 PM | R99202 |
| Nitrogen, Nitrate (As N) | 37 | 1.0 | * | mg/L | 10 | 8/23/2023 8:46:21 PM | R99202 |
| Sulfate | 520 | 50 | * | mg/L | 100 | 8/23/2023 8:58:46 PM | R99202 |
| **SM2540C MOD: TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **MCA** | |
| Total Dissolved Solids | 2970 | 50.0 | * | mg/L | 1 | 8/29/2023 3:09:00 PM | 77134 |
| **SM 4500 NORG C: TKN** | | | | | | Analyst: **DML** | |
| Nitrogen, Kjeldahl, Total | ND | 5.0 | D | mg/L | 1 | 8/28/2023 4:37:00 PM | 77138 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering
**Client Sample ID:** 833-02
**Project:** Big Sky Dairy
**Collection Date:** 8/22/2023 1:00:00 PM
**Lab ID:** 2308C59-002
**Matrix:** GROUNDWA
**Received Date:** 8/23/2023 8:35:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **SNS** | |
| Chloride | 1400 | 50 | * | mg/L | 100 | 8/23/2023 9:23:36 PM | R99202 |
| Nitrogen, Nitrite (As N) | ND | 1.0 | | mg/L | 10 | 8/23/2023 9:11:11 PM | R99202 |
| Nitrogen, Nitrate (As N) | 40 | 1.0 | * | mg/L | 10 | 8/23/2023 9:11:11 PM | R99202 |
| Sulfate | 700 | 50 | * | mg/L | 100 | 8/23/2023 9:23:36 PM | R99202 |
| **SM2540C MOD: TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **MCA** | |
| Total Dissolved Solids | 3990 | 50.0 | * | mg/L | 1 | 8/29/2023 3:09:00 PM | 77134 |
| **SM 4500 NORG C: TKN** | | | | | | Analyst: **DML** | |
| Nitrogen, Kjeldahl, Total | ND | 5.0 | D | mg/L | 1 | 8/28/2023 4:37:00 PM | 77138 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering
**Client Sample ID:** 833-08
**Project:** Big Sky Dairy
**Collection Date:** 8/22/2023 2:52:00 PM
**Lab ID:** 2308C59-003
**Matrix:** GROUNDWA
**Received Date:** 8/23/2023 8:35:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **SNS** | |
| Chloride | 1000 | 50 | * | mg/L | 100 | 8/23/2023 9:48:25 PM | R99202 |
| Nitrogen, Nitrite (As N) | ND | 1.0 | | mg/L | 10 | 8/23/2023 9:36:01 PM | R99202 |
| Nitrogen, Nitrate (As N) | 67 | 1.0 | * | mg/L | 10 | 8/23/2023 9:36:01 PM | R99202 |
| Sulfate | 460 | 50 | * | mg/L | 100 | 8/23/2023 9:48:25 PM | R99202 |
| **SM2540C MOD: TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **MCA** | |
| Total Dissolved Solids | 3300 | 50.0 | * | mg/L | 1 | 8/29/2023 3:09:00 PM | 77134 |
| **SM 4500 NORG C: TKN** | | | | | | Analyst: **DML** | |
| Nitrogen, Kjeldahl, Total | ND | 5.0 | D | mg/L | 1 | 8/28/2023 4:37:00 PM | 77138 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2308C59**

***31-Aug-23***

**Client:** EA Engineering

**Project:** Big Sky Dairy

| Sample ID: **MB** | SampType: **MBLK** | TestCode: **EPA Method 300.0: Anions** |
|---|---|---|
| Client ID: **PBW** | Batch ID: **R99202** | RunNo: **99202** |
| Prep Date: | Analysis Date: **8/23/2023** | SeqNo: **3617175** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | ND | 0.50 | | | | | | | | |
| Nitrogen, Nitrite (As N) | ND | 0.10 | | | | | | | | |
| Nitrogen, Nitrate (As N) | ND | 0.10 | | | | | | | | |
| Sulfate | ND | 0.50 | | | | | | | | |

| Sample ID: **LCS** | SampType: **LCS** | TestCode: **EPA Method 300.0: Anions** |
|---|---|---|
| Client ID: **LCSW** | Batch ID: **R99202** | RunNo: **99202** |
| Prep Date: | Analysis Date: **8/23/2023** | SeqNo: **3617176** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 4.7 | 0.50 | 5.000 | 0 | 94.6 | 90 | 110 | | | |
| Nitrogen, Nitrite (As N) | 0.99 | 0.10 | 1.000 | 0 | 99.4 | 90 | 110 | | | |
| Nitrogen, Nitrate (As N) | 2.5 | 0.10 | 2.500 | 0 | 100 | 90 | 110 | | | |
| Sulfate | 9.8 | 0.50 | 10.00 | 0 | 98.2 | 90 | 110 | | | |

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. |
| B | Analyte detected in the associated Method Blank |
| E | Above Quantitation Range/Estimated Value |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2308C59**

***31-Aug-23***

**Client:** EA Engineering

**Project:** Big Sky Dairy

| Sample ID: **MB-77134** | SampType: **MBLK** | TestCode: **SM2540C MOD: Total Dissolved Solids** |
|---|---|---|
| Client ID: **PBW** | Batch ID: **77134** | RunNo: **99315** |
| Prep Date: **8/28/2023** | Analysis Date: **8/29/2023** | SeqNo: **3623161** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | ND | 50.0 | | | | | | | | |

| Sample ID: **LCS-77134** | SampType: **LCS** | TestCode: **SM2540C MOD: Total Dissolved Solids** |
|---|---|---|
| Client ID: **LCSW** | Batch ID: **77134** | RunNo: **99315** |
| Prep Date: **8/28/2023** | Analysis Date: **8/29/2023** | SeqNo: **3623162** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 986 | 50.0 | 1000 | 0 | 98.6 | 80 | 120 | | | |

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. |
| B | Analyte detected in the associated Method Blank |
| E | Above Quantitation Range/Estimated Value |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2308C59**

***31-Aug-23***

**Client:** EA Engineering

**Project:** Big Sky Dairy

| Sample ID: **MB-77138** | SampType: **MBLK** | TestCode: **SM 4500 Norg C: TKN** |
|---|---|---|
| Client ID: **PBW** | Batch ID: **77138** | RunNo: **99286** |
| Prep Date: **8/28/2023** | Analysis Date: **8/28/2023** | SeqNo: **3621619** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Nitrogen, Kjeldahl, Total | ND | 1.0 | | | | | | | | |

| Sample ID: **LCS-77138** | SampType: **LCS** | TestCode: **SM 4500 Norg C: TKN** |
|---|---|---|
| Client ID: **LCSW** | Batch ID: **77138** | RunNo: **99286** |
| Prep Date: **8/28/2023** | Analysis Date: **8/28/2023** | SeqNo: **3621620** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Nitrogen, Kjeldahl, Total | 9.8 | 1.0 | 10.00 | 0 | 98.0 | 80 | 120 | | | |

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. |
| B | Analyte detected in the associated Method Blank |
| E | Above Quantitation Range/Estimated Value |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

HALL ENVIRONMENTAL ANALYSIS LABORATORY

*Hall Environmental Analysis Laboratory*
*4901 Hawkins NE*
*Albuquerque, NM 87109*
*TEL: 505-345-3975 FAX: 505-345-4107*
*Website: www.hallenvironmental.com*

# Sample Log-In Check List

Client Name: EA Engineering | Work Order Number: 2308C59 | RcptNo: 1

Received By: Joseph Alderette 8/23/2023 8:35:00 AM

Completed By: Desiree Dominguez 8/23/2023 12:47:08 PM

Reviewed By: SCM 8/23/23

## Chain of Custody

| | | | |
|---|---|---|---|
| 1. Is Chain of Custody complete? | Yes ☑ | No ☐ | Not Present ☐ |
| 2. How was the sample delivered? | FedEx | | |

## Log In

| | | | |
|---|---|---|---|
| 3. Was an attempt made to cool the samples? | Yes ☑ | No ☐ | NA ☐ |
| 4. Were all samples received at a temperature of >0° C to 6.0°C | Yes ☑ | No ☐ | NA ☐ |
| 5. Sample(s) in proper container(s)? | Yes ☑ | No ☐ | |
| 6. Sufficient sample volume for indicated test(s)? | Yes ☑ | No ☐ | |
| 7. Are samples (except VOA and ONG) properly preserved? | Yes ☑ | No ☐ | |
| 8. Was preservative added to bottles? | Yes ☐ | No ☑ | NA ☐ |
| 9. Received at least 1 vial with headspace <1/4" for AQ VOA? | Yes ☐ | No ☐ | NA ☑ |
| 10. Were any sample containers received broken? | Yes ☐ | No ☑ | |
| 11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) | Yes ☑ | No ☐ | |
| 12. Are matrices correctly identified on Chain of Custody? | Yes ☑ | No ☐ | |
| 13. Is it clear what analyses were requested? | Yes ☑ | No ☐ | |
| 14. Were all holding times able to be met? (If no, notify customer for authorization.) | Yes ☑ | No ☐ | |

# of preserved bottles checked for pH: 3 (<2 or >12 unless noted)

Adjusted? NO

Checked by: YN 8/23/23

## Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: Date:

By Whom: Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding:

Client Instructions:

16. Additional remarks:

17. **Cooler Information**

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|---|---|---|---|---|---|---|
| 1 | 4.6 | Good | Yes | Morty | | |

# Chain-of-Custody Record

Client: EA Engineering, Science, and Technology

Mailing Address: 320 Gold Ave SW Suite

Phone #: 505-715-4279

email or Fax#: rmullen@eaest.com

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:

☑ Standard ☐ Rush

Project Name: Big Sky Dairy

Project #:

Project Manager: Gina Mullen

Sampler: Angel N. Rivera

On Ice: ☑ Yes ☐ No

# of Coolers: 1 (4°C)

Cooler Temp (Including CF): 4.7 - 0.1 = 4.6 °C


**HALL ENVIRONMENTAL ANALYSIS LABORATORY**

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107


**Analysis Request**

| Date | Time | Matrix | Sample Name | Container Type and # | Preservative Type | HEAL No. 2308C59 | Nitrate/Nitrites EPA Method 300 | TKN SM 4500 NORG C | Chloride EPA 300 | TDS SM 2540 C MOD | Sulfate EPA 300 | | Phosphorus EPA 6010B | Total Sulfur | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8-22 | 10:38 | Gw | 833-04 | 2 | | -001 | X | X | X | X | X | | | | | | | | | | | |
| 8-22 | 13:00 | Gw | 833-02 | 2 | | -002 | X | X | X | X | X | | | | | | | | | | | |
| 8-22 | 14:52 | Gw | 833-08 | 2 | | -003 | X | X | X | X | X | | | | | | | | | | | |

| Date | Time | Relinquished by: |
|---|---|---|
| 8-22 | 17:00 | |
| | | |

| Received by: | Via: | Date | Time |
|---|---|---|---|
| | Fedex | 8-23-23 | 8:35 |
| | | | |

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

*Hall Environmental Analysis Laboratory*
*4901 Hawkins NE*
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*Website: www.hallenvironmental.com*

September 07, 2023

Regina Mullen

EA Engineering
320 Gold Ave SW Suite 1210
Albuquerque, NM 87102
TEL:
FAX:

RE: Big Sky Dairy OrderNo.: 2308D16

Dear Regina Mullen:

Hall Environmental Analysis Laboratory received 3 sample(s) on 8/24/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman

Laboratory Manager

4901 Hawkins NE
Albuquerque, NM 87109

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering
**Client Sample ID:** 833-07
**Project:** Big Sky Dairy
**Collection Date:** 8/23/2023 12:20:00 PM
**Lab ID:** 2308D16-001
**Matrix:** GROUNDWA
**Received Date:** 8/24/2023 8:45:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **SNS** | |
| Chloride | 1400 | 50 | * | mg/L | 100 | 8/24/2023 6:53:37 PM | R99224 |
| Nitrogen, Nitrite (As N) | ND | 1.0 | | mg/L | 10 | 8/24/2023 6:40:46 PM | R99224 |
| Nitrogen, Nitrate (As N) | 96 | 10 | * | mg/L | 100 | 8/24/2023 6:53:37 PM | R99224 |
| Sulfate | 770 | 50 | * | mg/L | 100 | 8/24/2023 6:53:37 PM | R99224 |
| **SM2540C MOD: TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **MCA** | |
| Total Dissolved Solids | 4620 | 50.0 | * | mg/L | 1 | 8/30/2023 3:10:00 PM | 77166 |
| **SM 4500 NORG C: TKN** | | | | | | Analyst: **DML** | |
| Nitrogen, Kjeldahl, Total | ND | 5.0 | D | mg/L | 1 | 8/31/2023 1:37:00 PM | 77190 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering
**Client Sample ID:** 833-05
**Project:** Big Sky Dairy
**Collection Date:** 8/23/2023 2:30:00 PM
**Lab ID:** 2308D16-002
**Matrix:** GROUNDWA
**Received Date:** 8/24/2023 8:45:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **SNS** | |
| Chloride | 1000 | 50 | * | mg/L | 100 | 8/24/2023 7:19:20 PM | R99224 |
| Nitrogen, Nitrite (As N) | ND | 1.0 | | mg/L | 10 | 8/24/2023 7:06:29 PM | R99224 |
| Nitrogen, Nitrate (As N) | 22 | 1.0 | * | mg/L | 10 | 8/24/2023 7:06:29 PM | R99224 |
| Sulfate | 440 | 50 | * | mg/L | 100 | 8/24/2023 7:19:20 PM | R99224 |
| **SM2540C MOD: TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **MCA** | |
| Total Dissolved Solids | 2960 | 50.0 | * | mg/L | 1 | 8/30/2023 3:10:00 PM | 77166 |
| **SM 4500 NORG C: TKN** | | | | | | Analyst: **DML** | |
| Nitrogen, Kjeldahl, Total | ND | 5.0 | D | mg/L | 1 | 8/31/2023 1:37:00 PM | 77190 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering
**Client Sample ID:** 833-09
**Project:** Big Sky Dairy
**Collection Date:** 8/23/2023 4:00:00 PM
**Lab ID:** 2308D16-003
**Matrix:** GROUNDWA
**Received Date:** 8/24/2023 8:45:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **SNS** | |
| Chloride | 780 | 50 | * | mg/L | 100 | 8/24/2023 7:45:11 PM | R99224 |
| Nitrogen, Nitrite (As N) | ND | 1.0 | | mg/L | 10 | 8/24/2023 7:32:51 PM | R99224 |
| Nitrogen, Nitrate (As N) | 64 | 10 | * | mg/L | 100 | 8/24/2023 7:45:11 PM | R99224 |
| Sulfate | 680 | 50 | * | mg/L | 100 | 8/24/2023 7:45:11 PM | R99224 |
| **SM2540C MOD: TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **MCA** | |
| Total Dissolved Solids | 3560 | 50.0 | * | mg/L | 1 | 8/30/2023 3:10:00 PM | 77166 |
| **SM 4500 NORG C: TKN** | | | | | | Analyst: **DML** | |
| Nitrogen, Kjeldahl, Total | ND | 5.0 | D | mg/L | 1 | 8/31/2023 1:37:00 PM | 77190 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2308D16**

***07-Sep-23***

**Client:** EA Engineering

**Project:** Big Sky Dairy

| Sample ID: **LCS** | SampType: **LCS** | TestCode: **EPA Method 300.0: Anions** |
|---|---|---|
| Client ID: **LCSW** | Batch ID: **R99224** | RunNo: **99224** |
| Prep Date: | Analysis Date: **8/24/2023** | SeqNo: **3618154** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 4.9 | 0.50 | 5.000 | 0 | 97.2 | 90 | 110 | | | |
| Nitrogen, Nitrite (As N) | 1.0 | 0.10 | 1.000 | 0 | 102 | 90 | 110 | | | |
| Nitrogen, Nitrate (As N) | 2.6 | 0.10 | 2.500 | 0 | 104 | 90 | 110 | | | |
| Sulfate | 10 | 0.50 | 10.00 | 0 | 100 | 90 | 110 | | | |

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. |
| B | Analyte detected in the associated Method Blank |
| E | Above Quantitation Range/Estimated Value |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2308D16**

***07-Sep-23***

**Client:** EA Engineering

**Project:** Big Sky Dairy

| Sample ID: **MB-77166** | SampType: **MBLK** | TestCode: **SM2540C MOD: Total Dissolved Solids** |
|---|---|---|
| Client ID: **PBW** | Batch ID: **77166** | RunNo: **99354** |
| Prep Date: **8/29/2023** | Analysis Date: **8/30/2023** | SeqNo: **3625354** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | ND | 50.0 | | | | | | | | |

| Sample ID: **LCS-77166** | SampType: **LCS** | TestCode: **SM2540C MOD: Total Dissolved Solids** |
|---|---|---|
| Client ID: **LCSW** | Batch ID: **77166** | RunNo: **99354** |
| Prep Date: **8/29/2023** | Analysis Date: **8/30/2023** | SeqNo: **3625355** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 1010 | 50.0 | 1000 | 0 | 101 | 80 | 120 | | | |

| Sample ID: **2308D16-001ADUP** | SampType: **DUP** | TestCode: **SM2540C MOD: Total Dissolved Solids** |
|---|---|---|
| Client ID: **833-07** | Batch ID: **77166** | RunNo: **99354** |
| Prep Date: **8/29/2023** | Analysis Date: **8/30/2023** | SeqNo: **3625358** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 4610 | 50.0 | | | | | | 0.390 | 10 | * |

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. |
| B | Analyte detected in the associated Method Blank |
| E | Above Quantitation Range/Estimated Value |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2308D16**

***07-Sep-23***

**Client:** EA Engineering

**Project:** Big Sky Dairy

| Sample ID: **MB-77190** | SampType: **MBLK** | TestCode: **SM 4500 Norg C: TKN** |
|---|---|---|
| Client ID: **PBW** | Batch ID: **77190** | RunNo: **99391** |
| Prep Date: **8/30/2023** | Analysis Date: **8/31/2023** | SeqNo: **3626871** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Nitrogen, Kjeldahl, Total | ND | 1.0 | | | | | | | | |

| Sample ID: **LCS-77190** | SampType: **LCS** | TestCode: **SM 4500 Norg C: TKN** |
|---|---|---|
| Client ID: **LCSW** | Batch ID: **77190** | RunNo: **99391** |
| Prep Date: **8/30/2023** | Analysis Date: **8/31/2023** | SeqNo: **3626872** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Nitrogen, Kjeldahl, Total | 10 | 1.0 | 10.00 | 0 | 101 | 80 | 120 | | | |

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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*Albuquerque, NM 87109*
*TEL: 505-345-3975 FAX: 505-345-4107*
*Website: www.hallenvironmental.com*

# Sample Log-In Check List

Client Name: EA Engineering | Work Order Number: 2308D16 | RcptNo: 1

Received By: Tracy Casarrubias 8/24/2023 8:45:00 AM

Completed By: Tracy Casarrubias 8/24/2023 10:45:36 AM

Reviewed By: JM 8/24/23

## Chain of Custody

| | | | |
|---|---|---|---|
| 1. Is Chain of Custody complete? | Yes ☑ | No ☐ | Not Present ☐ |
| 2. How was the sample delivered? | FedEx | | |

## Log In

| | | | |
|---|---|---|---|
| 3. Was an attempt made to cool the samples? | Yes ☑ | No ☐ | NA ☐ |
| 4. Were all samples received at a temperature of >0° C to 6.0°C | Yes ☑ | No ☐ | NA ☐ |
| 5. Sample(s) in proper container(s)? | Yes ☑ | No ☐ | |
| 6. Sufficient sample volume for indicated test(s)? | Yes ☑ | No ☐ | |
| 7. Are samples (except VOA and ONG) properly preserved? | Yes ☑ | No ☐ | |
| 8. Was preservative added to bottles? | Yes ☐ | No ☑ | NA ☐ |
| 9. Received at least 1 vial with headspace <1/4" for AQ VOA? | Yes ☐ | No ☐ | NA ☑ |
| 10. Were any sample containers received broken? | Yes ☐ | No ☑ | |
| 11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) | Yes ☑ | No ☐ | # of preserved bottles checked for pH: 3 (<2 or >12 unless noted) |
| 12. Are matrices correctly identified on Chain of Custody? | Yes ☑ | No ☐ | Adjusted? No |
| 13. Is it clear what analyses were requested? | Yes ☑ | No ☐ | |
| 14. Were all holding times able to be met? (If no, notify customer for authorization.) | Yes ☑ | No ☐ | Checked by: JM 8-24-23 |

## Special Handling (if applicable)

| | | | |
|---|---|---|---|
| 15. Was client notified of all discrepancies with this order? | Yes ☐ | No ☐ | NA ☑ |

Person Notified: Date:

By Whom: Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding:

Client Instructions:

16. Additional remarks:

17. **Cooler Information**

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|---|---|---|---|---|---|---|
| 1 | 0.8 | Good | Not Present | Morty | | |

# Chain-of-Custody Record

Client:

EA Engineering, Science, and Technology

Mailing Address:

320 Gold Ave SW Suite

Phone #: 505-715-4279

email or Fax#: rmullen@eaest.com

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:

☑ Standard ☐ Rush

Project Name:

Big Sky Dairy

Project #:

Project Manager:

Gina Mullen

Sampler: Angel N. Rivera

On Ice: ☑ Yes ☐ No marty

# of Coolers: 1

Cooler Temp(Including CF): 0.9-0.1=0.8°C


HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107


Analysis Request

| Date | Time | Matrix | Sample Name | Container Type and # | Preservative Type | HEAL No. 2308D16 | Nitrate/Nitrites EPA Method 300 | TKN SM 4500 NORG C | Chloride EPA 300 | TDS SM 2540 C MOD | Sulfate EPA 300 | Phosphorus EPA 6010B | Total Sulfur |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8-23 | 12:20 | Gw | 833-07 | 2 | | 001 | X | X | X | X | X | | |
| 8-23 | 14:30 | Gw | 833-05 | 2 | | 002 | X | X | X | X | X | | |
| 8-23 | 16:00 | Gw | 833-09 | 2 | | 003 | X | X | X | X | X | | |

| Date | Time | Relinquished by: | Received by: | Via: | Date | Time |
|---|---|---|---|---|---|---|
| 8-23 | 18:35 | | | FedEx | | |
| | | | | | 8/24/23 | 8:45 |

| Date | Time | Relinquished by: | Received by: | Via: | Date | Time |
|---|---|---|---|---|---|---|
| | | | | | | |

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

*Hall Environmental Analysis Laboratory*
*4901 Hawkins NE*
*Albuquerque, NM 87109*
*TEL: 505-345-3975 FAX: 505-345-4107*
*Website: www.hallenvironmental.com*

September 13, 2023

Regina Mullen

EA Engineering
320 Gold Ave SW Suite 1210
Albuquerque, NM 87102
TEL:
FAX:

RE: Big Sky Dairy OrderNo.: 2308E11

Dear Regina Mullen:

Hall Environmental Analysis Laboratory received 1 sample(s) on 8/25/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman

Laboratory Manager

4901 Hawkins NE
Albuquerque, NM 87109

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering
**Client Sample ID:** 833-10
**Project:** Big Sky Dairy
**Collection Date:** 8/24/2023 10:10:00 AM
**Lab ID:** 2308E11-001
**Matrix:** GROUNDWA
**Received Date:** 8/25/2023 8:45:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **JTT** | |
| Chloride | 680 | 50 | * | mg/L | 100 | 8/25/2023 11:05:05 AM | R99254 |
| Nitrogen, Nitrite (As N) | ND | 1.0 | | mg/L | 10 | 8/25/2023 10:52:14 AM | R99254 |
| Nitrogen, Nitrate (As N) | 3.4 | 1.0 | | mg/L | 10 | 8/25/2023 10:52:14 AM | R99254 |
| Sulfate | 460 | 50 | * | mg/L | 100 | 8/25/2023 11:05:05 AM | R99254 |
| **SM2540C MOD: TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **KS** | |
| Total Dissolved Solids | 2740 | 50.0 | * | mg/L | 1 | 8/31/2023 3:03:00 PM | 77192 |
| **SM 4500 NORG C: TKN** | | | | | | Analyst: **DML** | |
| Nitrogen, Kjeldahl, Total | 1.3 | 1.0 | | mg/L | 1 | 8/31/2023 1:14:00 PM | 77191 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2308E11**

***13-Sep-23***

**Client:** EA Engineering

**Project:** Big Sky Dairy

| Sample ID: **MB** | SampType: **MBLK** | TestCode: **EPA Method 300.0: Anions** |
|---|---|---|
| Client ID: **PBW** | Batch ID: **R99254** | RunNo: **99254** |
| Prep Date: | Analysis Date: **8/25/2023** | SeqNo: **3619836** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | ND | 0.50 | | | | | | | | |
| Nitrogen, Nitrite (As N) | ND | 0.10 | | | | | | | | |
| Nitrogen, Nitrate (As N) | ND | 0.10 | | | | | | | | |
| Sulfate | ND | 0.50 | | | | | | | | |

| Sample ID: **LCS** | SampType: **LCS** | TestCode: **EPA Method 300.0: Anions** |
|---|---|---|
| Client ID: **LCSW** | Batch ID: **R99254** | RunNo: **99254** |
| Prep Date: | Analysis Date: **8/25/2023** | SeqNo: **3619837** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 4.7 | 0.50 | 5.000 | 0 | 94.1 | 90 | 110 | | | |
| Nitrogen, Nitrite (As N) | 0.97 | 0.10 | 1.000 | 0 | 96.6 | 90 | 110 | | | |
| Nitrogen, Nitrate (As N) | 2.6 | 0.10 | 2.500 | 0 | 104 | 90 | 110 | | | |
| Sulfate | 10 | 0.50 | 10.00 | 0 | 100 | 90 | 110 | | | |

| Sample ID: **LCSD** | SampType: **LCSD** | TestCode: **EPA Method 300.0: Anions** |
|---|---|---|
| Client ID: **LCSS02** | Batch ID: **R99254** | RunNo: **99254** |
| Prep Date: | Analysis Date: **8/25/2023** | SeqNo: **3619847** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 4.6 | 0.50 | 5.000 | 0 | 92.8 | 90 | 110 | 1.42 | 20 | |
| Nitrogen, Nitrite (As N) | 0.96 | 0.10 | 1.000 | 0 | 96.2 | 90 | 110 | 0.446 | 20 | |
| Nitrogen, Nitrate (As N) | 2.6 | 0.10 | 2.500 | 0 | 102 | 90 | 110 | 1.98 | 20 | |
| Sulfate | 9.8 | 0.50 | 10.00 | 0 | 98.5 | 90 | 110 | 1.81 | 20 | |

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. |
| B | Analyte detected in the associated Method Blank |
| E | Above Quantitation Range/Estimated Value |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2308E11**

***13-Sep-23***

**Client:** EA Engineering

**Project:** Big Sky Dairy

| Sample ID: **MB-77192** | SampType: **MBLK** | TestCode: **SM2540C MOD: Total Dissolved Solids** |
|---|---|---|
| Client ID: **PBW** | Batch ID: **77192** | RunNo: **99390** |
| Prep Date: **8/30/2023** | Analysis Date: **8/31/2023** | SeqNo: **3626827** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | ND | 50.0 | | | | | | | | |

| Sample ID: **LCS-77192** | SampType: **LCS** | TestCode: **SM2540C MOD: Total Dissolved Solids** |
|---|---|---|
| Client ID: **LCSW** | Batch ID: **77192** | RunNo: **99390** |
| Prep Date: **8/30/2023** | Analysis Date: **8/31/2023** | SeqNo: **3626828** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 1000 | 50.0 | 1000 | 0 | 101 | 80 | 120 | | | |

| Sample ID: **2308E11-001ADUP** | SampType: **DUP** | TestCode: **SM2540C MOD: Total Dissolved Solids** |
|---|---|---|
| Client ID: **833-10** | Batch ID: **77192** | RunNo: **99390** |
| Prep Date: **8/30/2023** | Analysis Date: **8/31/2023** | SeqNo: **3626832** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 2750 | 50.0 | | | | | | 0.255 | 10 | * |

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. |
| B | Analyte detected in the associated Method Blank |
| E | Above Quantitation Range/Estimated Value |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2308E11**

***13-Sep-23***

**Client:** EA Engineering

**Project:** Big Sky Dairy

| Sample ID: **MB-77191** | SampType: **MBLK** | TestCode: **SM 4500 Norg C: TKN** |
|---|---|---|
| Client ID: **PBW** | Batch ID: **77191** | RunNo: **99392** |
| Prep Date: **8/30/2023** | Analysis Date: **8/31/2023** | SeqNo: **3626891** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Nitrogen, Kjeldahl, Total | ND | 1.0 | | | | | | | | |

| Sample ID: **LCS-77191** | SampType: **LCS** | TestCode: **SM 4500 Norg C: TKN** |
|---|---|---|
| Client ID: **LCSW** | Batch ID: **77191** | RunNo: **99392** |
| Prep Date: **8/30/2023** | Analysis Date: **8/31/2023** | SeqNo: **3626892** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Nitrogen, Kjeldahl, Total | 10 | 1.0 | 10.00 | 0 | 101 | 80 | 120 | | | |

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

HALL ENVIRONMENTAL ANALYSIS LABORATORY

*Hall Environmental Analysis Laboratory*
*4901 Hawkins NE*
*Albuquerque, NM 87109*
*TEL: 505-345-3975 FAX: 505-345-4107*
*Website: www.hallenvironmental.com*

# Sample Log-In Check List

Client Name: EA Engineering | Work Order Number: 2308E11 | RcptNo: 1

Received By: **Steve McQuiston** 8/25/2023 8:45:00 AM

Completed By: **Desiree Dominguez** 8/25/2023 8:52:44 AM

Reviewed By: 8-25-23

## Chain of Custody

| | | | |
|---|---|---|---|
| 1. Is Chain of Custody complete? | Yes ☑ | No ☐ | Not Present ☐ |
| 2. How was the sample delivered? | FedEx | | |

## Log In

| | | | |
|---|---|---|---|
| 3. Was an attempt made to cool the samples? | Yes ☑ | No ☐ | NA ☐ |
| 4. Were all samples received at a temperature of >0° C to 6.0°C | Yes ☑ | No ☐ | NA ☐ |
| 5. Sample(s) in proper container(s)? | Yes ☑ | No ☐ | |
| 6. Sufficient sample volume for indicated test(s)? | Yes ☑ | No ☐ | |
| 7. Are samples (except VOA and ONG) properly preserved? | Yes ☑ | No ☐ | |
| 8. Was preservative added to bottles? | Yes ☐ | No ☑ | NA ☐ |
| 9. Received at least 1 vial with headspace <1/4" for AQ VOA? | Yes ☐ | No ☐ | NA ☑ |
| 10. Were any sample containers received broken? | Yes ☐ | No ☑ | |
| 11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) | Yes ☑ | No ☐ | |
| 12. Are matrices correctly identified on Chain of Custody? | Yes ☑ | No ☐ | |
| 13. Is it clear what analyses were requested? | Yes ☑ | No ☐ | |
| 14. Were all holding times able to be met? (If no, notify customer for authorization.) | Yes ☑ | No ☐ | |

# of preserved bottles checked for pH: 6 (<2 or >12 unless noted)

Adjusted? NO

Checked by: JMS 8/25/23

## Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: Date:

By Whom: Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding:

Client Instructions:

16. Additional remarks:

17. **Cooler Information**

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|---|---|---|---|---|---|---|
| 1 | 0.3 | Good | Not Present | Yogi | | |

# Chain-of-Custody Record

Client: EA Engineering, Science, and Technology

Mailing Address: 320 Gold Ave SW Suite

Phone #: 505-715-4279

email or Fax#: rmullen@eaest.com

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other_____
☐ EDD (Type) _____

Turn-Around Time:
☑ Standard ☐ Rush_____

Project Name: Big Sky Dairy

Project #:

Project Manager: Gina Mullen

Sampler: Angel N. Rivera

On Ice: ☒ Yes ☐ No

# of Coolers: ~~0.3 C~~ SCM 8/25/03

Cooler Temp(including CF): 0.3 - 0 = 0.30 C


HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107


| Date | Time | Matrix | Sample Name | Container Type and # | Preservative Type | HEAL No. 2308E11 | Analysis Request: Nitrate/Nitrites EPA Method 300 | TKN SM 4500 NORG C | Chloride EPA 300 | TDS SM 2540 C MOD | Sulfate EPA 300 | Phosphorus EPA 6010B | Total Sulfur |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8/24 | 10:10 | GW | B33-10 | 2 | | -001 | X | X | X | X | X | | |

| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |
|---|---|---|---|---|---|---|
| 8-24 | 18:05 | | SCM | FED EX | 8/25/03 | 0845 |
| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

*Hall Environmental Analysis Laboratory*
*4901 Hawkins NE*
*Albuquerque, NM 87109*
*TEL: 505-345-3975 FAX: 505-345-4107*
*Website: www.hallenvironmental.com*

September 13, 2023

Regina Mullen

EA Engineering
320 Gold Ave SW Suite 1210
Albuquerque, NM 87102
TEL:
FAX:

RE: Sunset Dairy OrderNo.: 2308E12

Dear Regina Mullen:

Hall Environmental Analysis Laboratory received 4 sample(s) on 8/25/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman

Laboratory Manager

4901 Hawkins NE
Albuquerque, NM 87109

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering
**Client Sample ID:** 257-03
**Project:** Sunset Dairy
**Collection Date:** 8/24/2023 11:35:00 AM
**Lab ID:** 2308E12-001
**Matrix:** GROUNDWA
**Received Date:** 8/25/2023 8:45:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **JTT** | |
| Chloride | 370 | 50 | * | mg/L | 100 | 8/25/2023 1:00:54 PM | R99254 |
| Nitrogen, Nitrate (As N) | 30 | 1.0 | * | mg/L | 10 | 8/25/2023 12:48:02 PM | R99254 |
| Sulfate | 360 | 5.0 | * | mg/L | 10 | 8/25/2023 12:48:02 PM | R99254 |
| **SM2540C MOD: TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **KS** | |
| Total Dissolved Solids | 2000 | 500 | *D | mg/L | 1 | 8/31/2023 3:03:00 PM | 77192 |
| **SM 4500 NORG C: TKN** | | | | | | Analyst: **DML** | |
| Nitrogen, Kjeldahl, Total | ND | 5.0 | D | mg/L | 1 | 8/31/2023 1:14:00 PM | 77191 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering
**Client Sample ID:** 257-01
**Project:** Sunset Dairy
**Collection Date:** 8/24/2023 12:55:00 PM
**Lab ID:** 2308E12-002
**Matrix:** GROUNDWA
**Received Date:** 8/25/2023 8:45:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **JTT** | |
| Chloride | 890 | 50 | * | mg/L | 100 | 8/25/2023 1:26:38 PM | R99254 |
| Nitrogen, Nitrate (As N) | 34 | 1.0 | * | mg/L | 10 | 8/25/2023 1:13:45 PM | R99254 |
| Sulfate | 660 | 50 | * | mg/L | 100 | 8/25/2023 1:26:38 PM | R99254 |
| **SM2540C MOD: TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **KS** | |
| Total Dissolved Solids | 3540 | 100 | *D | mg/L | 1 | 8/31/2023 3:03:00 PM | 77192 |
| **SM 4500 NORG C: TKN** | | | | | | Analyst: **DML** | |
| Nitrogen, Kjeldahl, Total | ND | 5.0 | D | mg/L | 1 | 8/31/2023 1:14:00 PM | 77191 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering
**Client Sample ID:** 257-02
**Project:** Sunset Dairy
**Collection Date:** 8/24/2023 2:50:00 PM
**Lab ID:** 2308E12-003
**Matrix:** GROUNDWA
**Received Date:** 8/25/2023 8:45:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **JTT** | |
| Chloride | 660 | 50 | * | mg/L | 100 | 8/25/2023 2:18:05 PM | R99254 |
| Nitrogen, Nitrate (As N) | 4.5 | 1.0 | | mg/L | 10 | 8/25/2023 2:05:14 PM | R99254 |
| Sulfate | 460 | 50 | * | mg/L | 100 | 8/25/2023 2:18:05 PM | R99254 |
| **SM2540C MOD: TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **KS** | |
| Total Dissolved Solids | 2470 | 50.0 | * | mg/L | 1 | 8/31/2023 3:03:00 PM | 77192 |
| **SM 4500 NORG C: TKN** | | | | | | Analyst: **DML** | |
| Nitrogen, Kjeldahl, Total | ND | 1.0 | | mg/L | 1 | 8/31/2023 1:14:00 PM | 77191 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering
**Client Sample ID:** MW-4
**Project:** Sunset Dairy
**Collection Date:** 8/24/2023 4:30:00 PM
**Lab ID:** 2308E12-004
**Matrix:** GROUNDWA
**Received Date:** 8/25/2023 8:45:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **JTT** | |
| Chloride | 1200 | 50 | * | mg/L | 100 | 8/25/2023 3:09:35 PM | R99254 |
| Nitrogen, Nitrate (As N) | 1.2 | 1.0 | | mg/L | 10 | 8/25/2023 2:30:56 PM | R99254 |
| Sulfate | 930 | 50 | * | mg/L | 100 | 8/25/2023 3:09:35 PM | R99254 |
| **SM2540C MOD: TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **KS** | |
| Total Dissolved Solids | 4010 | 100 | *D | mg/L | 1 | 8/31/2023 3:03:00 PM | 77192 |
| **SM 4500 NORG C: TKN** | | | | | | Analyst: **DML** | |
| Nitrogen, Kjeldahl, Total | ND | 1.0 | | mg/L | 1 | 8/31/2023 1:14:00 PM | 77191 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2308E12**

***13-Sep-23***

**Client:** EA Engineering

**Project:** Sunset Dairy

| Sample ID: **MB** | SampType: **MBLK** | TestCode: **EPA Method 300.0: Anions** |
|---|---|---|
| Client ID: **PBW** | Batch ID: **R99254** | RunNo: **99254** |
| Prep Date: | Analysis Date: **8/25/2023** | SeqNo: **3619836** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | ND | 0.50 | | | | | | | | |
| Nitrogen, Nitrate (As N) | ND | 0.10 | | | | | | | | |
| Sulfate | ND | 0.50 | | | | | | | | |

| Sample ID: **LCS** | SampType: **LCS** | TestCode: **EPA Method 300.0: Anions** |
|---|---|---|
| Client ID: **LCSW** | Batch ID: **R99254** | RunNo: **99254** |
| Prep Date: | Analysis Date: **8/25/2023** | SeqNo: **3619837** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 4.7 | 0.50 | 5.000 | 0 | 94.1 | 90 | 110 | | | |
| Nitrogen, Nitrate (As N) | 2.6 | 0.10 | 2.500 | 0 | 104 | 90 | 110 | | | |
| Sulfate | 10 | 0.50 | 10.00 | 0 | 100 | 90 | 110 | | | |

| Sample ID: **LCSD** | SampType: **LCSD** | TestCode: **EPA Method 300.0: Anions** |
|---|---|---|
| Client ID: **LCSS02** | Batch ID: **R99254** | RunNo: **99254** |
| Prep Date: | Analysis Date: **8/25/2023** | SeqNo: **3619847** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 4.6 | 0.50 | 5.000 | 0 | 92.8 | 90 | 110 | 1.42 | 20 | |
| Nitrogen, Nitrate (As N) | 2.6 | 0.10 | 2.500 | 0 | 102 | 90 | 110 | 1.98 | 20 | |
| Sulfate | 9.8 | 0.50 | 10.00 | 0 | 98.5 | 90 | 110 | 1.81 | 20 | |

| Sample ID: **2308E12-004AMS** | SampType: **MS** | TestCode: **EPA Method 300.0: Anions** |
|---|---|---|
| Client ID: **MW-4** | Batch ID: **R99254** | RunNo: **99254** |
| Prep Date: | Analysis Date: **8/25/2023** | SeqNo: **3619861** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Nitrogen, Nitrate (As N) | 27 | 1.0 | 25.00 | 1.176 | 104 | 80 | 120 | | | |

| Sample ID: **2308E12-004AMSD** | SampType: **MSD** | TestCode: **EPA Method 300.0: Anions** |
|---|---|---|
| Client ID: **MW-4** | Batch ID: **R99254** | RunNo: **99254** |
| Prep Date: | Analysis Date: **8/25/2023** | SeqNo: **3619862** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Nitrogen, Nitrate (As N) | 27 | 1.0 | 25.00 | 1.176 | 104 | 80 | 120 | 0.118 | 20 | |

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. |
| B | Analyte detected in the associated Method Blank |
| E | Above Quantitation Range/Estimated Value |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2308E12**

***13-Sep-23***

**Client:** EA Engineering

**Project:** Sunset Dairy

| Sample ID: **MB-77192** | SampType: **MBLK** | TestCode: **SM2540C MOD: Total Dissolved Solids** |
|---|---|---|
| Client ID: **PBW** | Batch ID: **77192** | RunNo: **99390** |
| Prep Date: **8/30/2023** | Analysis Date: **8/31/2023** | SeqNo: **3626827** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | ND | 50.0 | | | | | | | | |

| Sample ID: **LCS-77192** | SampType: **LCS** | TestCode: **SM2540C MOD: Total Dissolved Solids** |
|---|---|---|
| Client ID: **LCSW** | Batch ID: **77192** | RunNo: **99390** |
| Prep Date: **8/30/2023** | Analysis Date: **8/31/2023** | SeqNo: **3626828** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 1000 | 50.0 | 1000 | 0 | 101 | 80 | 120 | | | |

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. |
| B | Analyte detected in the associated Method Blank |
| E | Above Quantitation Range/Estimated Value |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2308E12**

***13-Sep-23***

**Client:** EA Engineering

**Project:** Sunset Dairy

| Sample ID: **MB-77191** | SampType: **MBLK** | TestCode: **SM 4500 Norg C: TKN** | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Client ID: **PBW** | Batch ID: **77191** | RunNo: **99392** | | | | | | | |
| Prep Date: **8/30/2023** | Analysis Date: **8/31/2023** | SeqNo: **3626891** | Units: **mg/L** | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Nitrogen, Kjeldahl, Total | ND | 1.0 | | | | | | | | |

| Sample ID: **LCS-77191** | SampType: **LCS** | TestCode: **SM 4500 Norg C: TKN** | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Client ID: **LCSW** | Batch ID: **77191** | RunNo: **99392** | | | | | | | |
| Prep Date: **8/30/2023** | Analysis Date: **8/31/2023** | SeqNo: **3626892** | Units: **mg/L** | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Nitrogen, Kjeldahl, Total | 10 | 1.0 | 10.00 | 0 | 101 | 80 | 120 | | | |

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. |
| B | Analyte detected in the associated Method Blank |
| E | Above Quantitation Range/Estimated Value |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

HALL ENVIRONMENTAL ANALYSIS LABORATORY

*Hall Environmental Analysis Laboratory*
*4901 Hawkins NE*
*Albuquerque, NM 87109*
*TEL: 505-345-3975 FAX: 505-345-4107*
*Website: www.hallenvironmental.com*

# Sample Log-In Check List

Client Name: EA Engineering | Work Order Number: 2308E12 | RcptNo: 1

Received By: Stephanie Shaffers 8/25/2023 8:45:00 AM

Completed By: Desiree Dominguez 8/25/2023 9:02:05 AM

Reviewed By: JH 8-25-23

## Chain of Custody

| | | | |
|---|---|---|---|
| 1. Is Chain of Custody complete? | Yes ☑ | No ☐ | Not Present ☐ |
| 2. How was the sample delivered? | FedEx | | |

## Log In

| | | | |
|---|---|---|---|
| 3. Was an attempt made to cool the samples? | Yes ☑ | No ☐ | NA ☐ |
| 4. Were all samples received at a temperature of >0° C to 6.0°C | Yes ☑ | No ☐ | NA ☐ |
| 5. Sample(s) in proper container(s)? | Yes ☑ | No ☐ | |
| 6. Sufficient sample volume for indicated test(s)? | Yes ☑ | No ☐ | |
| 7. Are samples (except VOA and ONG) properly preserved? | Yes ☑ | No ☐ | |
| 8. Was preservative added to bottles? | Yes ☐ | No ☑ | NA ☐ |
| 9. Received at least 1 vial with headspace <1/4" for AQ VOA? | Yes ☐ | No ☐ | NA ☑ |
| 10. Were any sample containers received broken? | Yes ☐ | No ☑ | |
| 11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) | Yes ☑ | No ☐ | |
| 12. Are matrices correctly identified on Chain of Custody? | Yes ☑ | No ☐ | |
| 13. Is it clear what analyses were requested? | Yes ☑ | No ☐ | |
| 14. Were all holding times able to be met? (If no, notify customer for authorization.) | Yes ☑ | No ☐ | |

# of preserved bottles checked for pH: 4 (6)
(<2 or >12 unless noted)
Adjusted? NO
Checked by: JH 8/25/23

## Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: Date:
By Whom: Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding:
Client Instructions:

16. Additional remarks:

17. **Cooler Information**

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|---|---|---|---|---|---|---|
| 1 | 0.3 | Good | Not Present | Yogi | | |

# Chain-of-Custody Record

**HALL ENVIRONMENTAL ANALYSIS LABORATORY**

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Client: EA Engineering, Science, and Technology

Mailing Address: 320 Gold Ave SW Suite

Phone #: 505-715-4279

email or Fax#: rmullen@eaest.com

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance ☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time: ☑ Standard ☐ Rush

Project Name: Sunset Dairy

Project #:

Project Manager: Gina Mullen

Sampler: Angel N. Rivera

On Ice: ☒ Yes ☐ No

# of Coolers: 1

Cooler Temp(including CF): 0.3-0=0.3°C YOG1

| Date | Time | Matrix | Sample Name | Container Type and # | Preservative Type | HEAL No. 2308E12 | Nitrate/Nitrites EPA Method 300. | TKN SM 4500 NORG C | Chloride EPA 300 | TDS SM 2540 C MOD | Sulfate EPA 300 | Phosphorus EPA 6010B | Total Sulfur |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8-24 | 11:35 | Gw | 257-03 | 2 | | -001 | X | X | X | X | X | | |
| 8-24 | 12:55 | Gw | 257-01 | 2 | | -002 | X | X | X | X | X | | |
| 8-24 | 14:50 | Gw | 257-02 | 2 | | -003 | X | X | X | X | X | | |
| 8-24 | 16:30 | Gw | mw-4 | 2 | | -004 | X | X | X | X | X | | |

Analysis Request

| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |
|---|---|---|---|---|---|---|
| 8-24 | 18:05 | | SCM | FEDEX YOG1 | 8/25/23 | 0845 |
| Date: | Time: | Relinquished by: | Received by: | Via: SCM 8/25/23 | Date | Time |

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

*Hall Environmental Analysis Laboratory*
*4901 Hawkins NE*
*Albuquerque, NM 87109*
*TEL: 505-345-3975 FAX: 505-345-4107*
*Website: www.hallenvironmental.com*

September 15, 2023

Regina Mullen

EA Engineering
320 Gold Ave SW Suite 1210
Albuquerque, NM 87102
TEL:
FAX:

RE: Del Oro Dairy OrderNo.: 2308E65

Dear Regina Mullen:

Hall Environmental Analysis Laboratory received 3 sample(s) on 8/26/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering
**Client Sample ID:** EW-05
**Project:** Del Oro Dairy
**Collection Date:** 8/25/2023 11:45:00 AM
**Lab ID:** 2308E65-001
**Matrix:** GROUNDWA
**Received Date:** 8/26/2023 12:20:00 PM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **SNS** | |
| Chloride | 450 | 50 | * | mg/L | 100 | 8/29/2023 10:17:35 AM | R99346 |
| Sulfate | 250 | 5.0 | * | mg/L | 10 | 8/29/2023 9:38:59 AM | R99346 |
| Nitrate+Nitrite as N | 14 | 1.0 | * | mg/L | 5 | 8/30/2023 2:05:42 PM | R99393 |
| **SM2540C MOD: TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **KS** | |
| Total Dissolved Solids | 1750 | 50.0 | * | mg/L | 1 | 8/31/2023 4:55:00 PM | 77211 |
| **SM 4500 NORG C: TKN** | | | | | | Analyst: **DML** | |
| Nitrogen, Kjeldahl, Total | ND | 2.0 | D | mg/L | 1 | 9/1/2023 10:58:00 AM | 77212 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering
**Client Sample ID:** 692-02
**Project:** Del Oro Dairy
**Collection Date:** 8/25/2023 1:20:00 PM
**Lab ID:** 2308E65-002
**Matrix:** GROUNDWA
**Received Date:** 8/26/2023 12:20:00 PM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **SNS** | |
| Chloride | 480 | 50 | * | mg/L | 100 | 8/29/2023 10:43:18 AM | R99346 |
| Sulfate | 260 | 5.0 | * | mg/L | 10 | 8/29/2023 10:30:26 AM | R99346 |
| Nitrate+Nitrite as N | 31 | 1.0 | * | mg/L | 5 | 8/30/2023 2:18:03 PM | R99393 |
| **SM2540C MOD: TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **KS** | |
| Total Dissolved Solids | 1830 | 50.0 | * | mg/L | 1 | 8/31/2023 4:55:00 PM | 77211 |
| **SM 4500 NORG C: TKN** | | | | | | Analyst: **DML** | |
| Nitrogen, Kjeldahl, Total | ND | 5.0 | D | mg/L | 1 | 9/1/2023 10:58:00 AM | 77212 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering
**Client Sample ID:** EW-04
**Project:** Del Oro Dairy
**Collection Date:** 8/25/2023 2:48:00 PM
**Lab ID:** 2308E65-003
**Matrix:** GROUNDWA
**Received Date:** 8/26/2023 12:20:00 PM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **SNS** | |
| Chloride | 420 | 50 | * | mg/L | 100 | 8/29/2023 11:34:46 AM | R99346 |
| Sulfate | 220 | 5.0 | | mg/L | 10 | 8/29/2023 11:21:55 AM | R99346 |
| Nitrate+Nitrite as N | 29 | 1.0 | * | mg/L | 5 | 8/30/2023 2:30:24 PM | R99393 |
| **SM2540C MOD: TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **KS** | |
| Total Dissolved Solids | 1580 | 50.0 | * | mg/L | 1 | 8/31/2023 4:55:00 PM | 77211 |
| **SM 4500 NORG C: TKN** | | | | | | Analyst: **DML** | |
| Nitrogen, Kjeldahl, Total | ND | 5.0 | D | mg/L | 1 | 9/1/2023 11:01:00 AM | 77228 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2308E65**

***15-Sep-23***

**Client:** EA Engineering

**Project:** Del Oro Dairy

| Sample ID: **MB** | SampType: **MBLK** | TestCode: **EPA Method 300.0: Anions** |
|---|---|---|
| Client ID: **PBW** | Batch ID: **R99346** | RunNo: **99346** |
| Prep Date: | Analysis Date: **8/29/2023** | SeqNo: **3625008** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | ND | 0.50 | | | | | | | | |
| Sulfate | ND | 0.50 | | | | | | | | |

| Sample ID: **LCS** | SampType: **LCS** | TestCode: **EPA Method 300.0: Anions** |
|---|---|---|
| Client ID: **LCSW** | Batch ID: **R99346** | RunNo: **99346** |
| Prep Date: | Analysis Date: **8/29/2023** | SeqNo: **3625009** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 4.5 | 0.50 | 5.000 | 0 | 90.8 | 90 | 110 | | | |
| Sulfate | 9.5 | 0.50 | 10.00 | 0 | 94.9 | 90 | 110 | | | |

| Sample ID: **2308E65-001AMS** | SampType: **MS** | TestCode: **EPA Method 300.0: Anions** |
|---|---|---|
| Client ID: **EW-05** | Batch ID: **R99346** | RunNo: **99346** |
| Prep Date: | Analysis Date: **8/29/2023** | SeqNo: **3625011** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Sulfate | 350 | 5.0 | 100.0 | 252.1 | 98.4 | 80 | 120 | | | |

| Sample ID: **2308E65-001AMSD** | SampType: **MSD** | TestCode: **EPA Method 300.0: Anions** |
|---|---|---|
| Client ID: **EW-05** | Batch ID: **R99346** | RunNo: **99346** |
| Prep Date: | Analysis Date: **8/29/2023** | SeqNo: **3625012** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Sulfate | 350 | 5.0 | 100.0 | 252.1 | 97.1 | 80 | 120 | 0.362 | 20 | |

| Sample ID: **MB** | SampType: **MBLK** | TestCode: **EPA Method 300.0: Anions** |
|---|---|---|
| Client ID: **PBW** | Batch ID: **R99346** | RunNo: **99346** |
| Prep Date: | Analysis Date: **8/29/2023** | SeqNo: **3625058** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | ND | 0.50 | | | | | | | | |
| Sulfate | ND | 0.50 | | | | | | | | |

| Sample ID: **LCS** | SampType: **LCS** | TestCode: **EPA Method 300.0: Anions** |
|---|---|---|
| Client ID: **LCSW** | Batch ID: **R99346** | RunNo: **99346** |
| Prep Date: | Analysis Date: **8/29/2023** | SeqNo: **3625059** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 4.6 | 0.50 | 5.000 | 0 | 92.1 | 90 | 110 | | | |
| Sulfate | 9.6 | 0.50 | 10.00 | 0 | 96.4 | 90 | 110 | | | |

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. |
| B | Analyte detected in the associated Method Blank |
| E | Above Quantitation Range/Estimated Value |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2308E65**

***15-Sep-23***

**Client:** EA Engineering

**Project:** Del Oro Dairy

| Sample ID: **MB** | SampType: **mblk** | TestCode: **EPA Method 300.0: Anions** |
|---|---|---|
| Client ID: **PBW** | Batch ID: **R99393** | RunNo: **99393** |
| Prep Date: | Analysis Date: **8/30/2023** | SeqNo: **3626929** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Nitrate+Nitrite as N | ND | 0.20 | | | | | | | | |

| Sample ID: **LCS** | SampType: **lcs** | TestCode: **EPA Method 300.0: Anions** |
|---|---|---|
| Client ID: **LCSW** | Batch ID: **R99393** | RunNo: **99393** |
| Prep Date: | Analysis Date: **8/30/2023** | SeqNo: **3626930** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Nitrate+Nitrite as N | 3.4 | 0.20 | 3.500 | 0 | 96.9 | 90 | 110 | | | |

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. |
| B | Analyte detected in the associated Method Blank |
| E | Above Quantitation Range/Estimated Value |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2308E65**

***15-Sep-23***

**Client:** EA Engineering

**Project:** Del Oro Dairy

| Sample ID: **MB-77211** | SampType: **MBLK** | TestCode: **SM2540C MOD: Total Dissolved Solids** |
|---|---|---|
| Client ID: **PBW** | Batch ID: **77211** | RunNo: **99397** |
| Prep Date: **8/30/2023** | Analysis Date: **8/31/2023** | SeqNo: **3627106** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | ND | 50.0 | | | | | | | | |

| Sample ID: **LCS-77211** | SampType: **LCS** | TestCode: **SM2540C MOD: Total Dissolved Solids** |
|---|---|---|
| Client ID: **LCSW** | Batch ID: **77211** | RunNo: **99397** |
| Prep Date: **8/30/2023** | Analysis Date: **8/31/2023** | SeqNo: **3627107** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 1010 | 50.0 | 1000 | 0 | 101 | 80 | 120 | | | |

| Sample ID: **2308E65-001ADUP** | SampType: **DUP** | TestCode: **SM2540C MOD: Total Dissolved Solids** |
|---|---|---|
| Client ID: **EW-05** | Batch ID: **77211** | RunNo: **99397** |
| Prep Date: **8/30/2023** | Analysis Date: **8/31/2023** | SeqNo: **3627110** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 1760 | 50.0 | | | | | | 0.171 | 10 | * |

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. |
| B | Analyte detected in the associated Method Blank |
| E | Above Quantitation Range/Estimated Value |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2308E65**

***15-Sep-23***

**Client:** EA Engineering

**Project:** Del Oro Dairy

| Sample ID: **MB-77212** | SampType: **MBLK** | TestCode: **SM 4500 Norg C: TKN** | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Client ID: **PBW** | Batch ID: **77212** | RunNo: **99413** | | | | | | | |
| Prep Date: **8/30/2023** | Analysis Date: **9/1/2023** | SeqNo: **3628318** | Units: **mg/L** | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Nitrogen, Kjeldahl, Total | ND | 1.0 | | | | | | | | |

| Sample ID: **LCS-77212** | SampType: **LCS** | TestCode: **SM 4500 Norg C: TKN** | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Client ID: **LCSW** | Batch ID: **77212** | RunNo: **99413** | | | | | | | |
| Prep Date: **8/30/2023** | Analysis Date: **9/1/2023** | SeqNo: **3628319** | Units: **mg/L** | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Nitrogen, Kjeldahl, Total | 9.9 | 1.0 | 10.00 | 0 | 99.4 | 80 | 120 | | | |

| Sample ID: **MB-77228** | SampType: **MBLK** | TestCode: **SM 4500 Norg C: TKN** | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Client ID: **PBW** | Batch ID: **77228** | RunNo: **99414** | | | | | | | |
| Prep Date: **8/31/2023** | Analysis Date: **9/1/2023** | SeqNo: **3628352** | Units: **mg/L** | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Nitrogen, Kjeldahl, Total | ND | 1.0 | | | | | | | | |

| Sample ID: **LCS-77228** | SampType: **LCS** | TestCode: **SM 4500 Norg C: TKN** | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Client ID: **LCSW** | Batch ID: **77228** | RunNo: **99414** | | | | | | | |
| Prep Date: **8/31/2023** | Analysis Date: **9/1/2023** | SeqNo: **3628353** | Units: **mg/L** | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Nitrogen, Kjeldahl, Total | 10 | 1.0 | 10.00 | 0 | 101 | 80 | 120 | | | |

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

HALL ENVIRONMENTAL ANALYSIS LABORATORY

*Hall Environmental Analysis Laboratory*
*4901 Hawkins NE*
*Albuquerque, NM 87109*
*TEL: 505-345-3975 FAX: 505-345-4107*
*Website: www.hallenvironmental.com*

# Sample Log-In Check List

Client Name: EA Engineering | Work Order Number: 2308E65 | RcptNo: 1

Received By: Cheyenne Cason 8/26/2023 12:20:00 PM

Completed By: Cheyenne Cason 8/26/2023 12:46:16 PM

Reviewed By: SCM 8/28/23

## Chain of Custody

| | | | |
|---|---|---|---|
| 1. Is Chain of Custody complete? | Yes ☑ | No ☐ | Not Present ☐ |
| 2. How was the sample delivered? | FedEx | | |

## Log In

| | | | |
|---|---|---|---|
| 3. Was an attempt made to cool the samples? | Yes ☑ | No ☐ | NA ☐ |
| 4. Were all samples received at a temperature of >0° C to 6.0°C | Yes ☑ | No ☐ | NA ☐ |
| 5. Sample(s) in proper container(s)? | Yes ☑ | No ☐ | |
| 6. Sufficient sample volume for indicated test(s)? | Yes ☑ | No ☐ | |
| 7. Are samples (except VOA and ONG) properly preserved? | Yes ☑ | No ☐ | |
| 8. Was preservative added to bottles? | Yes ☐ | No ☑ | NA ☐ |
| 9. Received at least 1 vial with headspace <1/4" for AQ VOA? | Yes ☐ | No ☐ | NA ☑ |
| 10. Were any sample containers received broken? | Yes ☐ | No ☑ | |
| 11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) | Yes ☑ | No ☐ | |
| 12. Are matrices correctly identified on Chain of Custody? | Yes ☑ | No ☐ | |
| 13. Is it clear what analyses were requested? | Yes ☑ | No ☐ | |
| 14. Were all holding times able to be met? (If no, notify customer for authorization.) | Yes ☑ | No ☐ | |

# of preserved bottles checked for pH: 3 (<2 or >12 unless noted)

Adjusted? NO

Checked by: JMS 8/28/23

## Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: Date:

By Whom: Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding:

Client Instructions:

16. Additional remarks:

17. **Cooler Information**

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|---|---|---|---|---|---|---|
| 1 | 1.2 | Good | Not Present | Morty | | |

# Chain-of-Custody Record

**HALL ENVIRONMENTAL ANALYSIS LABORATORY**

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Client: EA Engineering, Science, and Technology

Mailing Address: 320 Gold Ave SW Suite

Phone #: 505-715-4279

email or Fax#: rmullen@eaest.com

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:

☑ Standard ☐ Rush

Project Name: Del Oro Dairy

Project #:

Project Manager: Gina Mullen

Sampler: Angel N. Rivera

On Ice: ☒ Yes ☐ No Mah

# of Coolers: 1

Cooler Temp(Including CF): 1.4+0.2=1.6

| Date | Time | Matrix | Sample Name | Container Type and # | Preservative Type | HEAL No. 2308F15 | Nitrate/Nitrites EPA Method 300 | TKN SM 4500 NORG C | Chloride EPA 300 | TDS SM 2540 C MOD | Sulfate EPA 300 | Phosphorus EPA 6010B | Total Sulfur |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8-25 | 11:45 | GW | EW-05 | 2 | | 001 | X | X | X | X | X | | |
| 8-25 | 13:20 | GW | 692-02 | 2 | | 002 | X | X | X | X | X | | |
| 8-25 | 14:48 | GW | EW-04 | 2 | | 003 | X | X | X | X | X | | |

Analysis Request

| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |
|---|---|---|---|---|---|---|
| 8-25 | 17:00 | | | | 8/26/23 | 1220 |
| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

*Hall Environmental Analysis Laboratory*
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*Albuquerque, NM 87109*
*TEL: 505-345-3975 FAX: 505-345-4107*
*Website: www.hallenvironmental.com*

September 15, 2023

Regina Mullen

EA Engineering
320 Gold Ave SW Suite 1210
Albuquerque, NM 87102
TEL:
FAX:

RE: Del Oro Dairy OrderNo.: 2308F48

Dear Regina Mullen:

Hall Environmental Analysis Laboratory received 3 sample(s) on 8/29/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering
**Client Sample ID:** 692-09
**Project:** Del Oro Dairy
**Collection Date:** 8/28/2023 11:36:00 AM
**Lab ID:** 2308F48-001
**Matrix:** GROUNDWA
**Received Date:** 8/29/2023 8:30:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **SNS** | |
| Chloride | 400 | 50 | * | mg/L | 100 | 8/29/2023 4:19:51 PM | R99343 |
| Nitrogen, Nitrite (As N) | ND | 1.0 | | mg/L | 10 | 8/29/2023 4:07:31 PM | R99343 |
| Nitrogen, Nitrate (As N) | 4.2 | 1.0 | | mg/L | 10 | 8/29/2023 4:07:31 PM | R99343 |
| Sulfate | 210 | 5.0 | | mg/L | 10 | 8/29/2023 4:07:31 PM | R99343 |
| **SM2540C MOD: TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **KS** | |
| Total Dissolved Solids | 1390 | 50.0 | * | mg/L | 1 | 8/31/2023 4:55:00 PM | 77211 |
| **SM 4500 NORG C: TKN** | | | | | | Analyst: **DML** | |
| Nitrogen, Kjeldahl, Total | ND | 1.0 | | mg/L | 1 | 9/1/2023 11:01:00 AM | 77228 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering
**Client Sample ID:** 692-05
**Project:** Del Oro Dairy
**Collection Date:** 8/28/2023 1:28:00 PM
**Lab ID:** 2308F48-002
**Matrix:** GROUNDWA
**Received Date:** 8/29/2023 8:30:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **SNS** | |
| Chloride | 410 | 50 | * | mg/L | 100 | 8/29/2023 4:44:32 PM | R99343 |
| Nitrogen, Nitrite (As N) | ND | 1.0 | | mg/L | 10 | 8/29/2023 4:32:12 PM | R99343 |
| Nitrogen, Nitrate (As N) | 16 | 1.0 | * | mg/L | 10 | 8/29/2023 4:32:12 PM | R99343 |
| Sulfate | 270 | 5.0 | * | mg/L | 10 | 8/29/2023 4:32:12 PM | R99343 |
| **SM2540C MOD: TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **KS** | |
| Total Dissolved Solids | 1570 | 50.0 | * | mg/L | 1 | 8/31/2023 4:55:00 PM | 77211 |
| **SM 4500 NORG C: TKN** | | | | | | Analyst: **DML** | |
| Nitrogen, Kjeldahl, Total | ND | 2.0 | D | mg/L | 1 | 9/1/2023 11:01:00 AM | 77228 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering
**Client Sample ID:** 692-06
**Project:** Del Oro Dairy
**Collection Date:** 8/28/2023 3:50:00 PM
**Lab ID:** 2308F48-003
**Matrix:** GROUNDWA
**Received Date:** 8/29/2023 8:30:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **SNS** | |
| Chloride | 410 | 50 | * | mg/L | 100 | 8/29/2023 5:33:55 PM | R99343 |
| Nitrogen, Nitrite (As N) | ND | 1.0 | | mg/L | 10 | 8/29/2023 4:56:53 PM | R99343 |
| Nitrogen, Nitrate (As N) | 4.9 | 1.0 | | mg/L | 10 | 8/29/2023 4:56:53 PM | R99343 |
| Sulfate | 210 | 5.0 | | mg/L | 10 | 8/29/2023 4:56:53 PM | R99343 |
| **SM2540C MOD: TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **KS** | |
| Total Dissolved Solids | 1470 | 50.0 | * | mg/L | 1 | 8/31/2023 4:55:00 PM | 77211 |
| **SM 4500 NORG C: TKN** | | | | | | Analyst: **DML** | |
| Nitrogen, Kjeldahl, Total | ND | 1.0 | | mg/L | 1 | 9/1/2023 11:01:00 AM | 77228 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2308F48**

***15-Sep-23***

**Client:** EA Engineering

**Project:** Del Oro Dairy

| Sample ID: **2308F48-003AMS** | SampType: **ms** | TestCode: **EPA Method 300.0: Anions** |
|---|---|---|
| Client ID: **692-06** | Batch ID: **R99343** | RunNo: **99343** |
| Prep Date: | Analysis Date: **8/29/2023** | SeqNo: **3624820** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Nitrogen, Nitrite (As N) | 9.0 | 1.0 | 10.00 | 0 | 89.8 | 80 | 120 | | | |
| Nitrogen, Nitrate (As N) | 30 | 1.0 | 25.00 | 4.862 | 99.6 | 80 | 120 | | | |
| Sulfate | 310 | 5.0 | 100.0 | 206.6 | 99.5 | 80 | 120 | | | |

| Sample ID: **2308F48-003AMSD** | SampType: **msd** | TestCode: **EPA Method 300.0: Anions** |
|---|---|---|
| Client ID: **692-06** | Batch ID: **R99343** | RunNo: **99343** |
| Prep Date: | Analysis Date: **8/29/2023** | SeqNo: **3624821** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Nitrogen, Nitrite (As N) | 9.1 | 1.0 | 10.00 | 0 | 91.1 | 80 | 120 | 1.45 | 20 | |
| Nitrogen, Nitrate (As N) | 30 | 1.0 | 25.00 | 4.862 | 102 | 80 | 120 | 1.67 | 20 | |
| Sulfate | 310 | 5.0 | 100.0 | 206.6 | 105 | 80 | 120 | 1.73 | 20 | |

| Sample ID: **MB** | SampType: **mblk** | TestCode: **EPA Method 300.0: Anions** |
|---|---|---|
| Client ID: **PBW** | Batch ID: **R99343** | RunNo: **99343** |
| Prep Date: | Analysis Date: **8/29/2023** | SeqNo: **3624845** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | ND | 0.50 | | | | | | | | |
| Nitrogen, Nitrite (As N) | ND | 0.10 | | | | | | | | |
| Nitrogen, Nitrate (As N) | ND | 0.10 | | | | | | | | |
| Sulfate | ND | 0.50 | | | | | | | | |

| Sample ID: **LCS** | SampType: **lcs** | TestCode: **EPA Method 300.0: Anions** |
|---|---|---|
| Client ID: **LCSW** | Batch ID: **R99343** | RunNo: **99343** |
| Prep Date: | Analysis Date: **8/29/2023** | SeqNo: **3624846** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 4.5 | 0.50 | 5.000 | 0 | 90.9 | 90 | 110 | | | |
| Nitrogen, Nitrite (As N) | 0.91 | 0.10 | 1.000 | 0 | 91.1 | 90 | 110 | | | |
| Nitrogen, Nitrate (As N) | 2.4 | 0.10 | 2.500 | 0 | 97.3 | 90 | 110 | | | |
| Sulfate | 9.4 | 0.50 | 10.00 | 0 | 93.8 | 90 | 110 | | | |

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. |
| B | Analyte detected in the associated Method Blank |
| E | Above Quantitation Range/Estimated Value |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2308F48**

***15-Sep-23***

**Client:** EA Engineering

**Project:** Del Oro Dairy

| Sample ID: **MB-77211** | SampType: **MBLK** | TestCode: **SM2540C MOD: Total Dissolved Solids** |
|---|---|---|
| Client ID: **PBW** | Batch ID: **77211** | RunNo: **99397** |
| Prep Date: **8/30/2023** | Analysis Date: **8/31/2023** | SeqNo: **3627106** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | ND | 50.0 | | | | | | | | |

| Sample ID: **LCS-77211** | SampType: **LCS** | TestCode: **SM2540C MOD: Total Dissolved Solids** |
|---|---|---|
| Client ID: **LCSW** | Batch ID: **77211** | RunNo: **99397** |
| Prep Date: **8/30/2023** | Analysis Date: **8/31/2023** | SeqNo: **3627107** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 1010 | 50.0 | 1000 | 0 | 101 | 80 | 120 | | | |

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. |
| B | Analyte detected in the associated Method Blank |
| E | Above Quantitation Range/Estimated Value |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2308F48**

***15-Sep-23***

**Client:** EA Engineering

**Project:** Del Oro Dairy

| Sample ID: **MB-77228** | SampType: **MBLK** | TestCode: **SM 4500 Norg C: TKN** |
|---|---|---|
| Client ID: **PBW** | Batch ID: **77228** | RunNo: **99414** |
| Prep Date: **8/31/2023** | Analysis Date: **9/1/2023** | SeqNo: **3628352** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Nitrogen, Kjeldahl, Total | ND | 1.0 | | | | | | | | |

| Sample ID: **LCS-77228** | SampType: **LCS** | TestCode: **SM 4500 Norg C: TKN** |
|---|---|---|
| Client ID: **LCSW** | Batch ID: **77228** | RunNo: **99414** |
| Prep Date: **8/31/2023** | Analysis Date: **9/1/2023** | SeqNo: **3628353** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Nitrogen, Kjeldahl, Total | 10 | 1.0 | 10.00 | 0 | 101 | 80 | 120 | | | |

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. |
| B | Analyte detected in the associated Method Blank |
| E | Above Quantitation Range/Estimated Value |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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*Albuquerque, NM 87109*
*TEL: 505-345-3975 FAX: 505-345-4107*
*Website: www.hallenvironmental.com*

# Sample Log-In Check List

Client Name: EA Engineering | Work Order Number: 2308F48 | RcptNo: 1

Received By: Cheyenne Cason 8/29/2023 8:30:00 AM

Completed By: Tracy Casarrubias 8/29/2023 12:08:52 PM

Reviewed By: 8/29/23

## Chain of Custody

| | | | |
|---|---|---|---|
| 1. Is Chain of Custody complete? | Yes ☑ | No ☐ | Not Present ☐ |
| 2. How was the sample delivered? | FedEx | | |

## Log In

| | | | |
|---|---|---|---|
| 3. Was an attempt made to cool the samples? | Yes ☑ | No ☐ | NA ☐ |
| 4. Were all samples received at a temperature of >0° C to 6.0°C | Yes ☑ | No ☐ | NA ☐ |
| 5. Sample(s) in proper container(s)? | Yes ☑ | No ☐ | |
| 6. Sufficient sample volume for indicated test(s)? | Yes ☑ | No ☐ | |
| 7. Are samples (except VOA and ONG) properly preserved? | Yes ☑ | No ☐ | |
| 8. Was preservative added to bottles? | Yes ☐ | No ☑ | NA ☐ |
| 9. Received at least 1 vial with headspace <1/4" for AQ VOA? | Yes ☐ | No ☐ | NA ☑ |
| 10. Were any sample containers received broken? | Yes ☐ | No ☑ | |
| 11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) | Yes ☑ | No ☐ | # of preserved bottles checked for pH: 3 (<2 or >12 unless noted) |
| 12. Are matrices correctly identified on Chain of Custody? | Yes ☑ | No ☐ | Adjusted? No |
| 13. Is it clear what analyses were requested? | Yes ☑ | No ☐ | |
| 14. Were all holding times able to be met? (If no, notify customer for authorization.) | Yes ☑ | No ☐ | Checked by: TMC 8/29/23 |

## Special Handling (if applicable)

| | | | |
|---|---|---|---|
| 15. Was client notified of all discrepancies with this order? | Yes ☐ | No ☐ | NA ☑ |

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. **Cooler Information**

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|---|---|---|---|---|---|---|
| 1 | 2.7 | Good | Not Present | Morty | | |

# Chain-of-Custody Record

Client: EA Engineering, Science, and Technology

Mailing Address: 320 Gold Ave SW Suite

Phone #: 505-715-4279

email or Fax#: rmullen@eaest.com

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other_____
☐ EDD (Type) _____

Turn-Around Time:
☑ Standard ☐ Rush_____

Project Name: Del Oro Dairy

Project #:

Project Manager: Gina Mullen

Sampler: Angel N. Rivera

On Ice: ☑ Yes ☐ No Marty

# of Coolers: 1

Cooler Temp (Including CF): 3.0 - 0.3 = 2.7


HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107


| Date | Time | Matrix | Sample Name | Container Type and # | Preservative Type | HEAL No. 2308F48 | Nitrate/Nitrites EPA Method 300 | TKN SM 4500 NORG C | Chloride EPA 300 | TDS SM 2540 C MOD | Sulfate EPA 300 | | Phosphorus EPA 6010B | Total Sulfur | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8-28 | 11:36 | GW | 692-09 | 2 | | 001 | X | X | X | X | X | | | | | | | | | | |
| 8-28 | 13:28 | GW | 692-05 | 2 | | 002 | X | X | X | X | X | | | | | | | | | | |
| 8-28 | 15:50 | GW | 692-06 | 2 | | 003 | X | X | X | X | X | | | | | | | | | | |

Analysis Request

| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |
|---|---|---|---|---|---|---|
| 8-28 | 17:45 | | | Fedex | 8/29/23 | 0830 |
| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

*Hall Environmental Analysis Laboratory*
*4901 Hawkins NE*
*Albuquerque, NM 87109*
*TEL: 505-345-3975 FAX: 505-345-4107*
*Website: www.hallenvironmental.com*

September 14, 2023

Regina Mullen

EA Engineering
320 Gold Ave SW Suite 1210
Albuquerque, NM 87102
TEL:
FAX:

RE: Del Oro Dairy OrderNo.: 2308G23

Dear Regina Mullen:

Hall Environmental Analysis Laboratory received 4 sample(s) on 8/30/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman

Laboratory Manager

4901 Hawkins NE
Albuquerque, NM 87109

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering
**Client Sample ID:** 692-07
**Project:** Del Oro Dairy
**Collection Date:** 8/29/2023 11:08:00 AM
**Lab ID:** 2308G23-001
**Matrix:** GROUNDWA
**Received Date:** 8/30/2023 8:30:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **SNS** | |
| Chloride | 510 | 50 | * | mg/L | 100 | 8/30/2023 6:17:43 PM | R99369 |
| Nitrogen, Nitrite (As N) | ND | 1.0 | | mg/L | 10 | 8/30/2023 6:05:15 PM | R99369 |
| Nitrogen, Nitrate (As N) | 2.8 | 1.0 | | mg/L | 10 | 8/30/2023 6:05:15 PM | R99369 |
| Sulfate | 210 | 5.0 | | mg/L | 10 | 8/30/2023 6:05:15 PM | R99369 |
| **SM2540C MOD: TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **KS** | |
| Total Dissolved Solids | 1550 | 250 | *D | mg/L | 1 | 9/4/2023 6:24:00 PM | 77268 |
| **SM 4500 NORG C: TKN** | | | | | | Analyst: **DML** | |
| Nitrogen, Kjeldahl, Total | ND | 1.0 | | mg/L | 1 | 9/6/2023 12:40:00 PM | 77296 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering
**Client Sample ID:** 692-10
**Project:** Del Oro Dairy
**Collection Date:** 8/29/2023 12:05:00 PM
**Lab ID:** 2308G23-002
**Matrix:** GROUNDWA
**Received Date:** 8/30/2023 8:30:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **SNS** | |
| Chloride | 630 | 50 | * | mg/L | 100 | 8/30/2023 6:43:27 PM | R99369 |
| Nitrogen, Nitrite (As N) | ND | 1.0 | | mg/L | 10 | 8/30/2023 6:30:36 PM | R99369 |
| Nitrogen, Nitrate (As N) | ND | 1.0 | | mg/L | 10 | 8/30/2023 6:30:36 PM | R99369 |
| Sulfate | 200 | 5.0 | | mg/L | 10 | 8/30/2023 6:30:36 PM | R99369 |
| **SM2540C MOD: TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **KS** | |
| Total Dissolved Solids | 1640 | 500 | *D | mg/L | 1 | 9/4/2023 6:24:00 PM | 77268 |
| **SM 4500 NORG C: TKN** | | | | | | Analyst: **DML** | |
| Nitrogen, Kjeldahl, Total | ND | 1.0 | | mg/L | 1 | 9/6/2023 12:40:00 PM | 77296 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering
**Client Sample ID:** 692-08
**Project:** Del Oro Dairy
**Collection Date:** 8/29/2023 2:50:00 PM
**Lab ID:** 2308G23-003
**Matrix:** GROUNDWA
**Received Date:** 8/30/2023 8:30:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **SNS** | |
| Chloride | 370 | 50 | * | mg/L | 100 | 8/30/2023 7:09:11 PM | R99369 |
| Nitrogen, Nitrite (As N) | ND | 1.0 | | mg/L | 10 | 8/30/2023 6:56:19 PM | R99369 |
| Nitrogen, Nitrate (As N) | 2.3 | 1.0 | | mg/L | 10 | 8/30/2023 6:56:19 PM | R99369 |
| Sulfate | 180 | 5.0 | | mg/L | 10 | 8/30/2023 6:56:19 PM | R99369 |
| **SM2540C MOD: TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **KS** | |
| Total Dissolved Solids | 1280 | 100 | *D | mg/L | 1 | 9/4/2023 6:24:00 PM | 77268 |
| **SM 4500 NORG C: TKN** | | | | | | Analyst: **DML** | |
| Nitrogen, Kjeldahl, Total | ND | 1.0 | | mg/L | 1 | 9/6/2023 12:40:00 PM | 77296 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering
**Client Sample ID:** EW-01
**Project:** Del Oro Dairy
**Collection Date:** 8/29/2023 3:53:00 PM
**Lab ID:** 2308G23-004
**Matrix:** GROUNDWA
**Received Date:** 8/30/2023 8:30:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **SNS** | |
| Chloride | 1100 | 50 | * | mg/L | 100 | 8/30/2023 7:34:54 PM | R99369 |
| Nitrogen, Nitrite (As N) | ND | 1.0 | | mg/L | 10 | 8/30/2023 7:22:03 PM | R99369 |
| Nitrogen, Nitrate (As N) | 180 | 10 | * | mg/L | 100 | 8/30/2023 7:34:54 PM | R99369 |
| Sulfate | 630 | 50 | * | mg/L | 100 | 8/30/2023 7:34:54 PM | R99369 |
| **SM2540C MOD: TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **KS** | |
| Total Dissolved Solids | 4280 | 50.0 | * | mg/L | 1 | 9/4/2023 6:24:00 PM | 77268 |
| **SM 4500 NORG C: TKN** | | | | | | Analyst: **DML** | |
| Nitrogen, Kjeldahl, Total | ND | 5.0 | D | mg/L | 1 | 9/6/2023 12:40:00 PM | 77296 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2308G23**

***14-Sep-23***

**Client:** EA Engineering

**Project:** Del Oro Dairy

| Sample ID: **MB** | SampType: **MBLK** | TestCode: **EPA Method 300.0: Anions** |
|---|---|---|
| Client ID: **PBW** | Batch ID: **R99369** | RunNo: **99369** |
| Prep Date: | Analysis Date: **8/30/2023** | SeqNo: **3626099** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | ND | 0.50 | | | | | | | | |
| Nitrogen, Nitrite (As N) | ND | 0.10 | | | | | | | | |
| Nitrogen, Nitrate (As N) | ND | 0.10 | | | | | | | | |
| Sulfate | ND | 0.50 | | | | | | | | |

| Sample ID: **LCS** | SampType: **LCS** | TestCode: **EPA Method 300.0: Anions** |
|---|---|---|
| Client ID: **LCSW** | Batch ID: **R99369** | RunNo: **99369** |
| Prep Date: | Analysis Date: **8/30/2023** | SeqNo: **3626100** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 4.6 | 0.50 | 5.000 | 0 | 92.7 | 90 | 110 | | | |
| Nitrogen, Nitrite (As N) | 0.98 | 0.10 | 1.000 | 0 | 98.1 | 90 | 110 | | | |
| Nitrogen, Nitrate (As N) | 2.5 | 0.10 | 2.500 | 0 | 98.8 | 90 | 110 | | | |
| Sulfate | 9.6 | 0.50 | 10.00 | 0 | 96.3 | 90 | 110 | | | |

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. |
| B | Analyte detected in the associated Method Blank |
| E | Above Quantitation Range/Estimated Value |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2308G23**

***14-Sep-23***

**Client:** EA Engineering

**Project:** Del Oro Dairy

| Sample ID: **MB-77268** | SampType: **MBLK** | TestCode: **SM2540C MOD: Total Dissolved Solids** |
|---|---|---|
| Client ID: **PBW** | Batch ID: **77268** | RunNo: **99432** |
| Prep Date: **9/3/2023** | Analysis Date: **9/4/2023** | SeqNo: **3628994** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | ND | 50.0 | | | | | | | | |

| Sample ID: **LCS-77268** | SampType: **LCS** | TestCode: **SM2540C MOD: Total Dissolved Solids** |
|---|---|---|
| Client ID: **LCSW** | Batch ID: **77268** | RunNo: **99432** |
| Prep Date: **9/3/2023** | Analysis Date: **9/4/2023** | SeqNo: **3628995** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 1010 | 50.0 | 1000 | 0 | 101 | 80 | 120 | | | |

| Sample ID: **2308G23-004ADUP** | SampType: **DUP** | TestCode: **SM2540C MOD: Total Dissolved Solids** |
|---|---|---|
| Client ID: **EW-01** | Batch ID: **77268** | RunNo: **99432** |
| Prep Date: **9/3/2023** | Analysis Date: **9/4/2023** | SeqNo: **3629001** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 4330 | 50.0 | | | | | | 1.25 | 10 | * |

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. |
| B | Analyte detected in the associated Method Blank |
| E | Above Quantitation Range/Estimated Value |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2308G23**

***14-Sep-23***

**Client:** EA Engineering

**Project:** Del Oro Dairy

| Sample ID: **MB-77296** | SampType: **MBLK** | TestCode: **SM 4500 Norg C: TKN** |
|---|---|---|
| Client ID: **PBW** | Batch ID: **77296** | RunNo: **99486** |
| Prep Date: **9/5/2023** | Analysis Date: **9/6/2023** | SeqNo: **3632129** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Nitrogen, Kjeldahl, Total | ND | 1.0 | | | | | | | | |

| Sample ID: **LCS-77296** | SampType: **LCS** | TestCode: **SM 4500 Norg C: TKN** |
|---|---|---|
| Client ID: **LCSW** | Batch ID: **77296** | RunNo: **99486** |
| Prep Date: **9/5/2023** | Analysis Date: **9/6/2023** | SeqNo: **3632130** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Nitrogen, Kjeldahl, Total | 10 | 1.0 | 10.00 | 0 | 101 | 80 | 120 | | | |

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. |
| B | Analyte detected in the associated Method Blank |
| E | Above Quantitation Range/Estimated Value |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

HALL ENVIRONMENTAL ANALYSIS LABORATORY

*Hall Environmental Analysis Laboratory*
*4901 Hawkins NE*
*Albuquerque, NM 87109*
*TEL: 505-345-3975 FAX: 505-345-4107*
*Website: www.hallenvironmental.com*

# Sample Log-In Check List

Client Name: EA Engineering | Work Order Number: 2308G23 | RcptNo: 1

Received By: Joseph Alderette 8/30/2023 8:30:00 AM

Completed By: Cheyenne Cason 8/30/2023 9:47:40 AM

Reviewed By: JA 8-30-23

## Chain of Custody

| | | | |
|---|---|---|---|
| 1. Is Chain of Custody complete? | Yes ☑ | No ☐ | Not Present ☐ |
| 2. How was the sample delivered? | FedEx | | |

## Log In

| | | | |
|---|---|---|---|
| 3. Was an attempt made to cool the samples? | Yes ☑ | No ☐ | NA ☐ |
| 4. Were all samples received at a temperature of >0° C to 6.0°C | Yes ☑ | No ☐ | NA ☐ |
| 5. Sample(s) in proper container(s)? | Yes ☑ | No ☐ | |
| 6. Sufficient sample volume for indicated test(s)? | Yes ☑ | No ☐ | |
| 7. Are samples (except VOA and ONG) properly preserved? | Yes ☑ | No ☐ | |
| 8. Was preservative added to bottles? | Yes ☐ | No ☑ | NA ☐ |
| 9. Received at least 1 vial with headspace <1/4" for AQ VOA? | Yes ☐ | No ☐ | NA ☑ |
| 10. Were any sample containers received broken? | Yes ☐ | No ☑ | |
| 11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) | Yes ☑ | No ☐ | |
| 12. Are matrices correctly identified on Chain of Custody? | Yes ☑ | No ☐ | |
| 13. Is it clear what analyses were requested? | Yes ☑ | No ☐ | |
| 14. Were all holding times able to be met? (If no, notify customer for authorization.) | Yes ☑ | No ☐ | |

# of preserved bottles checked for pH: 4 (<2 or >12 unless noted)

Adjusted? NO

Checked by: JA 8/30/23

## Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: Date:

By Whom: Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding:

Client Instructions:

16. Additional remarks:

17. **Cooler Information**

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|---|---|---|---|---|---|---|
| 1 | 1.2 | Good | Not Present | Morty | | |

# Chain-of-Custody Record

Client:

EA Engineering, Science, and Technology

Mailing Address:

320 Gold Ave SW Suite

Phone #: 505-715-4279

email or Fax#: rmullen@eaest.com

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

☐ NELAC ☐ Other_____

☐ EDD (Type) _____

Turn-Around Time:

☑ Standard ☐ Rush_____

Project Name:

Del Oro Dairy

Project #:

Project Manager:

Gina Mullen

Sampler: Angel N. Rivera

On Ice: ☑ Yes ☐ No

# of Coolers: 1

Cooler Temp (including CF): 1.4 - 0.2 = 1.2°C mostly


**HALL ENVIRONMENTAL ANALYSIS LABORATORY**

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107


**Analysis Request**

| Date | Time | Matrix | Sample Name | Container Type and # | Preservative Type | HEAL No. 2308G23 | Nitrate/Nitrites EPA Method 300 | TKN SM 4500 NORG C | Chloride EPA 300 | TDS SM 2540 C MOD | Sulfate EPA 300 | | Phosphorus EPA 6010B | Total Sulfur | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8-29 | 11:08 | Gw | 692-07 | 2 | | 001 | X | X | X | X | X | | | | | | | | | | |
| 8-29 | 12:05 | Gw | 692-10 | 2 | | 002 | X | X | X | X | X | | | | | | | | | | |
| 8-29 | 14:50 | Gw | 692-08 | 2 | | 003 | X | X | X | X | X | | | | | | | | | | |
| 8-29 | 15:53 | Gw | EW-01 | 2 | | 004 | X | X | X | X | X | | | | | | | | | | |

| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |
|---|---|---|---|---|---|---|
| 8-29 | 17:35 | | | fedex | 8-30-23 | 8:30 |
| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

*Hall Environmental Analysis Laboratory*
*4901 Hawkins NE*
*Albuquerque, NM 87109*
*TEL: 505-345-3975 FAX: 505-345-4107*
*Website: www.hallenvironmental.com*

September 12, 2023

Regina Mullen

EA Engineering
320 Gold Ave SW Suite 1210
Albuquerque, NM 87102
TEL:
FAX:

RE: Dona Ana Dairies OrderNo.: 2308H32

Dear Regina Mullen:

Hall Environmental Analysis Laboratory received 3 sample(s) on 8/31/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman

Laboratory Manager

4901 Hawkins NE
Albuquerque, NM 87109

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering
**Client Sample ID:** DAD-01
**Project:** Dona Ana Dairies
**Collection Date:** 8/30/2023 12:40:00 PM
**Lab ID:** 2308H32-001
**Matrix:** GROUNDWA
**Received Date:** 8/31/2023 8:45:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **SNS** |
| Chloride | 390 | 50 | * | mg/L | 100 | 9/1/2023 11:30:15 AM |
| Nitrogen, Nitrite (As N) | ND | 1.0 | | mg/L | 10 | 9/1/2023 11:17:24 AM |
| Nitrogen, Nitrate (As N) | 13 | 1.0 | * | mg/L | 10 | 9/1/2023 11:17:24 AM |
| **SM2540C MOD: TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **KS** |
| Total Dissolved Solids | 1310 | 250 | *D | mg/L | 1 | 9/5/2023 5:42:00 PM |
| **SM 4500 NORG C: TKN** | | | | | | Analyst: **DML** |
| Nitrogen, Kjeldahl, Total | ND | 2.0 | D | mg/L | 1 | 9/6/2023 3:31:00 PM |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering
**Client Sample ID:** DAD-12
**Project:** Dona Ana Dairies
**Collection Date:** 8/30/2023 2:27:00 PM
**Lab ID:** 2308H32-002
**Matrix:** GROUNDWA
**Received Date:** 8/31/2023 8:45:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **SNS** |
| Chloride | 800 | 50 | * | mg/L | 100 | 9/1/2023 11:55:58 AM |
| Nitrogen, Nitrite (As N) | ND | 1.0 | | mg/L | 10 | 9/1/2023 11:43:07 AM |
| Nitrogen, Nitrate (As N) | 11 | 1.0 | * | mg/L | 10 | 9/1/2023 11:43:07 AM |
| **SM2540C MOD: TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **KS** |
| Total Dissolved Solids | 3040 | 50.0 | * | mg/L | 1 | 9/5/2023 5:42:00 PM |
| **SM 4500 NORG C: TKN** | | | | | | Analyst: **DML** |
| Nitrogen, Kjeldahl, Total | ND | 2.0 | D | mg/L | 1 | 9/8/2023 1:52:00 PM |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering
**Client Sample ID:** DAD-13
**Project:** Dona Ana Dairies
**Collection Date:** 8/30/2023 3:50:00 PM
**Lab ID:** 2308H32-003
**Matrix:** GROUNDWA
**Received Date:** 8/31/2023 8:45:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed |
|---|---|---|---|---|---|---|
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **SNS** |
| Chloride | 580 | 50 | * | mg/L | 100 | 9/1/2023 12:21:41 PM |
| Nitrogen, Nitrite (As N) | ND | 1.0 | | mg/L | 10 | 9/1/2023 12:08:50 PM |
| Nitrogen, Nitrate (As N) | 11 | 1.0 | * | mg/L | 10 | 9/1/2023 12:08:50 PM |
| **SM2540C MOD: TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **KS** |
| Total Dissolved Solids | 2000 | 100 | *D | mg/L | 1 | 9/5/2023 5:42:00 PM |
| **SM 4500 NORG C: TKN** | | | | | | Analyst: **DML** |
| Nitrogen, Kjeldahl, Total | ND | 2.0 | D | mg/L | 1 | 9/8/2023 11:24:00 AM |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2308H32**

***12-Sep-23***

**Client:** EA Engineering

**Project:** Dona Ana Dairies

| Sample ID: **MB** | SampType: **MBLK** | TestCode: **EPA Method 300.0: Anions** |
|---|---|---|
| Client ID: **PBW** | Batch ID: **R99437** | RunNo: **99437** |
| Prep Date: | Analysis Date: **9/1/2023** | SeqNo: **3629437** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | ND | 0.50 | | | | | | | | |
| Nitrogen, Nitrite (As N) | ND | 0.10 | | | | | | | | |
| Nitrogen, Nitrate (As N) | ND | 0.10 | | | | | | | | |

| Sample ID: **LCS** | SampType: **LCS** | TestCode: **EPA Method 300.0: Anions** |
|---|---|---|
| Client ID: **LCSW** | Batch ID: **R99437** | RunNo: **99437** |
| Prep Date: | Analysis Date: **9/1/2023** | SeqNo: **3629438** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 4.7 | 0.50 | 5.000 | 0 | 94.2 | 90 | 110 | | | |
| Nitrogen, Nitrite (As N) | 0.97 | 0.10 | 1.000 | 0 | 97.1 | 90 | 110 | | | |
| Nitrogen, Nitrate (As N) | 2.6 | 0.10 | 2.500 | 0 | 103 | 90 | 110 | | | |

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. |
| B | Analyte detected in the associated Method Blank |
| E | Above Quantitation Range/Estimated Value |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2308H32**

***12-Sep-23***

**Client:** EA Engineering

**Project:** Dona Ana Dairies

| Sample ID: **MB-77269** | SampType: **MBLK** | TestCode: **SM2540C MOD: Total Dissolved Solids** |
|---|---|---|
| Client ID: **PBW** | Batch ID: **77269** | RunNo: **99453** |
| Prep Date: **9/4/2023** | Analysis Date: **9/5/2023** | SeqNo: **3630358** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | ND | 50.0 | | | | | | | | |

| Sample ID: **LCS-77269** | SampType: **LCS** | TestCode: **SM2540C MOD: Total Dissolved Solids** |
|---|---|---|
| Client ID: **LCSW** | Batch ID: **77269** | RunNo: **99453** |
| Prep Date: **9/4/2023** | Analysis Date: **9/5/2023** | SeqNo: **3630359** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 1020 | 50.0 | 1000 | 0 | 102 | 80 | 120 | | | |

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. |
| B | Analyte detected in the associated Method Blank |
| E | Above Quantitation Range/Estimated Value |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2308H32**

***12-Sep-23***

**Client:** EA Engineering

**Project:** Dona Ana Dairies

| Sample ID: **MB-77316** | SampType: **MBLK** | TestCode: **SM 4500 Norg C: TKN** | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Client ID: **PBW** | Batch ID: **77316** | RunNo: **99488** | | | | | | | |
| Prep Date: **9/6/2023** | Analysis Date: **9/6/2023** | SeqNo: **3632171** | Units: **mg/L** | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Nitrogen, Kjeldahl, Total | ND | 1.0 | | | | | | | | |

| Sample ID: **LCS-77316** | SampType: **LCS** | TestCode: **SM 4500 Norg C: TKN** | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Client ID: **LCSW** | Batch ID: **77316** | RunNo: **99488** | | | | | | | |
| Prep Date: **9/6/2023** | Analysis Date: **9/6/2023** | SeqNo: **3632172** | Units: **mg/L** | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Nitrogen, Kjeldahl, Total | 10 | 1.0 | 10.00 | 0 | 101 | 80 | 120 | | | |

| Sample ID: **MB-77353** | SampType: **MBLK** | TestCode: **SM 4500 Norg C: TKN** | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Client ID: **PBW** | Batch ID: **77353** | RunNo: **99551** | | | | | | | |
| Prep Date: **9/7/2023** | Analysis Date: **9/8/2023** | SeqNo: **3635245** | Units: **mg/L** | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Nitrogen, Kjeldahl, Total | ND | 1.0 | | | | | | | | |

| Sample ID: **LCS-77353** | SampType: **LCS** | TestCode: **SM 4500 Norg C: TKN** | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Client ID: **LCSW** | Batch ID: **77353** | RunNo: **99551** | | | | | | | |
| Prep Date: **9/7/2023** | Analysis Date: **9/8/2023** | SeqNo: **3635246** | Units: **mg/L** | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Nitrogen, Kjeldahl, Total | 10 | 1.0 | 10.00 | 0 | 101 | 80 | 120 | | | |

| Sample ID: **MB-77352** | SampType: **MBLK** | TestCode: **SM 4500 Norg C: TKN** | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Client ID: **PBW** | Batch ID: **77352** | RunNo: **99556** | | | | | | | |
| Prep Date: **9/7/2023** | Analysis Date: **9/8/2023** | SeqNo: **3635574** | Units: **mg/L** | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Nitrogen, Kjeldahl, Total | ND | 1.0 | | | | | | | | |

| Sample ID: **LCS-77352** | SampType: **LCS** | TestCode: **SM 4500 Norg C: TKN** | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Client ID: **LCSW** | Batch ID: **77352** | RunNo: **99556** | | | | | | | |
| Prep Date: **9/7/2023** | Analysis Date: **9/8/2023** | SeqNo: **3635575** | Units: **mg/L** | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Nitrogen, Kjeldahl, Total | 10 | 1.0 | 10.00 | 0 | 102 | 80 | 120 | | | |

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. |
| B | Analyte detected in the associated Method Blank |
| E | Above Quantitation Range/Estimated Value |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

HALL ENVIRONMENTAL ANALYSIS LABORATORY

*Hall Environmental Analysis Laboratory*
*4901 Hawkins NE*
*Albuquerque, NM 87109*
*TEL: 505-345-3975 FAX: 505-345-4107*
*Website: www.hallenvironmental.com*

# Sample Log-In Check List

Client Name: EA Engineering | Work Order Number: 2308H32 | RcptNo: 1

Received By: Juan Rojas 8/31/2023 8:45:00 AM

Completed By: Tracy Casarrubias 8/31/2023 10:25:58 AM

Reviewed By: 8/31/23

## Chain of Custody

| | | | |
|---|---|---|---|
| 1. Is Chain of Custody complete? | Yes ☑ | No ☐ | Not Present ☐ |
| 2. How was the sample delivered? | FedEx | | |

## Log In

| | | | |
|---|---|---|---|
| 3. Was an attempt made to cool the samples? | Yes ☑ | No ☐ | NA ☐ |
| 4. Were all samples received at a temperature of >0° C to 6.0°C | Yes ☑ | No ☐ | NA ☐ |
| 5. Sample(s) in proper container(s)? | Yes ☑ | No ☐ | |
| 6. Sufficient sample volume for indicated test(s)? | Yes ☑ | No ☐ | |
| 7. Are samples (except VOA and ONG) properly preserved? | Yes ☑ | No ☐ | |
| 8. Was preservative added to bottles? | Yes ☐ | No ☑ | NA ☐ |
| 9. Received at least 1 vial with headspace <1/4" for AQ VOA? | Yes ☐ | No ☐ | NA ☑ |
| 10. Were any sample containers received broken? | Yes ☐ | No ☑ | |
| 11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) | Yes ☑ | No ☐ | # of preserved bottles checked for pH: 3 |
| 12. Are matrices correctly identified on Chain of Custody? | Yes ☑ | No ☐ | (<2 or >12 unless noted) Adjusted? NO |
| 13. Is it clear what analyses were requested? | Yes ☑ | No ☐ | |
| 14. Were all holding times able to be met? (If no, notify customer for authorization.) | Yes ☑ | No ☐ | Checked by: SCM 8/31/23 |

## Special Handling (if applicable)

| | | | |
|---|---|---|---|
| 15. Was client notified of all discrepancies with this order? | Yes ☐ | No ☐ | NA ☑ |

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. **Cooler Information**

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|---|---|---|---|---|---|---|
| 1 | 0 | Good | Not Present | Morty | | |

# Chain-of-Custody Record

Client: EA Engineering, Science, and Technology

Mailing Address: 320 Gold Ave SW Suite

Phone #: 505-715-4279

email or Fax#: rmullen@eaest.com

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☑ Standard ☐ Rush

Project Name: Dona Ana Dairies (DAD'S)

Project #:

Project Manager: Gina Mullen

Sampler: Angel Nieto Rivera

On Ice: ☑ Yes ☐ No

# of Coolers: 1 Marty

Cooler Temp(Including CF): 0.2-0.2=0


HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107


| Date | Time | Matrix | Sample Name | Container Type and # | Preservative Type | HEAL No. 2308H32 |
|---|---|---|---|---|---|---|
| 8-30 | 12:40 | GW | DAD-01 | 2 | | 001 |
| 8-30 | 14:27 | GW | DAD-12 | 2 | | 002 |
| 8-30 | 15:50 | GW | DAD-13 | 2 | | 003 |

Analysis Request

| HEAL No. 2308H32 | Nitrate/Nitrites EPA Method 300 | TKN SM 4500 NORG C | Chloride EPA 300 | TDS SM 2540 C MOD | Sulfate EPA 300 | | Phosphorus EPA 6010B | Total Sulfur | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 001 | X | X | X | X | | | | | | | | | | | |
| 002 | X | X | X | X | | | | | | | | | | | |
| 003 | X | X | X | X | | | | | | | | | | | |

| Date | Time | Relinquished by: | Received by: | Via: | Date | Time |
|---|---|---|---|---|---|---|
| 8-30 | 17:20 | | | FedEx | 8/31/23 | 8:45 |
| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

*Hall Environmental Analysis Laboratory*
*4901 Hawkins NE*
*Albuquerque, NM 87109*
*TEL: 505-345-3975 FAX: 505-345-4107*
*Website: www.hallenvironmental.com*

September 12, 2023

Regina Mullen

EA Engineering
320 Gold Ave SW Suite 1210
Albuquerque, NM 87102
TEL:
FAX:

RE: Del Oro Dairy OrderNo.: 2308H33

Dear Regina Mullen:

Hall Environmental Analysis Laboratory received 1 sample(s) on 8/31/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman

Laboratory Manager

4901 Hawkins NE
Albuquerque, NM 87109

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering
**Client Sample ID:** EW-02
**Project:** Del Oro Dairy
**Collection Date:** 8/30/2023 10:15:00 AM
**Lab ID:** 2308H33-001
**Matrix:** GROUNDWA
**Received Date:** 8/31/2023 8:45:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **SNS** | |
| Chloride | 810 | 50 | * | mg/L | 100 | 8/31/2023 6:03:08 PM | R99400 |
| Nitrogen, Nitrite (As N) | ND | 1.0 | | mg/L | 10 | 8/31/2023 5:50:16 PM | R99400 |
| Nitrogen, Nitrate (As N) | 120 | 10 | * | mg/L | 100 | 8/31/2023 6:03:08 PM | R99400 |
| Sulfate | 460 | 50 | * | mg/L | 100 | 8/31/2023 6:03:08 PM | R99400 |
| **SM2540C MOD: TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **KS** | |
| Total Dissolved Solids | 3340 | 50.0 | * | mg/L | 1 | 9/5/2023 5:42:00 PM | 77269 |
| **SM 4500 NORG C: TKN** | | | | | | Analyst: **DML** | |
| Nitrogen, Kjeldahl, Total | ND | 5.0 | D | mg/L | 1 | 9/8/2023 1:52:00 PM | 77352 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2308H33**

***12-Sep-23***

**Client:** EA Engineering

**Project:** Del Oro Dairy

| Sample ID: **MB** | SampType: **MBLK** | TestCode: **EPA Method 300.0: Anions** |
|---|---|---|
| Client ID: **PBW** | Batch ID: **R99400** | RunNo: **99400** |
| Prep Date: | Analysis Date: **8/31/2023** | SeqNo: **3627415** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | ND | 0.50 | | | | | | | | |
| Nitrogen, Nitrite (As N) | ND | 0.10 | | | | | | | | |
| Nitrogen, Nitrate (As N) | ND | 0.10 | | | | | | | | |
| Sulfate | ND | 0.50 | | | | | | | | |

| Sample ID: **LCS** | SampType: **LCS** | TestCode: **EPA Method 300.0: Anions** |
|---|---|---|
| Client ID: **LCSW** | Batch ID: **R99400** | RunNo: **99400** |
| Prep Date: | Analysis Date: **8/31/2023** | SeqNo: **3627421** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 4.6 | 0.50 | 5.000 | 0 | 92.2 | 90 | 110 | | | |
| Nitrogen, Nitrite (As N) | 0.97 | 0.10 | 1.000 | 0 | 97.4 | 90 | 110 | | | |
| Nitrogen, Nitrate (As N) | 2.5 | 0.10 | 2.500 | 0 | 98.4 | 90 | 110 | | | |
| Sulfate | 9.5 | 0.50 | 10.00 | 0 | 95.5 | 90 | 110 | | | |

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. |
| B | Analyte detected in the associated Method Blank |
| E | Above Quantitation Range/Estimated Value |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2308H33**

***12-Sep-23***

**Client:** EA Engineering

**Project:** Del Oro Dairy

| Sample ID: **MB-77269** | SampType: **MBLK** | TestCode: **SM2540C MOD: Total Dissolved Solids** |
|---|---|---|
| Client ID: **PBW** | Batch ID: **77269** | RunNo: **99453** |
| Prep Date: **9/4/2023** | Analysis Date: **9/5/2023** | SeqNo: **3630358** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | ND | 50.0 | | | | | | | | |

| Sample ID: **LCS-77269** | SampType: **LCS** | TestCode: **SM2540C MOD: Total Dissolved Solids** |
|---|---|---|
| Client ID: **LCSW** | Batch ID: **77269** | RunNo: **99453** |
| Prep Date: **9/4/2023** | Analysis Date: **9/5/2023** | SeqNo: **3630359** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 1020 | 50.0 | 1000 | 0 | 102 | 80 | 120 | | | |

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. |
| B | Analyte detected in the associated Method Blank |
| E | Above Quantitation Range/Estimated Value |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2308H33**

***12-Sep-23***

**Client:** EA Engineering

**Project:** Del Oro Dairy

| Sample ID: **MB-77352** | SampType: **MBLK** | TestCode: **SM 4500 Norg C: TKN** |
|---|---|---|
| Client ID: **PBW** | Batch ID: **77352** | RunNo: **99556** |
| Prep Date: **9/7/2023** | Analysis Date: **9/8/2023** | SeqNo: **3635574** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Nitrogen, Kjeldahl, Total | ND | 1.0 | | | | | | | | |

| Sample ID: **LCS-77352** | SampType: **LCS** | TestCode: **SM 4500 Norg C: TKN** |
|---|---|---|
| Client ID: **LCSW** | Batch ID: **77352** | RunNo: **99556** |
| Prep Date: **9/7/2023** | Analysis Date: **9/8/2023** | SeqNo: **3635575** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Nitrogen, Kjeldahl, Total | 10 | 1.0 | 10.00 | 0 | 102 | 80 | 120 | | | |

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. |
| B | Analyte detected in the associated Method Blank |
| E | Above Quantitation Range/Estimated Value |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

HALL ENVIRONMENTAL ANALYSIS LABORATORY

*Hall Environmental Analysis Laboratory*
*4901 Hawkins NE*
*Albuquerque, NM 87109*
*TEL: 505-345-3975 FAX: 505-345-4107*
*Website: www.hallenvironmental.com*

# Sample Log-In Check List

Client Name: EA Engineering | Work Order Number: 2308H33 | RcptNo: 1

Received By: Juan Rojas 8/31/2023 8:45:00 AM

Completed By: Tracy Casarrubias 8/31/2023 10:31:03 AM

Reviewed By: 8/31/23

## Chain of Custody

| | | | |
|---|---|---|---|
| 1. Is Chain of Custody complete? | Yes ☑ | No ☐ | Not Present ☐ |
| 2. How was the sample delivered? | FedEx | | |

## Log In

| | | | |
|---|---|---|---|
| 3. Was an attempt made to cool the samples? | Yes ☑ | No ☐ | NA ☐ |
| 4. Were all samples received at a temperature of >0° C to 6.0°C | Yes ☑ | No ☐ | NA ☐ |
| 5. Sample(s) in proper container(s)? | Yes ☑ | No ☐ | |
| 6. Sufficient sample volume for indicated test(s)? | Yes ☑ | No ☐ | |
| 7. Are samples (except VOA and ONG) properly preserved? | Yes ☑ | No ☐ | |
| 8. Was preservative added to bottles? | Yes ☐ | No ☑ | NA ☐ |
| 9. Received at least 1 vial with headspace <1/4" for AQ VOA? | Yes ☐ | No ☐ | NA ☑ |
| 10. Were any sample containers received broken? | Yes ☐ | No ☑ | |
| 11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) | Yes ☑ | No ☐ | # of preserved bottles checked for pH: 1 |
| 12. Are matrices correctly identified on Chain of Custody? | Yes ☑ | No ☐ | (<2 or >12 unless noted) Adjusted? NO |
| 13. Is it clear what analyses were requested? | Yes ☑ | No ☐ | |
| 14. Were all holding times able to be met? (If no, notify customer for authorization.) | Yes ☑ | No ☐ | Checked by: SCM 8/31/23 |

## Special Handling (if applicable)

| | | | |
|---|---|---|---|
| 15. Was client notified of all discrepancies with this order? | Yes ☐ | No ☐ | NA ☑ |

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. **Cooler Information**

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|---|---|---|---|---|---|---|
| 1 | 0 | Good | Not Present | Morty | | |

# Chain-of-Custody Record

Client: EA Engineering, Science, and Technology

Mailing Address: 320 Gold Ave SW Suite

Phone #: 505-715-4279

email or Fax#: rmullen@eaest.com

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

☐ NELAC ☐ Other_____

☐ EDD (Type) _____

Turn-Around Time:

☑ Standard ☐ Rush_____

Project Name: Del Oro Dairy

Project #:

Project Manager: Gina Mullen

Sampler: Angel N. Rivera

On Ice: ☑ Yes ☐ No

# of Coolers: 1 Morty

Cooler Temp(including CF): 0.2-0.2=0


**HALL ENVIRONMENTAL ANALYSIS LABORATORY**

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107


**Analysis Request**

| Date | Time | Matrix | Sample Name | Container Type and # | Preservative Type | HEAL No. 2308H33 | Nitrate/Nitrites EPA Method 300.0 | TKN SM 4500 NORG C | Chloride EPA 300 | TDS SM 2540 C MOD | Sulfate EPA 300 | | Phosphorus EPA 6010B | Total Sulfur | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8-30 | 10:15 | Gw | EW-02 | 2 | | 001 | X | X | X | X | X | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
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| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |
|---|---|---|---|---|---|---|
| 8-30 | 17:20 | | | FedEx | 8/31/23 | 8:45 |
| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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*Website: www.hallenvironmental.com*

August 21, 2023

Regina Mullen

EA Engineering
320 Gold Ave SW Suite 1210
Albuquerque, NM 87102
TEL:
FAX:

RE: Bright Star Dairy OrderNo.: 2308497

Dear Regina Mullen:

Hall Environmental Analysis Laboratory received 3 sample(s) on 8/9/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman

Laboratory Manager

4901 Hawkins NE
Albuquerque, NM 87109

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering
**Client Sample ID:** 340-01
**Project:** Bright Star Dairy
**Collection Date:** 8/8/2023 10:38:00 AM
**Lab ID:** 2308497-001
**Matrix:** GROUNDWA
**Received Date:** 8/9/2023 8:45:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **SNS** | |
| Chloride | 610 | 50 | * | mg/L | 100 | 8/9/2023 10:43:40 PM | R98864 |
| Nitrogen, Nitrite (As N) | ND | 1.0 | | mg/L | 10 | 8/9/2023 10:31:19 PM | R98864 |
| Nitrogen, Nitrate (As N) | 65 | 1.0 | * | mg/L | 10 | 8/9/2023 10:31:19 PM | R98864 |
| Sulfate | 490 | 50 | * | mg/L | 100 | 8/9/2023 10:43:40 PM | R98864 |
| **SM2540C MOD: TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **KS** | |
| Total Dissolved Solids | 2870 | 100 | *D | mg/L | 1 | 8/14/2023 5:18:00 PM | 76808 |
| **SM 4500 NORG C: TKN** | | | | | | Analyst: **DML** | |
| Nitrogen, Kjeldahl, Total | ND | 5.0 | D | mg/L | 1 | 8/17/2023 11:58:00 AM | 76865 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering
**Client Sample ID:** 70/86/340-01
**Project:** Bright Star Dairy
**Collection Date:** 8/8/2023 1:15:00 PM
**Lab ID:** 2308497-002
**Matrix:** GROUNDWA
**Received Date:** 8/9/2023 8:45:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **JMT** | |
| Chloride | 2400 | 100 | * | mg/L | 200 | 8/15/2023 5:40:28 AM | R98937 |
| Nitrogen, Nitrite (As N) | ND | 10 | | mg/L | 100 | 8/9/2023 11:08:22 PM | R98864 |
| Nitrogen, Nitrate (As N) | 69 | 10 | * | mg/L | 100 | 8/9/2023 11:08:22 PM | R98864 |
| Sulfate | 1500 | 50 | * | mg/L | 100 | 8/9/2023 11:08:22 PM | R98864 |
| **SM2540C MOD: TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **KS** | |
| Total Dissolved Solids | 7090 | 50.0 | * | mg/L | 1 | 8/14/2023 5:18:00 PM | 76808 |
| **SM 4500 NORG C: TKN** | | | | | | Analyst: **DML** | |
| Nitrogen, Kjeldahl, Total | ND | 5.0 | D | mg/L | 1 | 8/15/2023 8:22:00 AM | 76841 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering
**Client Sample ID:** 86/340-01
**Project:** Bright Star Dairy
**Collection Date:** 8/8/2023 3:36:00 PM
**Lab ID:** 2308497-003
**Matrix:** GROUNDWA
**Received Date:** 8/9/2023 8:45:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **SNS** | |
| Chloride | 260 | 50 | * | mg/L | 100 | 8/9/2023 11:33:03 PM | R98864 |
| Nitrogen, Nitrite (As N) | ND | 1.0 | | mg/L | 10 | 8/9/2023 11:20:43 PM | R98864 |
| Nitrogen, Nitrate (As N) | 2.5 | 1.0 | | mg/L | 10 | 8/9/2023 11:20:43 PM | R98864 |
| Sulfate | 830 | 50 | * | mg/L | 100 | 8/9/2023 11:33:03 PM | R98864 |
| **SM2540C MOD: TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **KS** | |
| Total Dissolved Solids | 2280 | 50.0 | * | mg/L | 1 | 8/14/2023 5:18:00 PM | 76808 |
| **SM 4500 NORG C: TKN** | | | | | | Analyst: **DML** | |
| Nitrogen, Kjeldahl, Total | ND | 1.0 | | mg/L | 1 | 8/15/2023 8:22:00 AM | 76841 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2308497**

***21-Aug-23***

**Client:** EA Engineering

**Project:** Bright Star Dairy

| Sample ID: **MB** | SampType: **MBLK** | TestCode: **EPA Method 300.0: Anions** |
|---|---|---|
| Client ID: **PBW** | Batch ID: **R98864** | RunNo: **98864** |
| Prep Date: | Analysis Date: **8/9/2023** | SeqNo: **3601903** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | ND | 0.50 | | | | | | | | |
| Nitrogen, Nitrite (As N) | ND | 0.10 | | | | | | | | |
| Nitrogen, Nitrate (As N) | ND | 0.10 | | | | | | | | |
| Sulfate | ND | 0.50 | | | | | | | | |

| Sample ID: **LCS** | SampType: **LCS** | TestCode: **EPA Method 300.0: Anions** |
|---|---|---|
| Client ID: **LCSW** | Batch ID: **R98864** | RunNo: **98864** |
| Prep Date: | Analysis Date: **8/9/2023** | SeqNo: **3601904** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 4.5 | 0.50 | 5.000 | 0 | 90.0 | 90 | 110 | | | |
| Nitrogen, Nitrite (As N) | 0.94 | 0.10 | 1.000 | 0 | 94.3 | 90 | 110 | | | |
| Nitrogen, Nitrate (As N) | 2.5 | 0.10 | 2.500 | 0 | 98.3 | 90 | 110 | | | |
| Sulfate | 9.4 | 0.50 | 10.00 | 0 | 93.8 | 90 | 110 | | | |

| Sample ID: **MB** | SampType: **mblk** | TestCode: **EPA Method 300.0: Anions** |
|---|---|---|
| Client ID: **PBW** | Batch ID: **R98937** | RunNo: **98937** |
| Prep Date: | Analysis Date: **8/15/2023** | SeqNo: **3606048** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | ND | 0.50 | | | | | | | | |

| Sample ID: **LCS** | SampType: **lcs** | TestCode: **EPA Method 300.0: Anions** |
|---|---|---|
| Client ID: **LCSW** | Batch ID: **R98937** | RunNo: **98937** |
| Prep Date: | Analysis Date: **8/15/2023** | SeqNo: **3606049** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 4.6 | 0.50 | 5.000 | 0 | 92.8 | 90 | 110 | | | |

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2308497**

***21-Aug-23***

**Client:** EA Engineering

**Project:** Bright Star Dairy

| Sample ID: **MB-76808** | SampType: **MBLK** | TestCode: **SM2540C MOD: Total Dissolved Solids** |
|---|---|---|
| Client ID: **PBW** | Batch ID: **76808** | RunNo: **98942** |
| Prep Date: **8/10/2023** | Analysis Date: **8/14/2023** | SeqNo: **3605504** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | ND | 50.0 | | | | | | | | |

| Sample ID: **LCS-76808** | SampType: **LCS** | TestCode: **SM2540C MOD: Total Dissolved Solids** |
|---|---|---|
| Client ID: **LCSW** | Batch ID: **76808** | RunNo: **98942** |
| Prep Date: **8/10/2023** | Analysis Date: **8/14/2023** | SeqNo: **3605505** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 1000 | 50.0 | 1000 | 0 | 101 | 80 | 120 | | | |

| Sample ID: **2308497-002ADUP** | SampType: **DUP** | TestCode: **SM2540C MOD: Total Dissolved Solids** |
|---|---|---|
| Client ID: **70/86/340-01** | Batch ID: **76808** | RunNo: **98942** |
| Prep Date: **8/10/2023** | Analysis Date: **8/14/2023** | SeqNo: **3605523** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 7020 | 50.0 | | | | | | 0.964 | 10 | * |

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. |
| B | Analyte detected in the associated Method Blank |
| E | Above Quantitation Range/Estimated Value |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2308497**

***21-Aug-23***

**Client:** EA Engineering

**Project:** Bright Star Dairy

| Sample ID: **MB-76841** | SampType: **MBLK** | TestCode: **SM 4500 Norg C: TKN** | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Client ID: **PBW** | Batch ID: **76841** | RunNo: **98963** | | | | | | | |
| Prep Date: **8/14/2023** | Analysis Date: **8/15/2023** | SeqNo: **3606504** | Units: **mg/L** | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Nitrogen, Kjeldahl, Total | ND | 1.0 | | | | | | | | |

| Sample ID: **LCS-76841** | SampType: **LCS** | TestCode: **SM 4500 Norg C: TKN** | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Client ID: **LCSW** | Batch ID: **76841** | RunNo: **98963** | | | | | | | |
| Prep Date: **8/14/2023** | Analysis Date: **8/15/2023** | SeqNo: **3606505** | Units: **mg/L** | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Nitrogen, Kjeldahl, Total | 10 | 1.0 | 10.00 | 0 | 101 | 80 | 120 | | | |

| Sample ID: **MB-76865** | SampType: **MBLK** | TestCode: **SM 4500 Norg C: TKN** | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Client ID: **PBW** | Batch ID: **76865** | RunNo: **99043** | | | | | | | |
| Prep Date: **8/15/2023** | Analysis Date: **8/17/2023** | SeqNo: **3609901** | Units: **mg/L** | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Nitrogen, Kjeldahl, Total | ND | 1.0 | | | | | | | | |

| Sample ID: **LCS-76865** | SampType: **LCS** | TestCode: **SM 4500 Norg C: TKN** | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Client ID: **LCSW** | Batch ID: **76865** | RunNo: **99043** | | | | | | | |
| Prep Date: **8/15/2023** | Analysis Date: **8/17/2023** | SeqNo: **3609902** | Units: **mg/L** | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Nitrogen, Kjeldahl, Total | 10 | 1.0 | 10.00 | 0 | 101 | 80 | 120 | | | |

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

HALL ENVIRONMENTAL ANALYSIS LABORATORY

*Hall Environmental Analysis Laboratory*
*4901 Hawkins NE*
*Albuquerque, NM 87109*
*TEL: 505-345-3975 FAX: 505-345-4107*
*Website: www.hallenvironmental.com*

# Sample Log-In Check List

Client Name: EA Engineering | Work Order Number: 2308497 | RcptNo: 1

Received By: Joseph Alderette 8/9/2023 8:45:00 AM

Completed By: Desiree Dominguez 8/9/2023 11:05:36 AM

Reviewed By: SCM 08/09/23

## Chain of Custody

| | | | |
|---|---|---|---|
| 1. Is Chain of Custody complete? | Yes ☑ | No ☐ | Not Present ☐ |
| 2. How was the sample delivered? | FedEx | | |

## Log In

| | | | |
|---|---|---|---|
| 3. Was an attempt made to cool the samples? | Yes ☑ | No ☐ | NA ☐ |
| 4. Were all samples received at a temperature of >0° C to 6.0°C | Yes ☑ | No ☐ | NA ☐ |
| 5. Sample(s) in proper container(s)? | Yes ☑ | No ☐ | |
| 6. Sufficient sample volume for indicated test(s)? | Yes ☑ | No ☐ | |
| 7. Are samples (except VOA and ONG) properly preserved? | Yes ☑ | No ☐ | |
| 8. Was preservative added to bottles? | Yes ☐ | No ☑ | NA ☐ |
| 9. Received at least 1 vial with headspace <1/4" for AQ VOA? | Yes ☐ | No ☐ | NA ☑ |
| 10. Were any sample containers received broken? | Yes ☐ | No ☑ | |
| 11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) | Yes ☑ | No ☐ | |
| 12. Are matrices correctly identified on Chain of Custody? | Yes ☑ | No ☐ | |
| 13. Is it clear what analyses were requested? | Yes ☑ | No ☐ | |
| 14. Were all holding times able to be met? (If no, notify customer for authorization.) | Yes ☑ | No ☐ | |

# of preserved bottles checked for pH: 3 (<2 or >12 unless noted)

Adjusted? NO

Checked by: JM 8/9/23

## Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: Date:

By Whom: Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding:

Client Instructions:

16. Additional remarks:

17. **Cooler Information**

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|---|---|---|---|---|---|---|
| 1 | 0.5 | Good | Not Present | | | |

# Chain-of-Custody Record

Client: EA Engineering, Science, and Technology

Mailing Address: 320 Gold Ave SW Suite

Phone #: 505-715-4279

email or Fax#: rmullen@eaest.com

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other_____
☐ EDD (Type) _____

Turn-Around Time:
☑ Standard ☐ Rush_____

Project Name: Bright Star Dairy

Project #:

Project Manager: Gina Mullen

Sampler: Angel N. Rivera

On Ice: ☑ Yes ☐ No

# of Coolers: 1 (0°C)

Cooler Temp (including CF): 0.4 + 0.1 = 0.5°C


**HALL ENVIRONMENTAL ANALYSIS LABORATORY**

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107


**Analysis Request**

| Date | Time | Matrix | Sample Name | Container Type and # | Preservative Type | HEAL No. 2308497 | Nitrate/Nitrites EPA Method 300 | TKN SM 4500 NORG C | Chloride EPA 300 | TDS SM 2540 C MOD | Sulfate EPA 300 | Phosphorus EPA 6010B | Total Sulfur |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8-8 | 10:38 | Gw | 340-01 | 2 | | 001 | X | X | X | X | X | | |
| 8-8 | 13:15 | Gw | 70/86/340-01 | 2 | | 002 | X | X | X | X | X | | |
| 8-8 | 1536 | Gw | 86/340-01 | 2 | | 003 | X | X | X | X | X | | |

| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |
|---|---|---|---|---|---|---|
| 8-8 | 17:35 | | | fedex | 8-9-23 | 8:45 |
| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

*Hall Environmental Analysis Laboratory*
*4901 Hawkins NE*
*Albuquerque, NM 87109*
*TEL: 505-345-3975 FAX: 505-345-4107*
*Website: www.hallenvironmental.com*

August 21, 2023

Regina Mullen

EA Engineering
320 Gold Ave SW Suite 1210
Albuquerque, NM 87102
TEL:
FAX:

RE: Mountain View Dairy OrderNo.: 2308580

Dear Regina Mullen:

Hall Environmental Analysis Laboratory received 4 sample(s) on 8/10/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman

Laboratory Manager

4901 Hawkins NE
Albuquerque, NM 87109

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering
**Client Sample ID:** 70-03
**Project:** Mountain View Dairy
**Collection Date:** 8/9/2023 10:00:00 AM
**Lab ID:** 2308580-001
**Matrix:** GROUNDWA
**Received Date:** 8/10/2023 9:15:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **JMT** | |
| Chloride | 1600 | 50 | * | mg/L | 100 | 8/10/2023 3:41:41 PM | R98894 |
| Nitrogen, Nitrite (As N) | ND | 1.0 | | mg/L | 10 | 8/10/2023 3:29:20 PM | R98894 |
| Nitrogen, Nitrate (As N) | 38 | 1.0 | * | mg/L | 10 | 8/10/2023 3:29:20 PM | R98894 |
| Sulfate | 860 | 50 | * | mg/L | 100 | 8/10/2023 3:41:41 PM | R98894 |
| **SM2540C MOD: TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **MCA** | |
| Total Dissolved Solids | 4400 | 250 | *D | mg/L | 1 | 8/21/2023 9:07:00 AM | 76903 |
| **SM 4500 NORG C: TKN** | | | | | | Analyst: **DML** | |
| Nitrogen, Kjeldahl, Total | ND | 5.0 | D | mg/L | 1 | 8/16/2023 9:31:00 AM | 76867 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering
**Client Sample ID:** 70-01
**Project:** Mountain View Dairy
**Collection Date:** 8/9/2023 11:50:00 AM
**Lab ID:** 2308580-002
**Matrix:** GROUNDWA
**Received Date:** 8/10/2023 9:15:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **JMT** | |
| Chloride | 640 | 50 | * | mg/L | 100 | 8/10/2023 4:31:03 PM | R98894 |
| Nitrogen, Nitrite (As N) | ND | 1.0 | | mg/L | 10 | 8/10/2023 4:18:43 PM | R98894 |
| Nitrogen, Nitrate (As N) | 13 | 1.0 | * | mg/L | 10 | 8/10/2023 4:18:43 PM | R98894 |
| Sulfate | 740 | 50 | * | mg/L | 100 | 8/10/2023 4:31:03 PM | R98894 |
| **SM2540C MOD: TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **MCA** | |
| Total Dissolved Solids | 3180 | 50.0 | * | mg/L | 1 | 8/21/2023 9:07:00 AM | 76903 |
| **SM 4500 NORG C: TKN** | | | | | | Analyst: **DML** | |
| Nitrogen, Kjeldahl, Total | ND | 2.0 | D | mg/L | 1 | 8/16/2023 9:31:00 AM | 76867 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering
**Client Sample ID:** 70-02
**Project:** Mountain View Dairy
**Collection Date:** 8/9/2023 2:22:00 PM
**Lab ID:** 2308580-003
**Matrix:** GROUNDWA
**Received Date:** 8/10/2023 9:15:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **JMT** | |
| Chloride | 580 | 50 | * | mg/L | 100 | 8/10/2023 4:55:45 PM | R98894 |
| Nitrogen, Nitrite (As N) | ND | 1.0 | | mg/L | 10 | 8/10/2023 4:43:24 PM | R98894 |
| Nitrogen, Nitrate (As N) | 24 | 1.0 | * | mg/L | 10 | 8/10/2023 4:43:24 PM | R98894 |
| Sulfate | 540 | 50 | * | mg/L | 100 | 8/10/2023 4:55:45 PM | R98894 |
| **SM2540C MOD: TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **MCA** | |
| Total Dissolved Solids | 2910 | 100 | *D | mg/L | 1 | 8/21/2023 9:07:00 AM | 76903 |
| **SM 4500 NORG C: TKN** | | | | | | Analyst: **DML** | |
| Nitrogen, Kjeldahl, Total | ND | 5.0 | D | mg/L | 1 | 8/16/2023 9:31:00 AM | 76867 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering
**Client Sample ID:** 70-04
**Project:** Mountain View Dairy
**Collection Date:** 8/9/2023 3:45:00 PM
**Lab ID:** 2308580-004
**Matrix:** GROUNDWA
**Received Date:** 8/10/2023 9:15:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **JMT** | |
| Chloride | 580 | 50 | * | mg/L | 100 | 8/10/2023 5:49:02 PM | R98894 |
| Nitrogen, Nitrite (As N) | ND | 1.0 | | mg/L | 10 | 8/10/2023 5:36:42 PM | R98894 |
| Nitrogen, Nitrate (As N) | 19 | 1.0 | * | mg/L | 10 | 8/10/2023 5:36:42 PM | R98894 |
| Sulfate | 680 | 50 | * | mg/L | 100 | 8/10/2023 5:49:02 PM | R98894 |
| **SM2540C MOD: TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **MCA** | |
| Total Dissolved Solids | 3040 | 100 | *D | mg/L | 1 | 8/21/2023 9:07:00 AM | 76903 |
| **SM 4500 NORG C: TKN** | | | | | | Analyst: **DML** | |
| Nitrogen, Kjeldahl, Total | ND | 2.0 | D | mg/L | 1 | 8/16/2023 9:31:00 AM | 76867 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2308580**

***21-Aug-23***

**Client:** EA Engineering

**Project:** Mountain View Dairy

| Sample ID: **MB** | SampType: **MBLK** | TestCode: **EPA Method 300.0: Anions** |
|---|---|---|
| Client ID: **PBW** | Batch ID: **R98894** | RunNo: **98894** |
| Prep Date: | Analysis Date: **8/10/2023** | SeqNo: **3603064** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | ND | 0.50 | | | | | | | | |
| Nitrogen, Nitrite (As N) | ND | 0.10 | | | | | | | | |
| Nitrogen, Nitrate (As N) | ND | 0.10 | | | | | | | | |
| Sulfate | ND | 0.50 | | | | | | | | |

| Sample ID: **LCS** | SampType: **LCS** | TestCode: **EPA Method 300.0: Anions** |
|---|---|---|
| Client ID: **LCSW** | Batch ID: **R98894** | RunNo: **98894** |
| Prep Date: | Analysis Date: **8/10/2023** | SeqNo: **3603065** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 4.7 | 0.50 | 5.000 | 0 | 93.5 | 90 | 110 | | | |
| Nitrogen, Nitrite (As N) | 0.97 | 0.10 | 1.000 | 0 | 97.2 | 90 | 110 | | | |
| Nitrogen, Nitrate (As N) | 2.5 | 0.10 | 2.500 | 0 | 101 | 90 | 110 | | | |
| Sulfate | 9.6 | 0.50 | 10.00 | 0 | 96.1 | 90 | 110 | | | |

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. |
| B | Analyte detected in the associated Method Blank |
| E | Above Quantitation Range/Estimated Value |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2308580**

***21-Aug-23***

**Client:** EA Engineering

**Project:** Mountain View Dairy

| Sample ID: **MB-76903** | SampType: **MBLK** | TestCode: **SM2540C MOD: Total Dissolved Solids** |
|---|---|---|
| Client ID: **PBW** | Batch ID: **76903** | RunNo: **99094** |
| Prep Date: **8/16/2023** | Analysis Date: **8/21/2023** | SeqNo: **3612012** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | ND | 50.0 | | | | | | | | |

| Sample ID: **LCS-76903** | SampType: **LCS** | TestCode: **SM2540C MOD: Total Dissolved Solids** |
|---|---|---|
| Client ID: **LCSW** | Batch ID: **76903** | RunNo: **99094** |
| Prep Date: **8/16/2023** | Analysis Date: **8/21/2023** | SeqNo: **3612013** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 1000 | 50.0 | 1000 | 0 | 100 | 80 | 120 | | | |

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. |
| B | Analyte detected in the associated Method Blank |
| E | Above Quantitation Range/Estimated Value |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2308580**

***21-Aug-23***

**Client:** EA Engineering

**Project:** Mountain View Dairy

| Sample ID: **MB-76867** | SampType: **MBLK** | TestCode: **SM 4500 Norg C: TKN** |
|---|---|---|
| Client ID: **PBW** | Batch ID: **76867** | RunNo: **99017** |
| Prep Date: **8/15/2023** | Analysis Date: **8/16/2023** | SeqNo: **3608729** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Nitrogen, Kjeldahl, Total | ND | 1.0 | | | | | | | | |

| Sample ID: **LCS-76867** | SampType: **LCS** | TestCode: **SM 4500 Norg C: TKN** |
|---|---|---|
| Client ID: **LCSW** | Batch ID: **76867** | RunNo: **99017** |
| Prep Date: **8/15/2023** | Analysis Date: **8/16/2023** | SeqNo: **3608730** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Nitrogen, Kjeldahl, Total | 9.9 | 1.0 | 10.00 | 0 | 99.4 | 80 | 120 | | | |

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

HALL ENVIRONMENTAL ANALYSIS LABORATORY

*Hall Environmental Analysis Laboratory*
*4901 Hawkins NE*
*Albuquerque, NM 87109*
*TEL: 505-345-3975 FAX: 505-345-4107*
*Website: www.hallenvironmental.com*

# Sample Log-In Check List

Client Name: EA Engineering | Work Order Number: 2308580 | RcptNo: 1

Received By: Joseph Alderette 8/10/2023 9:15:00 AM

Completed By: Desiree Dominguez 8/10/2023 9:45:21 AM

Reviewed By: JM 8/10/23

## Chain of Custody

| | | | |
|---|---|---|---|
| 1. Is Chain of Custody complete? | Yes ☑ | No ☐ | Not Present ☐ |
| 2. How was the sample delivered? | FedEx | | |

## Log In

| | | | |
|---|---|---|---|
| 3. Was an attempt made to cool the samples? | Yes ☑ | No ☐ | NA ☐ |
| 4. Were all samples received at a temperature of >0° C to 6.0°C | Yes ☑ | No ☐ | NA ☐ |
| 5. Sample(s) in proper container(s)? | Yes ☑ | No ☐ | |
| 6. Sufficient sample volume for indicated test(s)? | Yes ☑ | No ☐ | |
| 7. Are samples (except VOA and ONG) properly preserved? | Yes ☑ | No ☐ | |
| 8. Was preserved added to bottles? | Yes ☑ | ~~No ☑~~ JM 8-10-23 | NA ☐ |
| 9. Received at least 1 vial with headspace <1/4" for AQ VOA? | Yes ☐ | No ☐ | NA ☑ |
| 10. Were any sample containers received broken? | Yes ☐ | No ☑ | |
| 11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) | Yes ☑ | No ☐ | |
| 12. Are matrices correctly identified on Chain of Custody? | Yes ☑ | No ☐ | |
| 13. Is it clear what analyses were requested? | Yes ☑ | No ☐ | |
| 14. Were all holding times able to be met? (If no, notify customer for authorization.) | Yes ☑ | No ☐ | |

# of preserved bottles checked for pH: 4 (2 or >12 unless noted)

Adjusted? NO

Checked by: JM 8-10-23

## Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: Date:

By Whom: Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding:

Client Instructions:

16. Additional remarks: Added 1.0 ml of $H_2SO_4$ (chem # 6768) to Sample 003 2of2 for ph less than 2. JM 8.10.2

17. **Cooler Information**

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|---|---|---|---|---|---|---|
| 1 | 5.9 | Good | Not Present | Yogi | | |

# Chain-of-Custody Record

**HALL ENVIRONMENTAL ANALYSIS LABORATORY**

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

| | |
|---|---|
| Client: EA Engineering, Science, and Technology | Turn-Around Time: ☑ Standard ☐ Rush |
| Mailing Address: 320 Gold Ave SW Suite | Project Name: Mountain View Dairy |
| Phone #: 505-715-4279 | Project #: |
| email or Fax#: rmullen@eaest.com | Project Manager: Gina Mullen |
| QA/QC Package: ☐ Standard ☐ Level 4 (Full Validation) | Sampler: Angel N. Rivera |
| Accreditation: ☐ Az Compliance ☐ NELAC ☐ Other | On Ice: ☑ Yes ☐ No |
| ☐ EDD (Type) | # of Coolers: 1 |
| | Cooler Temp(including CF): 5.8 +0.1 = 5.9 °C |

| Date | Time | Matrix | Sample Name | Container Type and # | Preservative Type | HEAL No. 2308580 | Nitrate/Nitrites EPA Method 300 | TKN SM 4500 NORG C | Chloride EPA 300 | TDS SM 2540 C MOD | Sulfate EPA 300 | Phosphorus EPA 6010B | Total Sulfur |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8-9 | 10:00 | Gw | 70-03 | 2 | | -001 | X | X | X | X | X | | |
| 8-9 | 11:50 | Gw | 70-01 | 2 | | -002 | X | X | X | X | X | | |
| 8-9 | 14:22 | Gw | 70-02 | 2 | | -003 | X | X | X | X | X | | |
| 8-9 | 15:45 | Gw | 70-04 | 2 | | -004 | X | X | X | X | X | | |

| Date | Time | Relinquished by: | Received by: | Via: | Date | Time |
|---|---|---|---|---|---|---|
| 8-9 | 17:50 | | | Fedex | 8-10-23 | 9:15 |
| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

*Hall Environmental Analysis Laboratory*
*4901 Hawkins NE*
*Albuquerque, NM 87109*
*TEL: 505-345-3975 FAX: 505-345-4107*
*Website: www.hallenvironmental.com*

August 28, 2023

Regina Mullen

EA Engineering
320 Gold Ave SW Suite 1210
Albuquerque, NM 87102
TEL:
FAX:

RE: Dominguez Dairy 2 OrderNo.: 2308728

Dear Regina Mullen:

Hall Environmental Analysis Laboratory received 3 sample(s) on 8/12/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman

Laboratory Manager

4901 Hawkins NE
Albuquerque, NM 87109

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering
**Client Sample ID:** 42-03
**Project:** Dominguez Dairy 2
**Collection Date:** 8/11/2023 11:23:00 AM
**Lab ID:** 2308728-001
**Matrix:** GROUNDWA
**Received Date:** 8/12/2023 9:30:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **JMT** | |
| Chloride | 1000 | 50 | * | mg/L | 100 | 8/15/2023 8:34:46 AM | R98994 |
| Nitrate+Nitrite as N | 36 | 2.0 | * | mg/L | 10 | 8/18/2023 2:28:05 PM | R99081 |
| **SM2540C MOD: TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **MCA** | |
| Total Dissolved Solids | 3160 | 50.0 | * | mg/L | 1 | 8/21/2023 9:15:00 AM | 76912 |
| **SM 4500 NORG C: TKN** | | | | | | Analyst: **DML** | |
| Nitrogen, Kjeldahl, Total | ND | 5.0 | D | mg/L | 1 | 8/18/2023 10:12:00 AM | 76894 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering
**Client Sample ID:** 42-13
**Project:** Dominguez Dairy 2
**Collection Date:** 8/11/2023 1:36:00 PM
**Lab ID:** 2308728-002
**Matrix:** GROUNDWA
**Received Date:** 8/12/2023 9:30:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **JMT** | |
| Chloride | 1000 | 50 | * | mg/L | 100 | 8/15/2023 8:59:27 AM | R98994 |
| Nitrate+Nitrite as N | 36 | 2.0 | * | mg/L | 10 | 8/18/2023 2:40:27 PM | R99081 |
| **SM2540C MOD: TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **MCA** | |
| Total Dissolved Solids | 3230 | 50.0 | * | mg/L | 1 | 8/21/2023 9:15:00 AM | 76912 |
| **SM 4500 NORG C: TKN** | | | | | | Analyst: **DML** | |
| Nitrogen, Kjeldahl, Total | ND | 5.0 | D | mg/L | 1 | 8/18/2023 10:12:00 AM | 76894 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering
**Client Sample ID:** 42-06
**Project:** Dominguez Dairy 2
**Collection Date:** 8/11/2023 3:19:00 PM
**Lab ID:** 2308728-003
**Matrix:** GROUNDWA
**Received Date:** 8/12/2023 9:30:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **JMT** | |
| Chloride | 330 | 50 | * | mg/L | 100 | 8/15/2023 9:48:50 AM | R98994 |
| Nitrate+Nitrite as N | 60 | 4.0 | * | mg/L | 20 | 8/18/2023 2:52:48 PM | R99081 |
| **SM2540C MOD: TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **MCA** | |
| Total Dissolved Solids | 2170 | 50.0 | * | mg/L | 1 | 8/21/2023 9:15:00 AM | 76912 |
| **SM 4500 NORG C: TKN** | | | | | | Analyst: **DML** | |
| Nitrogen, Kjeldahl, Total | ND | 5.0 | D | mg/L | 1 | 8/18/2023 10:12:00 AM | 76894 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2308728**

***28-Aug-23***

**Client:** EA Engineering

**Project:** Dominguez Dairy 2

| Sample ID: **MB** | SampType: **mblk** | TestCode: **EPA Method 300.0: Anions** |
|---|---|---|
| Client ID: **PBW** | Batch ID: **R98994** | RunNo: **98994** |
| Prep Date: | Analysis Date: **8/15/2023** | SeqNo: **3607607** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | ND | 0.50 | | | | | | | | |

| Sample ID: **LCS** | SampType: **lcs** | TestCode: **EPA Method 300.0: Anions** |
|---|---|---|
| Client ID: **LCSW** | Batch ID: **R98994** | RunNo: **98994** |
| Prep Date: | Analysis Date: **8/15/2023** | SeqNo: **3607608** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 4.7 | 0.50 | 5.000 | 0 | 93.9 | 90 | 110 | | | |

| Sample ID: **LCS** | SampType: **LCS** | TestCode: **EPA Method 300.0: Anions** |
|---|---|---|
| Client ID: **LCSW** | Batch ID: **R99081** | RunNo: **99081** |
| Prep Date: | Analysis Date: **8/18/2023** | SeqNo: **3611508** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Nitrate+Nitrite as N | 3.4 | 0.20 | 3.500 | 0 | 97.4 | 90 | 110 | | | |

| Sample ID: **MB** | SampType: **MBLK** | TestCode: **EPA Method 300.0: Anions** |
|---|---|---|
| Client ID: **PBW** | Batch ID: **R99081** | RunNo: **99081** |
| Prep Date: | Analysis Date: **8/18/2023** | SeqNo: **3611515** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Nitrate+Nitrite as N | ND | 0.20 | | | | | | | | |

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2308728**

***28-Aug-23***

**Client:** EA Engineering

**Project:** Dominguez Dairy 2

| Sample ID: **MB-76912** | SampType: **MBLK** | TestCode: **SM2540C MOD: Total Dissolved Solids** |
|---|---|---|
| Client ID: **PBW** | Batch ID: **76912** | RunNo: **99095** |
| Prep Date: **8/16/2023** | Analysis Date: **8/21/2023** | SeqNo: **3612081** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | ND | 50.0 | | | | | | | | |

| Sample ID: **LCS-76912** | SampType: **LCS** | TestCode: **SM2540C MOD: Total Dissolved Solids** |
|---|---|---|
| Client ID: **LCSW** | Batch ID: **76912** | RunNo: **99095** |
| Prep Date: **8/16/2023** | Analysis Date: **8/21/2023** | SeqNo: **3612082** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 991 | 50.0 | 1000 | 0 | 99.1 | 80 | 120 | | | |

| Sample ID: **2308728-001ADUP** | SampType: **DUP** | TestCode: **SM2540C MOD: Total Dissolved Solids** |
|---|---|---|
| Client ID: **42-03** | Batch ID: **76912** | RunNo: **99095** |
| Prep Date: **8/16/2023** | Analysis Date: **8/21/2023** | SeqNo: **3612094** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 3180 | 50.0 | | | | | | 0.505 | 10 | * |

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. |
| B | Analyte detected in the associated Method Blank |
| E | Above Quantitation Range/Estimated Value |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2308728**

***28-Aug-23***

**Client:** EA Engineering

**Project:** Dominguez Dairy 2

| Sample ID: **MB-76894** | SampType: **MBLK** | TestCode: **SM 4500 Norg C: TKN** |
|---|---|---|
| Client ID: **PBW** | Batch ID: **76894** | RunNo: **99074** |
| Prep Date: **8/16/2023** | Analysis Date: **8/18/2023** | SeqNo: **3611370** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Nitrogen, Kjeldahl, Total | ND | 1.0 | | | | | | | | |

| Sample ID: **LCS-76894** | SampType: **LCS** | TestCode: **SM 4500 Norg C: TKN** |
|---|---|---|
| Client ID: **LCSW** | Batch ID: **76894** | RunNo: **99074** |
| Prep Date: **8/16/2023** | Analysis Date: **8/18/2023** | SeqNo: **3611371** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Nitrogen, Kjeldahl, Total | 9.8 | 1.0 | 10.00 | 0 | 98.0 | 80 | 120 | | | |

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. |
| B | Analyte detected in the associated Method Blank |
| E | Above Quantitation Range/Estimated Value |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

HALL ENVIRONMENTAL ANALYSIS LABORATORY

*Hall Environmental Analysis Laboratory*
*4901 Hawkins NE*
*Albuquerque, NM 87109*
*TEL: 505-345-3975 FAX: 505-345-4107*
*Website: www.hallenvironmental.com*

# Sample Log-In Check List

Client Name: EA Engineering | Work Order Number: 2308728 | RcptNo: 1

Received By: Juan Rojas 8/12/2023 9:30:00 AM

Completed By: Desiree Dominguez 8/14/2023 8:59:55 AM

Reviewed By: JmS 8/14/23

## Chain of Custody

| | | | |
|---|---|---|---|
| 1. Is Chain of Custody complete? | Yes ☑ | No ☐ | Not Present ☐ |
| 2. How was the sample delivered? | FedEx | | |

## Log In

| | | | |
|---|---|---|---|
| 3. Was an attempt made to cool the samples? | Yes ☑ | No ☐ | NA ☐ |
| 4. Were all samples received at a temperature of >0° C to 6.0°C | Yes ☑ | No ☐ | NA ☐ |
| 5. Sample(s) in proper container(s)? | Yes ☑ | No ☐ | |
| 6. Sufficient sample volume for indicated test(s)? | Yes ☑ | No ☐ | |
| 7. Are samples (except VOA and ONG) properly preserved? | Yes ☑ | No ☐ | |
| 8. Was preservative added to bottles? | Yes ☐ | No ☑ | NA ☐ |
| 9. Received at least 1 vial with headspace <1/4" for AQ VOA? | Yes ☐ | No ☐ | NA ☑ |
| 10. Were any sample containers received broken? | Yes ☐ | No ☑ | |
| 11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) | Yes ☑ | No ☐ | |
| 12. Are matrices correctly identified on Chain of Custody? | Yes ☑ | No ☐ | |
| 13. Is it clear what analyses were requested? | Yes ☑ | No ☐ | |
| 14. Were all holding times able to be met? (If no, notify customer for authorization.) | Yes ☑ | No ☐ | |

# of preserved bottles checked for pH: 3

(<2 or >12 unless noted)

Adjusted? NO

Checked by: SCM 08/14/23

## Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: Date:

By Whom: Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding:

Client Instructions:

16. Additional remarks:

17. **Cooler Information**

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|---|---|---|---|---|---|---|
| 1 | 1.8 | Good | Not Present | Morty | | |

# Chain-of-Custody Record

Client: EA Engineering, Science, and Technology

Mailing Address: 320 Gold Ave SW Suite

Phone #: 505-715-4279

email or Fax#: rmullen@eaest.com

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other_____
☐ EDD (Type) _____

Turn-Around Time:
☑ Standard ☐ Rush_____

Project Name: Dominguez Dairy 2

Project #:

Project Manager: Gina Mullen

Sampler: Angel N. Rivera
On Ice: ☑ Yes ☐ No
# of Coolers: 1 w/o, tq
Cooler Temp(including CF): 1.7+0.1=1.8


**HALL ENVIRONMENTAL ANALYSIS LABORATORY**
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107


| Date | Time | Matrix | Sample Name | Container Type and # | Preservative Type | HEAL No. 2308728 | Nitrate/Nitrites EPA Method 300 | TKN SM 4500 NORG C | Chloride EPA 300 | TDS SM 2540 C MOD | Sulfate EPA 300 | Phosphorus EPA 6010B | Total Sulfur |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8-11 | 11:23 | Gw | 42-03 | 2 | | -001 | X | X | X | X | | | |
| 8-11 | 13:36 | Gw | 42-13 | 2 | | -002 | X | X | X | X | | | |
| 8-11 | 15:19 | Gw | 42-06 | 2 | | -003 | X | X | X | X | | | |

Analysis Request

| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |
|---|---|---|---|---|---|---|
| 8-11 | 17:15 | | | FedEx | 8/12/23 | 9:30 |
| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

*Hall Environmental Analysis Laboratory*
*4901 Hawkins NE*
*Albuquerque, NM 87109*
*TEL: 505-345-3975 FAX: 505-345-4107*
*Website: www.hallenvironmental.com*

August 28, 2023

Regina Mullen

EA Engineering
320 Gold Ave SW Suite 1210
Albuquerque, NM 87102
TEL:
FAX:

RE: Dominguez Dairy 2 OrderNo.: 2308792

Dear Regina Mullen:

Hall Environmental Analysis Laboratory received 3 sample(s) on 8/15/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman

Laboratory Manager

4901 Hawkins NE
Albuquerque, NM 87109

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering
**Client Sample ID:** 42-08
**Project:** Dominguez Dairy 2
**Collection Date:** 8/14/2023 11:35:00 AM
**Lab ID:** 2308792-001
**Matrix:** GROUNDWA
**Received Date:** 8/15/2023 8:50:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **JMT** | |
| Chloride | 270 | 50 | * | mg/L | 100 | 8/15/2023 2:23:43 PM | R98994 |
| Nitrogen, Nitrite (As N) | ND | 1.0 | | mg/L | 10 | 8/15/2023 2:11:22 PM | R98994 |
| Nitrogen, Nitrate (As N) | 21 | 1.0 | * | mg/L | 10 | 8/15/2023 2:11:22 PM | R98994 |
| **SM2540C MOD: TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **MCA** | |
| Total Dissolved Solids | 1860 | 100 | *D | mg/L | 1 | 8/21/2023 9:15:00 AM | 76912 |
| **SM 4500 NORG C: TKN** | | | | | | Analyst: **DML** | |
| Nitrogen, Kjeldahl, Total | ND | 5.0 | D | mg/L | 1 | 8/21/2023 12:34:00 PM | 76960 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering
**Client Sample ID:** 42-02
**Project:** Dominguez Dairy 2
**Collection Date:** 8/14/2023 1:40:00 PM
**Lab ID:** 2308792-002
**Matrix:** GROUNDWA
**Received Date:** 8/15/2023 8:50:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **JMT** | |
| Chloride | 490 | 50 | * | mg/L | 100 | 8/15/2023 2:48:25 PM | R98994 |
| Nitrogen, Nitrite (As N) | ND | 1.0 | | mg/L | 10 | 8/15/2023 2:36:04 PM | R98994 |
| Nitrogen, Nitrate (As N) | 8.1 | 1.0 | | mg/L | 10 | 8/15/2023 2:36:04 PM | R98994 |
| **SM2540C MOD: TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **MCA** | |
| Total Dissolved Solids | 2450 | 100 | *D | mg/L | 1 | 8/21/2023 9:15:00 AM | 76912 |
| **SM 4500 NORG C: TKN** | | | | | | Analyst: **DML** | |
| Nitrogen, Kjeldahl, Total | ND | 1.0 | | mg/L | 1 | 8/21/2023 12:34:00 PM | 76960 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering
**Client Sample ID:** 42-11
**Project:** Dominguez Dairy 2
**Collection Date:** 8/14/2023 3:50:00 PM
**Lab ID:** 2308792-003
**Matrix:** GROUNDWA
**Received Date:** 8/15/2023 8:50:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **JMT** | |
| Chloride | 350 | 50 | * | mg/L | 100 | 8/15/2023 3:37:49 PM | R98994 |
| Nitrogen, Nitrite (As N) | ND | 1.0 | | mg/L | 10 | 8/15/2023 3:25:28 PM | R98994 |
| Nitrogen, Nitrate (As N) | ND | 1.0 | | mg/L | 10 | 8/15/2023 3:25:28 PM | R98994 |
| **SM2540C MOD: TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **MCA** | |
| Total Dissolved Solids | 1310 | 100 | *D | mg/L | 1 | 8/21/2023 3:30:00 PM | 76930 |
| **SM 4500 NORG C: TKN** | | | | | | Analyst: **DML** | |
| Nitrogen, Kjeldahl, Total | ND | 1.0 | | mg/L | 1 | 8/21/2023 12:34:00 PM | 76960 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2308792**

***28-Aug-23***

**Client:** EA Engineering

**Project:** Dominguez Dairy 2

| Sample ID: **MB** | SampType: **mblk** | TestCode: **EPA Method 300.0: Anions** |
|---|---|---|
| Client ID: **PBW** | Batch ID: **R98994** | RunNo: **98994** |
| Prep Date: | Analysis Date: **8/15/2023** | SeqNo: **3607607** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | ND | 0.50 | | | | | | | | |
| Nitrogen, Nitrite (As N) | ND | 0.10 | | | | | | | | |
| Nitrogen, Nitrate (As N) | ND | 0.10 | | | | | | | | |

| Sample ID: **LCS** | SampType: **lcs** | TestCode: **EPA Method 300.0: Anions** |
|---|---|---|
| Client ID: **LCSW** | Batch ID: **R98994** | RunNo: **98994** |
| Prep Date: | Analysis Date: **8/15/2023** | SeqNo: **3607608** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 4.7 | 0.50 | 5.000 | 0 | 93.9 | 90 | 110 | | | |
| Nitrogen, Nitrite (As N) | 0.98 | 0.10 | 1.000 | 0 | 97.6 | 90 | 110 | | | |
| Nitrogen, Nitrate (As N) | 2.5 | 0.10 | 2.500 | 0 | 102 | 90 | 110 | | | |

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. |
| B | Analyte detected in the associated Method Blank |
| E | Above Quantitation Range/Estimated Value |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2308792**

***28-Aug-23***

**Client:** EA Engineering

**Project:** Dominguez Dairy 2

| Sample ID: **MB-76912** | SampType: **MBLK** | TestCode: **SM2540C MOD: Total Dissolved Solids** |
|---|---|---|
| Client ID: **PBW** | Batch ID: **76912** | RunNo: **99095** |
| Prep Date: **8/16/2023** | Analysis Date: **8/21/2023** | SeqNo: **3612081** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | ND | 50.0 | | | | | | | | |

| Sample ID: **LCS-76912** | SampType: **LCS** | TestCode: **SM2540C MOD: Total Dissolved Solids** |
|---|---|---|
| Client ID: **LCSW** | Batch ID: **76912** | RunNo: **99095** |
| Prep Date: **8/16/2023** | Analysis Date: **8/21/2023** | SeqNo: **3612082** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 991 | 50.0 | 1000 | 0 | 99.1 | 80 | 120 | | | |

| Sample ID: **MB-76930** | SampType: **MBLK** | TestCode: **SM2540C MOD: Total Dissolved Solids** |
|---|---|---|
| Client ID: **PBW** | Batch ID: **76930** | RunNo: **99114** |
| Prep Date: **8/17/2023** | Analysis Date: **8/21/2023** | SeqNo: **3612531** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | ND | 50.0 | | | | | | | | |

| Sample ID: **LCS-76930** | SampType: **LCS** | TestCode: **SM2540C MOD: Total Dissolved Solids** |
|---|---|---|
| Client ID: **LCSW** | Batch ID: **76930** | RunNo: **99114** |
| Prep Date: **8/17/2023** | Analysis Date: **8/21/2023** | SeqNo: **3612532** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 985 | 50.0 | 1000 | 0 | 98.5 | 80 | 120 | | | |

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. |
| B | Analyte detected in the associated Method Blank |
| E | Above Quantitation Range/Estimated Value |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2308792**

***28-Aug-23***

**Client:** EA Engineering

**Project:** Dominguez Dairy 2

| Sample ID: **MB-76960** | SampType: **MBLK** | TestCode: **SM 4500 Norg C: TKN** |
|---|---|---|
| Client ID: **PBW** | Batch ID: **76960** | RunNo: **99108** |
| Prep Date: **8/21/2023** | Analysis Date: **8/21/2023** | SeqNo: **3612385** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Nitrogen, Kjeldahl, Total | ND | 1.0 | | | | | | | | |

| Sample ID: **LCS-76960** | SampType: **LCS** | TestCode: **SM 4500 Norg C: TKN** |
|---|---|---|
| Client ID: **LCSW** | Batch ID: **76960** | RunNo: **99108** |
| Prep Date: **8/21/2023** | Analysis Date: **8/21/2023** | SeqNo: **3612386** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Nitrogen, Kjeldahl, Total | 8.5 | 1.0 | 10.00 | 0 | 85.4 | 80 | 120 | | | |

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

HALL ENVIRONMENTAL ANALYSIS LABORATORY

*Hall Environmental Analysis Laboratory*
*4901 Hawkins NE*
*Albuquerque, NM 87109*
*TEL: 505-345-3975 FAX: 505-345-4107*
*Website: www.hallenvironmental.com*

# Sample Log-In Check List

Client Name: EA Engineering | Work Order Number: 2308792 | RcptNo: 1

Received By: Juan Rojas 8/15/2023 8:50:00 AM

Completed By: Desiree Dominguez 8/15/2023 9:31:08 AM

Reviewed By: SCM 8/15/23

## Chain of Custody

| | | | |
|---|---|---|---|
| 1. Is Chain of Custody complete? | Yes ☑ | No ☐ | Not Present ☐ |
| 2. How was the sample delivered? | FedEx | | |

## Log In

| | | | |
|---|---|---|---|
| 3. Was an attempt made to cool the samples? | Yes ☑ | No ☐ | NA ☐ |
| 4. Were all samples received at a temperature of >0° C to 6.0°C | Yes ☑ | No ☐ | NA ☐ |
| 5. Sample(s) in proper container(s)? | Yes ☑ | No ☐ | |
| 6. Sufficient sample volume for indicated test(s)? | Yes ☑ | No ☐ | |
| 7. Are samples (except VOA and ONG) properly preserved? | Yes ☑ | No ☐ | |
| 8. Was preservative added to bottles? | Yes ☐ | No ☑ | NA ☐ |
| 9. Received at least 1 vial with headspace <1/4" for AQ VOA? | Yes ☐ | No ☐ | NA ☑ |
| 10. Were any sample containers received broken? | Yes ☐ | No ☑ | |
| 11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) | Yes ☑ | No ☐ | |
| 12. Are matrices correctly identified on Chain of Custody? | Yes ☑ | No ☐ | |
| 13. Is it clear what analyses were requested? | Yes ☑ | No ☐ | |
| 14. Were all holding times able to be met? (If no, notify customer for authorization.) | Yes ☑ | No ☐ | |

# of preserved bottles checked for pH: 3 (<2 or >12 unless noted)

Adjusted? NO

Checked by: JM 8/15/23

## Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: Date:

By Whom: Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding:

Client Instructions:

16. Additional remarks:

17. **Cooler Information**

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|---|---|---|---|---|---|---|
| 1 | 0.9 | Good | Not Present | Morty | | |

# Chain-of-Custody Record

Client: EA Engineering, Science, and Technology

Mailing Address: 320 Gold Ave SW Suite

Phone #: 505-715-4279

email or Fax#: rmullen@eaest.com

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☑ Standard ☐ Rush

Project Name: Dominguez Dairy 2

Project #:

Project Manager: Gina Mullen

Sampler: Angel N. Rivera

On Ice: ~~☐ Yes~~ ☐ No

# of Coolers: 1 (Marty)

Cooler Temp(including CF): 1.1 - 0.2 = 0.9


HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107


| Date | Time | Matrix | Sample Name | Container Type and # | Preservative Type | HEAL No. 2308792 | Nitrate/Nitrites EPA Method 300 | TKN SM 4500 NORG C | Chloride EPA 300 | TDS SM 2540 C MOD | Sulfate EPA 300 | | Phosphorus EPA 6010B | Total Sulfur | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8-14 | 11:35 | Gw | 42-08 | 2 | | -001 | X | X | X | X | | | | | | | | | | |
| 8-14 | 13:40 | Gw | 42-02 | 2 | | -002 | X | X | X | X | | | | | | | | | | |
| 8-14 | 15:50 | Gw | 42-11 | 2 | | -003 | X | X | X | X | | | | | | | | | | |

Analysis Request

| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |
|---|---|---|---|---|---|---|
| 8-14 | 18:05 | | | FedEx | 8/15/23 | 8:50 |
| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

*Hall Environmental Analysis Laboratory*
*4901 Hawkins NE*
*Albuquerque, NM 87109*
*TEL: 505-345-3975 FAX: 505-345-4107*
*Website: www.hallenvironmental.com*

August 28, 2023

Regina Mullen

EA Engineering
320 Gold Ave SW Suite 1210
Albuquerque, NM 87102
TEL:
FAX:

RE: Dominguez Dairy 1 OrderNo.: 2308981

Dear Regina Mullen:

Hall Environmental Analysis Laboratory received 2 sample(s) on 8/17/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman

Laboratory Manager

4901 Hawkins NE
Albuquerque, NM 87109

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering
**Client Sample ID:** 624-10
**Project:** Dominguez Dairy 1
**Collection Date:** 8/16/2023 2:47:00 PM
**Lab ID:** 2308981-001
**Matrix:** GROUNDWA
**Received Date:** 8/17/2023 8:30:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **SNS** | |
| Chloride | 610 | 50 | * | mg/L | 100 | 8/17/2023 7:27:18 PM | A99063 |
| Nitrogen, Nitrite (As N) | ND | 1.0 | | mg/L | 10 | 8/17/2023 6:48:42 PM | A99063 |
| Nitrogen, Nitrate (As N) | ND | 1.0 | | mg/L | 10 | 8/17/2023 6:48:42 PM | A99063 |
| **SM2540C MOD: TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **MCA** | |
| Total Dissolved Solids | 2990 | 100 | *D | mg/L | 1 | 8/22/2023 3:56:00 PM | 76977 |
| **SM 4500 NORG C: TKN** | | | | | | Analyst: **DML** | |
| Nitrogen, Kjeldahl, Total | ND | 1.0 | | mg/L | 1 | 8/25/2023 10:45:00 AM | 77077 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering
**Client Sample ID:** 624-09
**Project:** Dominguez Dairy 1
**Collection Date:** 8/16/2023 4:46:00 PM
**Lab ID:** 2308981-002
**Matrix:** GROUNDWA
**Received Date:** 8/17/2023 8:30:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **SNS** | |
| Chloride | 240 | 50 | | mg/L | 100 | 8/17/2023 7:53:01 PM | A99063 |
| Nitrogen, Nitrite (As N) | ND | 1.0 | | mg/L | 10 | 8/17/2023 7:40:10 PM | A99063 |
| Nitrogen, Nitrate (As N) | ND | 1.0 | | mg/L | 10 | 8/17/2023 7:40:10 PM | A99063 |
| **SM2540C MOD: TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **MCA** | |
| Total Dissolved Solids | 1360 | 250 | *D | mg/L | 1 | 8/22/2023 3:56:00 PM | 76977 |
| **SM 4500 NORG C: TKN** | | | | | | Analyst: **DML** | |
| Nitrogen, Kjeldahl, Total | 1.1 | 1.0 | | mg/L | 1 | 8/25/2023 10:45:00 AM | 77077 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2308981**

***28-Aug-23***

**Client:** EA Engineering

**Project:** Dominguez Dairy 1

| Sample ID: **MB** | SampType: **MBLK** | TestCode: **EPA Method 300.0: Anions** |
|---|---|---|
| Client ID: **PBW** | Batch ID: **A99063** | RunNo: **99063** |
| Prep Date: | Analysis Date: **8/17/2023** | SeqNo: **3610879** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | ND | 0.50 | | | | | | | | |
| Nitrogen, Nitrite (As N) | ND | 0.10 | | | | | | | | |
| Nitrogen, Nitrate (As N) | ND | 0.10 | | | | | | | | |

| Sample ID: **LCS** | SampType: **LCS** | TestCode: **EPA Method 300.0: Anions** |
|---|---|---|
| Client ID: **LCSW** | Batch ID: **A99063** | RunNo: **99063** |
| Prep Date: | Analysis Date: **8/17/2023** | SeqNo: **3610880** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 4.6 | 0.50 | 5.000 | 0 | 92.9 | 90 | 110 | | | |
| Nitrogen, Nitrite (As N) | 0.98 | 0.10 | 1.000 | 0 | 98.2 | 90 | 110 | | | |
| Nitrogen, Nitrate (As N) | 2.5 | 0.10 | 2.500 | 0 | 99.0 | 90 | 110 | | | |

| Sample ID: **2308981-001AMS** | SampType: **MS** | TestCode: **EPA Method 300.0: Anions** |
|---|---|---|
| Client ID: **624-10** | Batch ID: **A99063** | RunNo: **99063** |
| Prep Date: | Analysis Date: **8/17/2023** | SeqNo: **3610882** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Nitrogen, Nitrite (As N) | 9.6 | 1.0 | 10.00 | 0 | 96.1 | 80 | 120 | | | |
| Nitrogen, Nitrate (As N) | 25 | 1.0 | 25.00 | 0.3887 | 98.3 | 80 | 120 | | | |

| Sample ID: **2308981-001AMSD** | SampType: **MSD** | TestCode: **EPA Method 300.0: Anions** |
|---|---|---|
| Client ID: **624-10** | Batch ID: **A99063** | RunNo: **99063** |
| Prep Date: | Analysis Date: **8/17/2023** | SeqNo: **3610883** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Nitrogen, Nitrite (As N) | 9.8 | 1.0 | 10.00 | 0 | 98.1 | 80 | 120 | 1.98 | 20 | |
| Nitrogen, Nitrate (As N) | 25 | 1.0 | 25.00 | 0.3887 | 100 | 80 | 120 | 1.97 | 20 | |

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. |
| B | Analyte detected in the associated Method Blank |
| E | Above Quantitation Range/Estimated Value |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2308981**

***28-Aug-23***

**Client:** EA Engineering

**Project:** Dominguez Dairy 1

| Sample ID: **MB-76977** | SampType: **MBLK** | TestCode: **SM2540C MOD: Total Dissolved Solids** |
|---|---|---|
| Client ID: **PBW** | Batch ID: **76977** | RunNo: **99141** |
| Prep Date: **8/21/2023** | Analysis Date: **8/22/2023** | SeqNo: **3615162** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | ND | 50.0 | | | | | | | | |

| Sample ID: **LCS-76977** | SampType: **LCS** | TestCode: **SM2540C MOD: Total Dissolved Solids** |
|---|---|---|
| Client ID: **LCSW** | Batch ID: **76977** | RunNo: **99141** |
| Prep Date: **8/21/2023** | Analysis Date: **8/22/2023** | SeqNo: **3615163** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 230 | 50.0 | 1000 | 0 | 23.0 | 80 | 120 | | | S |

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. |
| B | Analyte detected in the associated Method Blank |
| E | Above Quantitation Range/Estimated Value |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2308981**

***28-Aug-23***

**Client:** EA Engineering

**Project:** Dominguez Dairy 1

| Sample ID: **MB-77077** | SampType: **MBLK** | TestCode: **SM 4500 Norg C: TKN** |
|---|---|---|
| Client ID: **PBW** | Batch ID: **77077** | RunNo: **99238** |
| Prep Date: **8/24/2023** | Analysis Date: **8/25/2023** | SeqNo: **3619161** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Nitrogen, Kjeldahl, Total | ND | 1.0 | | | | | | | | |

| Sample ID: **LCS-77077** | SampType: **LCS** | TestCode: **SM 4500 Norg C: TKN** |
|---|---|---|
| Client ID: **LCSW** | Batch ID: **77077** | RunNo: **99238** |
| Prep Date: **8/24/2023** | Analysis Date: **8/25/2023** | SeqNo: **3619162** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Nitrogen, Kjeldahl, Total | 10 | 1.0 | 10.00 | 0 | 101 | 80 | 120 | | | |

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. |
| B | Analyte detected in the associated Method Blank |
| E | Above Quantitation Range/Estimated Value |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

HALL ENVIRONMENTAL ANALYSIS LABORATORY

*Hall Environmental Analysis Laboratory*
*4901 Hawkins NE*
*Albuquerque, NM 87109*
*TEL: 505-345-3975 FAX: 505-345-4107*
*Website: www.hallenvironmental.com*

# Sample Log-In Check List

Client Name: EA Engineering | Work Order Number: 2308981 | RcptNo: 1

Received By: Tracy Casarrubias 8/17/2023 8:30:00 AM

Completed By: Tracy Casarrubias 8/17/2023 10:32:50 AM

Reviewed By: JS 8-17-23

## Chain of Custody

| | | | |
|---|---|---|---|
| 1. Is Chain of Custody complete? | Yes ☑ | No ☐ | Not Present ☐ |
| 2. How was the sample delivered? | FedEx | | |

## Log In

| | | | |
|---|---|---|---|
| 3. Was an attempt made to cool the samples? | Yes ☑ | No ☐ | NA ☐ |
| 4. Were all samples received at a temperature of >0° C to 6.0°C | Yes ☑ | No ☐ | NA ☐ |
| 5. Sample(s) in proper container(s)? | Yes ☑ | No ☐ | |
| 6. Sufficient sample volume for indicated test(s)? | Yes ☑ | No ☐ | |
| 7. Are samples (except VOA and ONG) properly preserved? | Yes ☑ | No ☐ | |
| 8. Was preservative added to bottles? | Yes ☐ | No ☑ | NA ☐ |
| 9. Received at least 1 vial with headspace <1/4" for AQ VOA? | Yes ☐ | No ☐ | NA ☑ |
| 10. Were any sample containers received broken? | Yes ☐ | No ☑ | |
| 11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) | Yes ☑ | No ☐ | # of preserved bottles checked for pH: 2 (<2 or >12 unless noted) |
| 12. Are matrices correctly identified on Chain of Custody? | Yes ☑ | No ☐ | Adjusted? NO |
| 13. Is it clear what analyses were requested? | Yes ☑ | No ☐ | |
| 14. Were all holding times able to be met? (If no, notify customer for authorization.) | Yes ☑ | No ☐ | Checked by: Sen 8/17/23 |

## Special Handling (if applicable)

| | | | |
|---|---|---|---|
| 15. Was client notified of all discrepancies with this order? | Yes ☐ | No ☐ | NA ☑ |

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. **Cooler Information**

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|---|---|---|---|---|---|---|
| 1 | 0 | Good | Not Present | Yogi | | |

# Chain-of-Custody Record

Client: EA Engineering, Science, and Technology

Mailing Address: 320 Gold Ave SW Suite

Phone #: 505-715-4279

email or Fax#: rmullen@eaest.com

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other_____
☐ EDD (Type) _____

Turn-Around Time:
☑ Standard ☐ Rush_____

Project Name: Dominguez Dairy 1

Project #:

Project Manager: Gina Mullen

Sampler: Angel N. Rivera
On Ice: ☒ Yes ☐ No 409i
# of Coolers: 1
Cooler Temp(including CF): Ø - Ø = Ø·Ø


**HALL ENVIRONMENTAL ANALYSIS LABORATORY**
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107


**Analysis Request**

| Date | Time | Matrix | Sample Name | Container Type and # | Preservative Type | HEAL No. 2308981 | Nitrate/Nitrites EPA Method 300 | TKN SM 4500 NORG C | Chloride EPA 300 | TDS SM 2540 C MOD | Sulfate EPA 300 | | Phosphorus EPA 6010B | Total Sulfur | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8-16 | 14:47 | Gw | 624-10 | 2 | | 001 | X | X | X | X | | | | | | | | | | | |
| 8-16 | 16:46 | Gw | 624-09 | 2 | | 002 | X | X | X | X | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |

| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |
|---|---|---|---|---|---|---|
| 8-16 | 18:45 | | | Fed Ex | 8/17/23 | 8:30 |
| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

*Hall Environmental Analysis Laboratory*
*4901 Hawkins NE*
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*Website: www.hallenvironmental.com*

August 25, 2023

Regina Mullen

EA Engineering
320 Gold Ave SW Suite 1210
Albuquerque, NM 87102
TEL:
FAX:

RE: Dominguez Dairy 2 OrderNo.: 2308986

Dear Regina Mullen:

Hall Environmental Analysis Laboratory received 2 sample(s) on 8/17/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman

Laboratory Manager

4901 Hawkins NE
Albuquerque, NM 87109

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering
**Client Sample ID:** 42-12
**Project:** Dominguez Dairy 2
**Collection Date:** 8/16/2023 11:24:00 AM
**Lab ID:** 2308986-001
**Matrix:** GROUNDWA
**Received Date:** 8/17/2023 8:30:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **JMT** | |
| Chloride | 270 | 50 | * | mg/L | 100 | 8/17/2023 8:38:00 PM | R99059 |
| Nitrogen, Nitrite (As N) | ND | 1.0 | | mg/L | 10 | 8/17/2023 8:25:40 PM | R99059 |
| Nitrogen, Nitrate (As N) | ND | 1.0 | | mg/L | 10 | 8/17/2023 8:25:40 PM | R99059 |
| **SM2540C MOD: TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **MCA** | |
| Total Dissolved Solids | 1030 | 100 | *D | mg/L | 1 | 8/22/2023 3:56:00 PM | 76977 |
| **SM 4500 NORG C: TKN** | | | | | | Analyst: **DML** | |
| Nitrogen, Kjeldahl, Total | ND | 1.0 | | mg/L | 1 | 8/24/2023 3:52:00 PM | 77071 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

# Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** EA Engineering
**Client Sample ID:** 42-10
**Project:** Dominguez Dairy 2
**Collection Date:** 8/16/2023 12:50:00 PM
**Lab ID:** 2308986-002
**Matrix:** GROUNDWA
**Received Date:** 8/17/2023 8:30:00 AM

| Analyses | Result | RL | Qual | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|
| **EPA METHOD 300.0: ANIONS** | | | | | | Analyst: **JMT** | |
| Chloride | 430 | 50 | * | mg/L | 100 | 8/17/2023 9:27:24 PM | R99059 |
| Nitrogen, Nitrite (As N) | ND | 1.0 | | mg/L | 10 | 8/17/2023 9:15:02 PM | R99059 |
| Nitrogen, Nitrate (As N) | 7.6 | 1.0 | | mg/L | 10 | 8/17/2023 9:15:02 PM | R99059 |
| **SM2540C MOD: TOTAL DISSOLVED SOLIDS** | | | | | | Analyst: **MCA** | |
| Total Dissolved Solids | 1510 | 50.0 | * | mg/L | 1 | 8/22/2023 3:56:00 PM | 76977 |
| **SM 4500 NORG C: TKN** | | | | | | Analyst: **DML** | |
| Nitrogen, Kjeldahl, Total | ND | 1.0 | | mg/L | 1 | 8/24/2023 3:52:00 PM | 77071 |

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2308986**

***25-Aug-23***

**Client:** EA Engineering

**Project:** Dominguez Dairy 2

| Sample ID: **MB** | SampType: **mblk** | TestCode: **EPA Method 300.0: Anions** |
|---|---|---|
| Client ID: **PBW** | Batch ID: **R99059** | RunNo: **99059** |
| Prep Date: | Analysis Date: **8/17/2023** | SeqNo: **3610721** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | ND | 0.50 | | | | | | | | |
| Nitrogen, Nitrite (As N) | ND | 0.10 | | | | | | | | |
| Nitrogen, Nitrate (As N) | ND | 0.10 | | | | | | | | |

| Sample ID: **LCS** | SampType: **lcs** | TestCode: **EPA Method 300.0: Anions** |
|---|---|---|
| Client ID: **LCSW** | Batch ID: **R99059** | RunNo: **99059** |
| Prep Date: | Analysis Date: **8/17/2023** | SeqNo: **3610722** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | 4.6 | 0.50 | 5.000 | 0 | 91.8 | 90 | 110 | | | |
| Nitrogen, Nitrite (As N) | 0.94 | 0.10 | 1.000 | 0 | 93.6 | 90 | 110 | | | |
| Nitrogen, Nitrate (As N) | 2.5 | 0.10 | 2.500 | 0 | 98.2 | 90 | 110 | | | |

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. |
| B | Analyte detected in the associated Method Blank |
| E | Above Quantitation Range/Estimated Value |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2308986**

***25-Aug-23***

**Client:** EA Engineering

**Project:** Dominguez Dairy 2

| Sample ID: **MB-76977** | SampType: **MBLK** | TestCode: **SM2540C MOD: Total Dissolved Solids** |
|---|---|---|
| Client ID: **PBW** | Batch ID: **76977** | RunNo: **99141** |
| Prep Date: **8/21/2023** | Analysis Date: **8/22/2023** | SeqNo: **3615162** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | ND | 50.0 | | | | | | | | |

| Sample ID: **LCS-76977** | SampType: **LCS** | TestCode: **SM2540C MOD: Total Dissolved Solids** |
|---|---|---|
| Client ID: **LCSW** | Batch ID: **76977** | RunNo: **99141** |
| Prep Date: **8/21/2023** | Analysis Date: **8/22/2023** | SeqNo: **3615163** Units: **mg/L** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|
| Total Dissolved Solids | 230 | 50.0 | 1000 | 0 | 23.0 | 80 | 120 | | | S |

**Qualifiers:**

| | |
|---|---|
| * | Value exceeds Maximum Contaminant Level. |
| D | Sample Diluted Due to Matrix |
| H | Holding times for preparation or analysis exceeded |
| ND | Not Detected at the Reporting Limit |
| PQL | Practical Quanitative Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. |
| B | Analyte detected in the associated Method Blank |
| E | Above Quantitation Range/Estimated Value |
| J | Analyte detected below quantitation limits |
| P | Sample pH Not In Range |
| RL | Reporting Limit |

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2308986**

***25-Aug-23***

**Client:** EA Engineering

**Project:** Dominguez Dairy 2

| Sample ID: **MB-77071** | SampType: **MBLK** | TestCode: **SM 4500 Norg C: TKN** | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Client ID: **PBW** | Batch ID: **77071** | RunNo: **99217** | | | | | | | |
| Prep Date: **8/24/2023** | Analysis Date: **8/24/2023** | SeqNo: **3617792** | Units: **mg/L** | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Nitrogen, Kjeldahl, Total | ND | 1.0 | | | | | | | | |

| Sample ID: **LCS-1-77071** | SampType: **LCS** | TestCode: **SM 4500 Norg C: TKN** | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Client ID: **LCSW** | Batch ID: **77071** | RunNo: **99217** | | | | | | | |
| Prep Date: **8/24/2023** | Analysis Date: **8/24/2023** | SeqNo: **3617793** | Units: **mg/L** | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Nitrogen, Kjeldahl, Total | 10 | 1.0 | 10.00 | 0 | 101 | 80 | 120 | | | |

| Sample ID: **LCS-2-77071** | SampType: **LCS** | TestCode: **SM 4500 Norg C: TKN** | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Client ID: **LCSW** | Batch ID: **77071** | RunNo: **99217** | | | | | | | |
| Prep Date: **8/24/2023** | Analysis Date: **8/24/2023** | SeqNo: **3617794** | Units: **mg/L** | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Nitrogen, Kjeldahl, Total | 9.9 | 1.0 | 10.00 | 0 | 99.4 | 80 | 120 | | | |

| Sample ID: **LCS-3-77071** | SampType: **LCS** | TestCode: **SM 4500 Norg C: TKN** | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Client ID: **LCSW** | Batch ID: **77071** | RunNo: **99217** | | | | | | | |
| Prep Date: **8/24/2023** | Analysis Date: **8/24/2023** | SeqNo: **3617795** | Units: **mg/L** | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Nitrogen, Kjeldahl, Total | 9.9 | 1.0 | 10.00 | 0 | 99.4 | 80 | 120 | | | |

| Sample ID: **LCS-4-77071** | SampType: **LCS** | TestCode: **SM 4500 Norg C: TKN** | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Client ID: **LCSW** | Batch ID: **77071** | RunNo: **99217** | | | | | | | |
| Prep Date: **8/24/2023** | Analysis Date: **8/24/2023** | SeqNo: **3617796** | Units: **mg/L** | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | %RPD | RPDLimit | Qual |
| Nitrogen, Kjeldahl, Total | 10 | 1.0 | 10.00 | 0 | 102 | 80 | 120 | | | |

**Qualifiers:**

| | | | |
|---|---|---|---|
| * | Value exceeds Maximum Contaminant Level. | B | Analyte detected in the associated Method Blank |
| D | Sample Diluted Due to Matrix | E | Above Quantitation Range/Estimated Value |
| H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | P | Sample pH Not In Range |
| PQL | Practical Quanitative Limit | RL | Reporting Limit |
| S | % Recovery outside of standard limits. If undiluted results may be estimated. | | |

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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*TEL: 505-345-3975 FAX: 505-345-4107*
*Website: www.hallenvironmental.com*

# Sample Log-In Check List

Client Name: EA Engineering Work Order Number: 2308986 RcptNo: 1

Received By: Tracy Casarrubias 8/17/2023 8:30:00 AM

Completed By: Tracy Casarrubias 8/17/2023 11:34:19 AM

Reviewed By: 8-17-23

## Chain of Custody

| | | | |
|---|---|---|---|
| 1. Is Chain of Custody complete? | Yes ☑ | No ☐ | Not Present ☐ |
| 2. How was the sample delivered? | FedEx | | |

## Log In

| | | | |
|---|---|---|---|
| 3. Was an attempt made to cool the samples? | Yes ☑ | No ☐ | NA ☐ |
| 4. Were all samples received at a temperature of >0° C to 6.0°C | Yes ☑ | No ☐ | NA ☐ |
| 5. Sample(s) in proper container(s)? | Yes ☑ | No ☐ | |
| 6. Sufficient sample volume for indicated test(s)? | Yes ☑ | No ☐ | |
| 7. Are samples (except VOA and ONG) properly preserved? | Yes ☑ | No ☐ | |
| 8. Was preservative added to bottles? | Yes ☐ | No ☑ | NA ☐ |
| 9. Received at least 1 vial with headspace <1/4" for AQ VOA? | Yes ☐ | No ☐ | NA ☑ |
| 10. Were any sample containers received broken? | Yes ☐ | No ☑ | |
| 11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) | Yes ☑ | No ☐ | # of preserved bottles checked for pH: 2 (<2 or >12 unless noted) |
| 12. Are matrices correctly identified on Chain of Custody? | Yes ☑ | No ☐ | Adjusted? NO |
| 13. Is it clear what analyses were requested? | Yes ☑ | No ☐ | |
| 14. Were all holding times able to be met? (If no, notify customer for authorization.) | Yes ☑ | No ☐ | Checked by: Sum 8/17/23 |

## Special Handling (if applicable)

| | | | |
|---|---|---|---|
| 15. Was client notified of all discrepancies with this order? | Yes ☐ | No ☐ | NA ☑ |

Person Notified: Date:

By Whom: Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding:

Client Instructions:

16. Additional remarks:

17. **Cooler Information**

| Cooler No | Temp °C | Condition | Seal Intact | Seal No | Seal Date | Signed By |
|---|---|---|---|---|---|---|
| 1 | 0 | Good | Not Present | Yogi | | |

# Chain-of-Custody Record

Client: EA Engineering, Science, and Technology

Mailing Address: 320 Gold Ave SW Suite

Phone #: 505-715-4279

email or Fax#: rmullen@eaest.com

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other_____
☐ EDD (Type) _____

Turn-Around Time:
☑ Standard ☐ Rush_____

Project Name: Dominguez Dairy 2

Project #:

Project Manager: Gina Mullen

Sampler: Angel N. Rivera

On Ice: ☒ Yes ☐ No 4.0g

# of Coolers: 1

Cooler Temp (including CF): 0 - 0 = 0.0


**HALL ENVIRONMENTAL ANALYSIS LABORATORY**

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107


**Analysis Request**

| Date | Time | Matrix | Sample Name | Container Type and # | Preservative Type | HEAL No. 2308986 | Nitrate/Nitrites EPA Method 300 | TKN SM 4500 NORG C | Chloride EPA 300 | TDS SM 2540 C MOD | Sulfate EPA 300 | Phosphorus EPA 6010B | Total Sulfur |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8-16 | 11:24 | Gw | 42-12 | 2 | | 001 | X | X | X | X | | | |
| 8-16 | 12:50 | Gw | 42-10 | 2 | | 002 | X | X | X | X | | | |

| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |
|---|---|---|---|---|---|---|
| 8-16 | 18:45 | | | Fed Ex | 8/17/23 | 8:30 |
| Date: | Time: | Relinquished by: | Received by: | Via: | Date | Time |

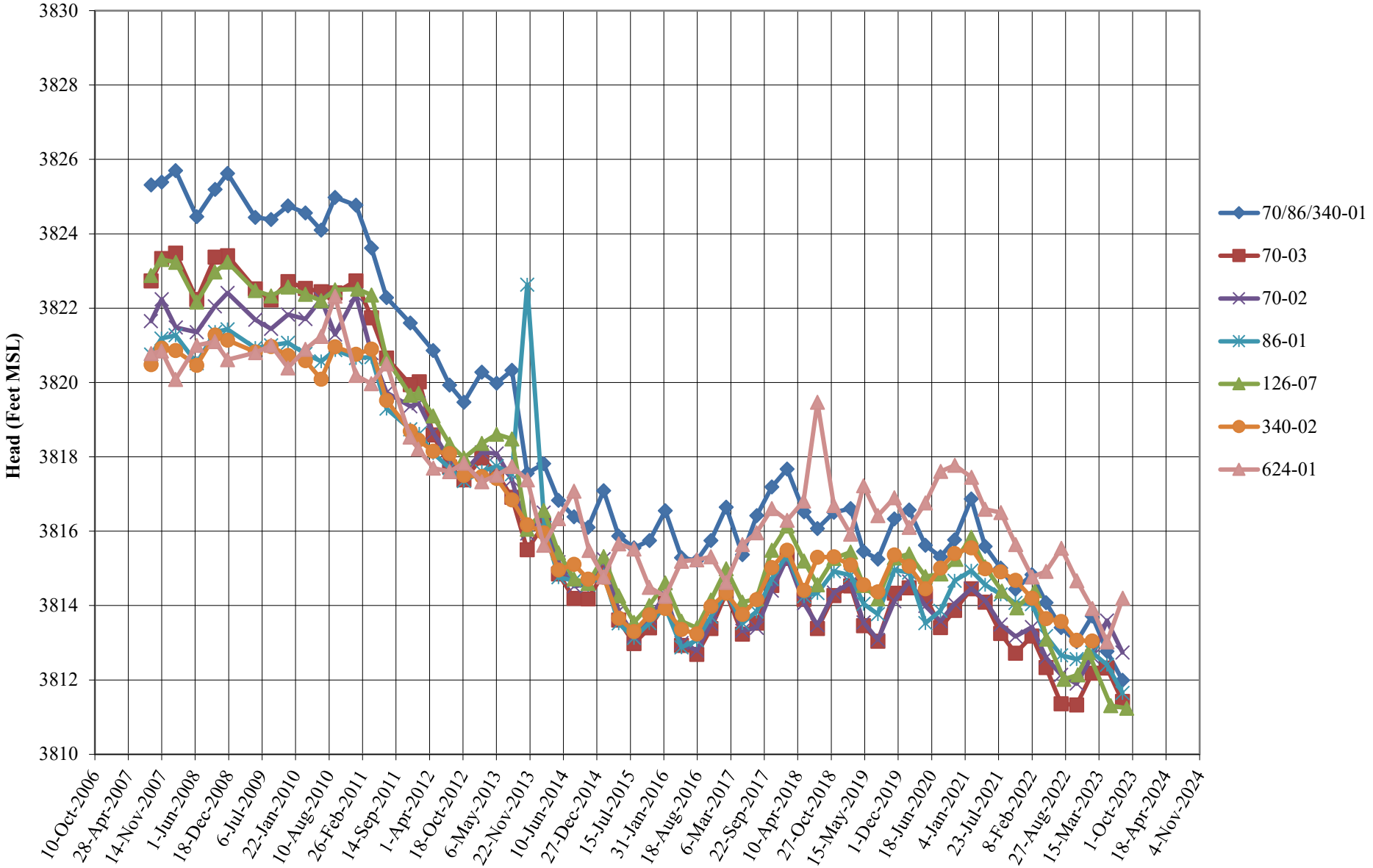
Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

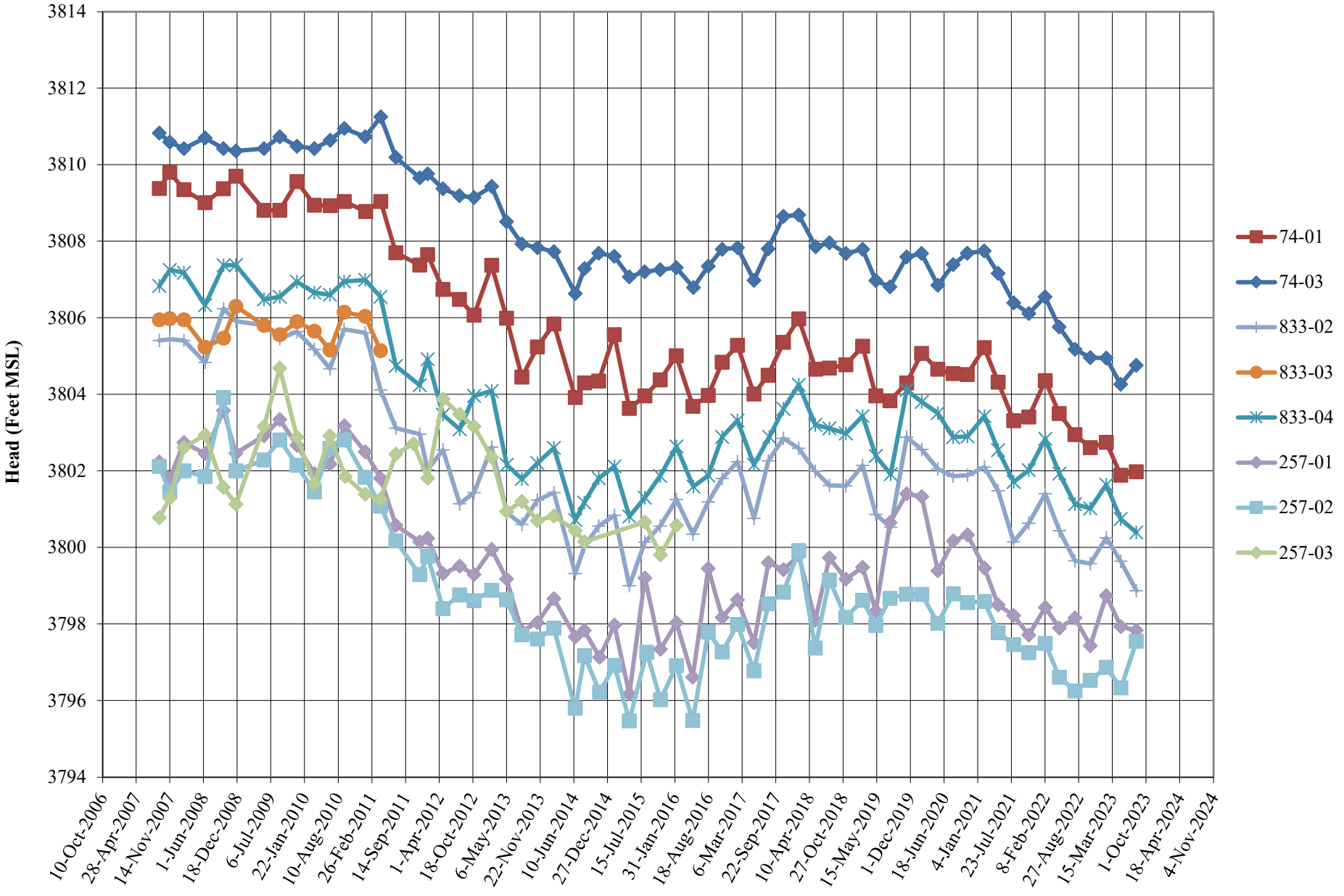
# APPENDIX D

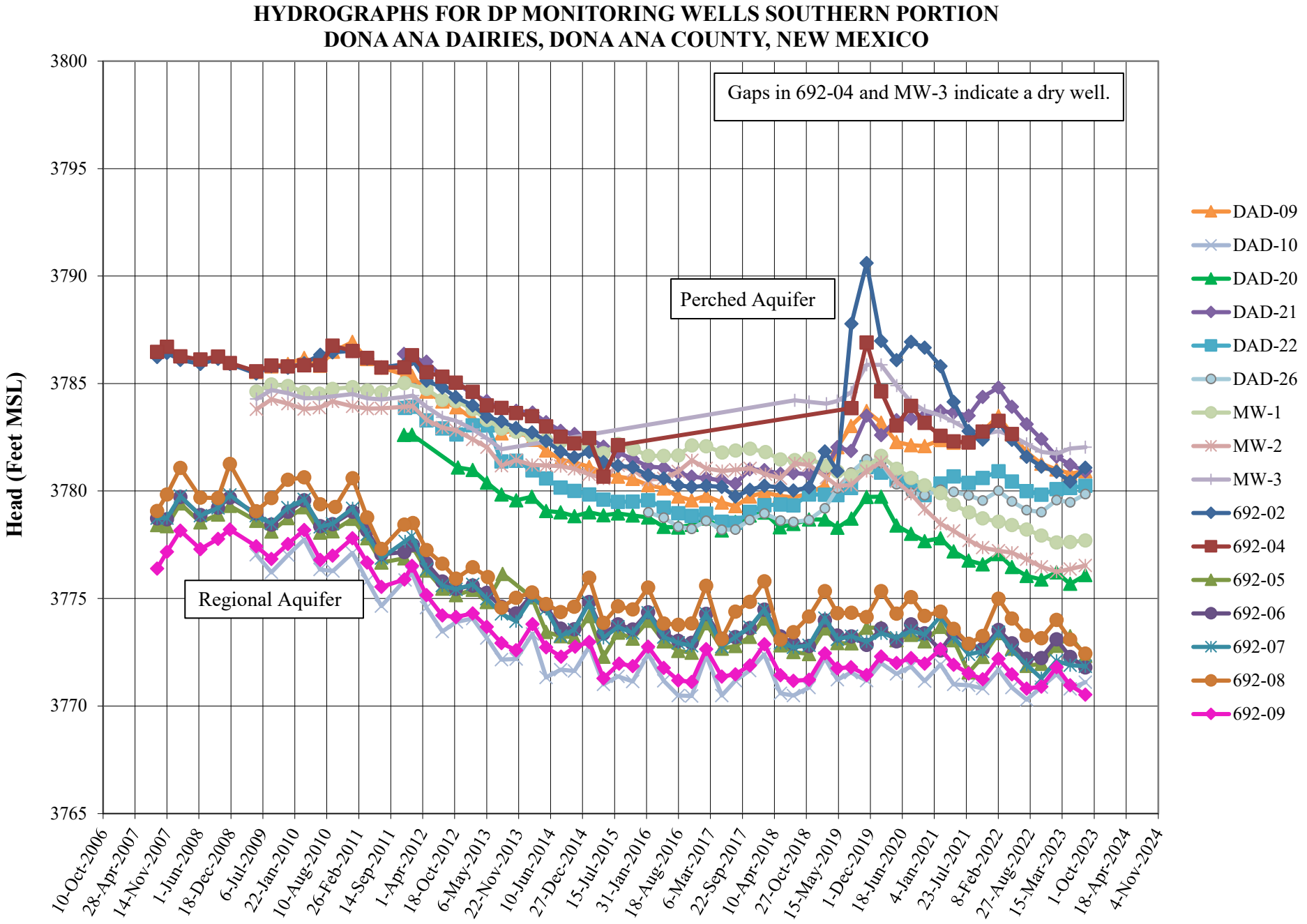
# HYDROGRAPHS BY AREA

**HYDROGRAPHS FOR SELECT DP MONITORING WELLS NORTHERN PORTION**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



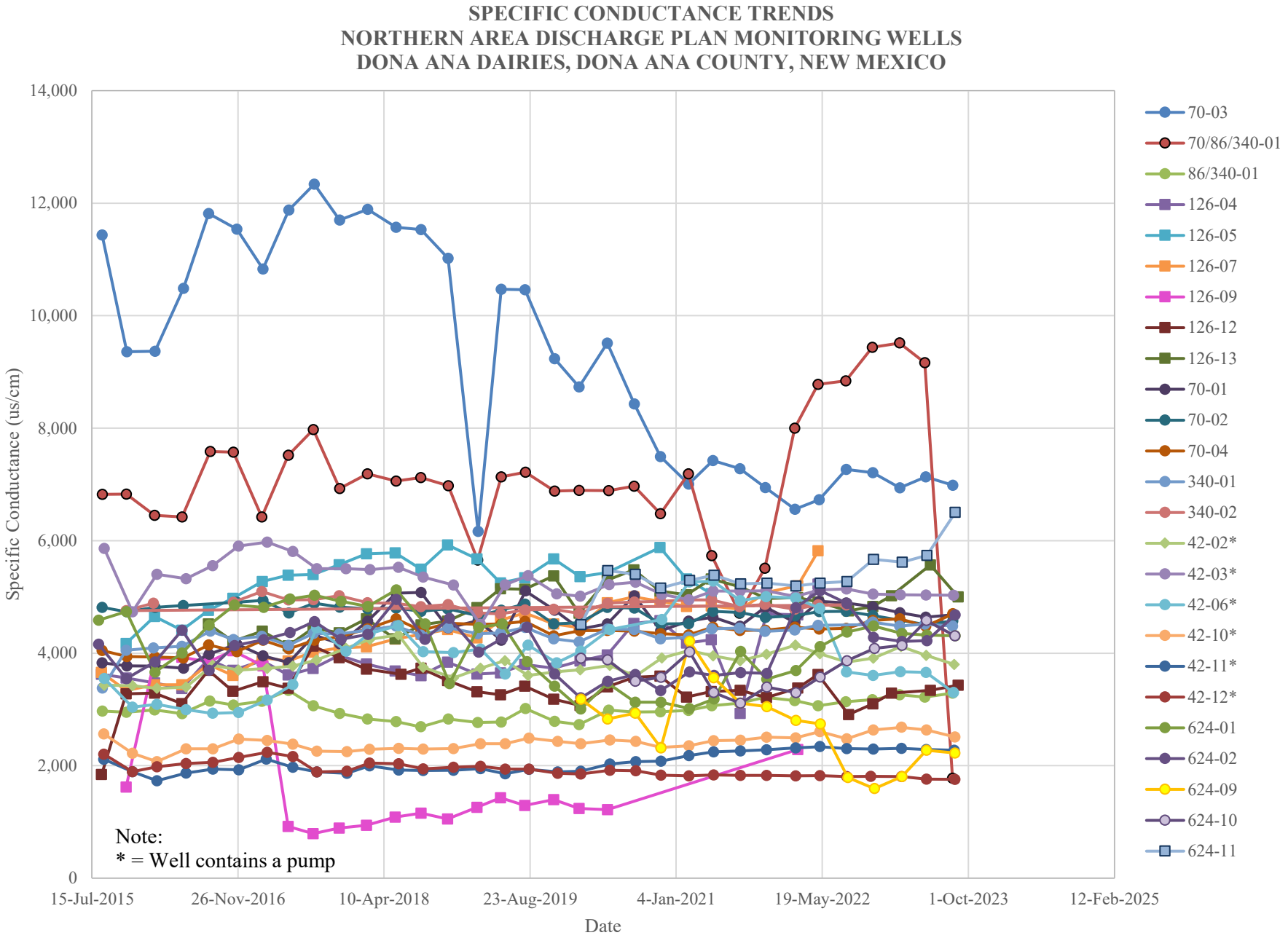
**HYDROGRAPHS FOR SELECT DP MONITORING WELLS CENTRAL PORTION**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



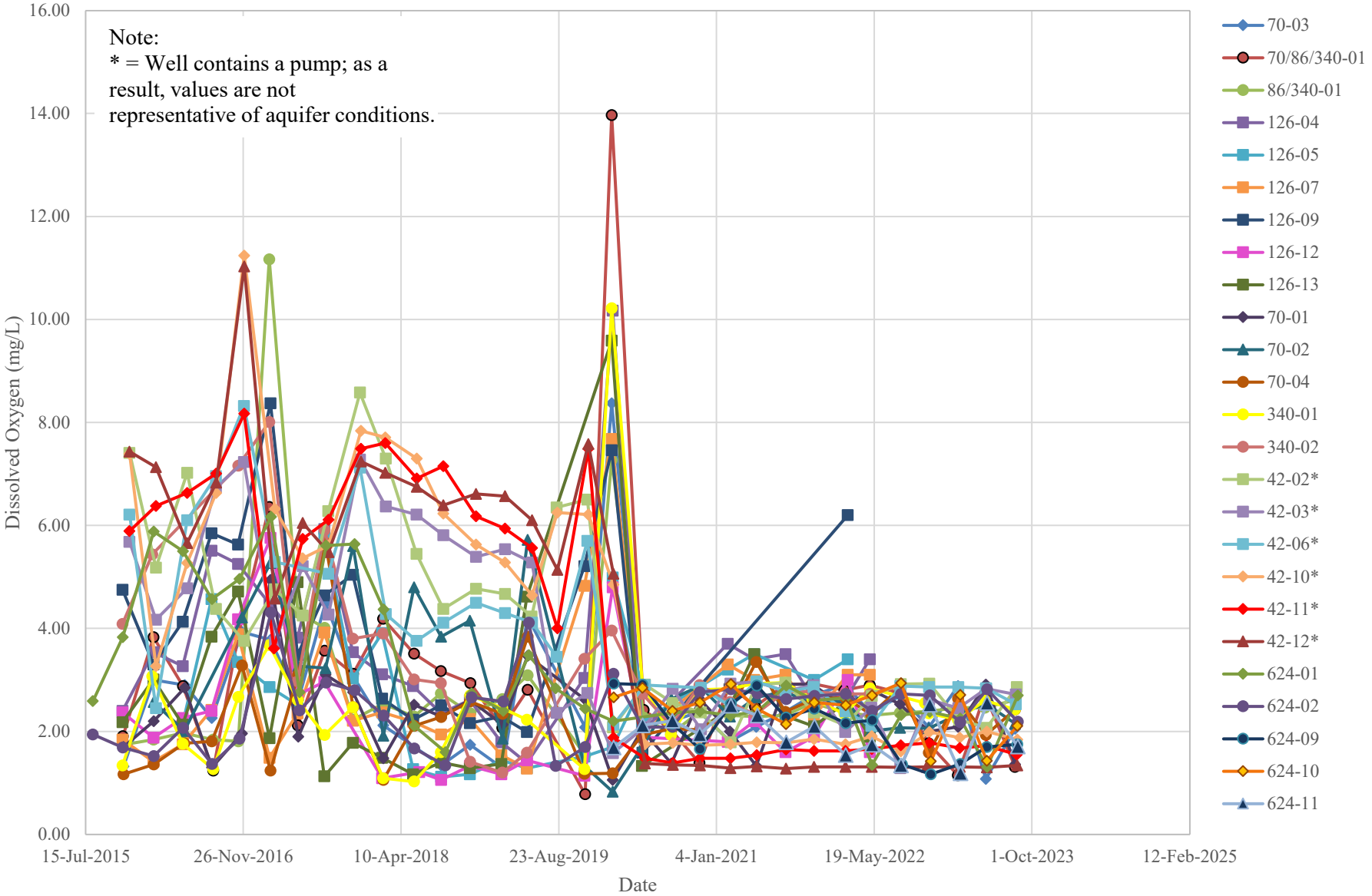

HYDROGRAPHS FOR DP MONITORING WELLS SOUTHERN PORTION
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO
Gaps in 692-04 and MW-3 indicate a dry well.
Perched Aquifer
Regional Aquifer
Head (Feet MSL)
3800
3795
3790
3785
3780
3775
3770
3765
10-Oct-2006
28-Apr-2007
14-Nov-2007
1-Jun-2008
18-Dec-2008
6-Jul-2009
22-Jan-2010
10-Aug-2010
26-Feb-2011
14-Sep-2011
1-Apr-2012
18-Oct-2012
6-May-2013
22-Nov-2013
10-Jun-2014
27-Dec-2014
15-Jul-2015
31-Jan-2016
18-Aug-2016
6-Mar-2017
22-Sep-2017
10-Apr-2018
27-Oct-2018
15-May-2019
1-Dec-2019
18-Jun-2020
4-Jan-2021
23-Jul-2021
8-Feb-2022
27-Aug-2022
15-Mar-2023
1-Oct-2023
18-Apr-2024
4-Nov-2024
DAD-09
DAD-10
DAD-20
DAD-21
DAD-22
DAD-26
MW-1
MW-2
MW-3
692-02
692-04
692-05
692-06
692-07
692-08
692-09

# APPENDIX E

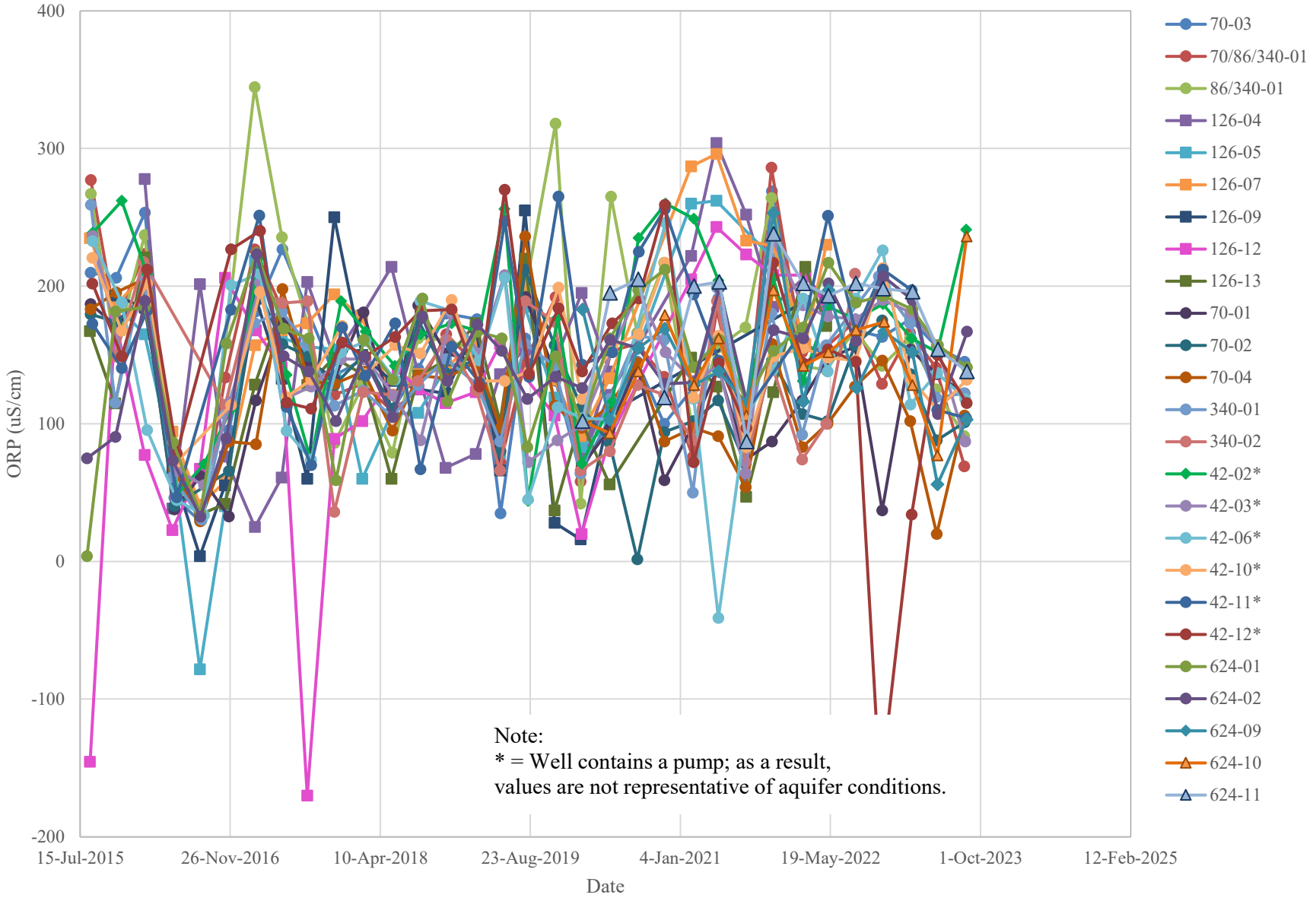
# FIELD PARAMETER TRENDS BY AREA


SPECIFIC CONDUCTANCE TRENDS
NORTHERN AREA DISCHARGE PLAN MONITORING WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO
Specific Conductance (us/cm)
14,000
12,000
10,000
8,000
6,000
4,000
2,000
0
15-Jul-2015
26-Nov-2016
10-Apr-2018
23-Aug-2019
4-Jan-2021
19-May-2022
1-Oct-2023
12-Feb-2025
Date
Note:
* = Well contains a pump
70-03
70/86/340-01
86/340-01
126-04
126-05
126-07
126-09
126-12
126-13
70-01
70-02
70-04
340-01
340-02
42-02*
42-03*
42-06*
42-10*
42-11*
42-12*
624-01
624-02
624-09
624-10
624-11

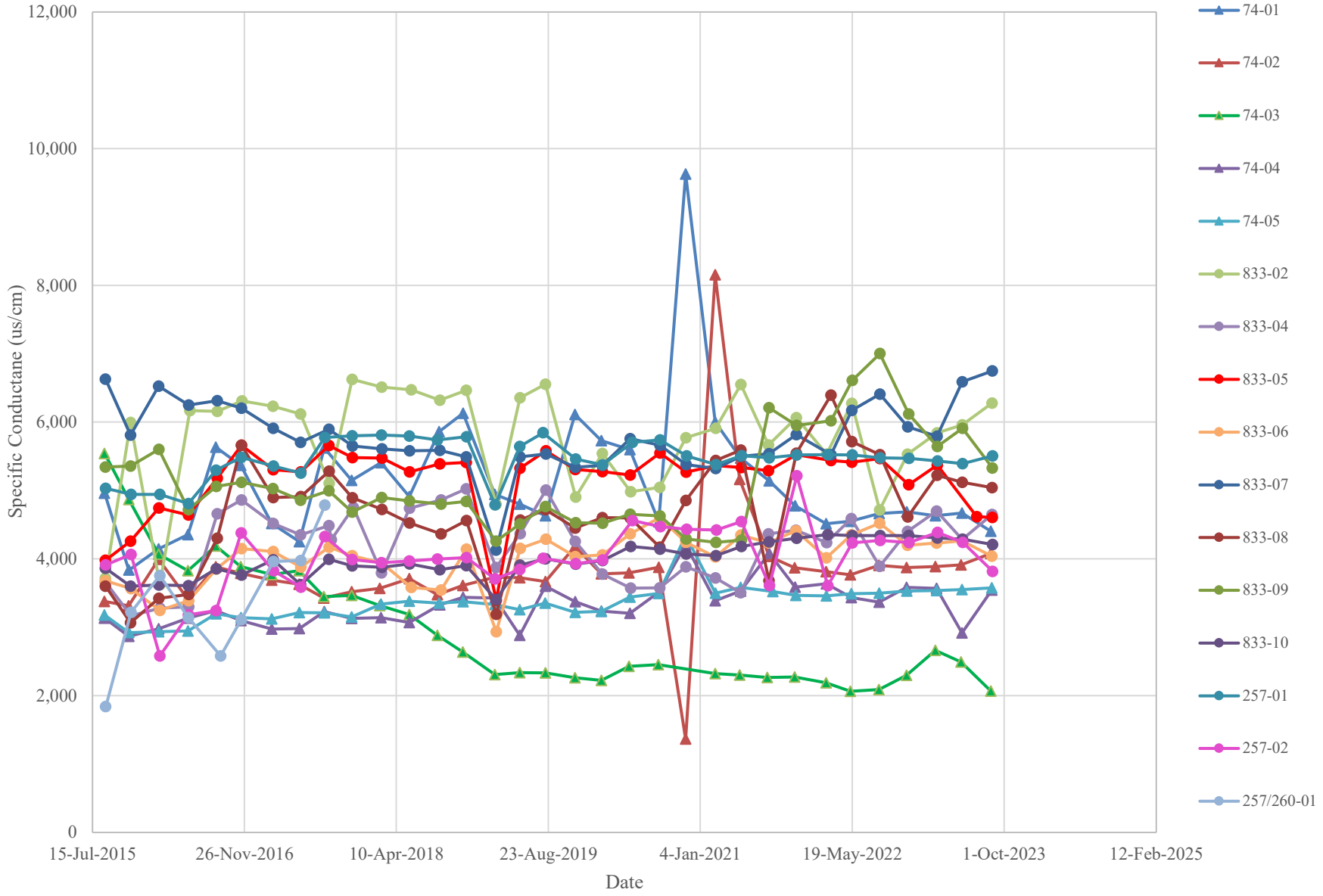
# DISSOLVED OXYGEN TRENDS
# NORTHERN AREA DISCHARGE PLAN MONITORING WELLS
# DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO

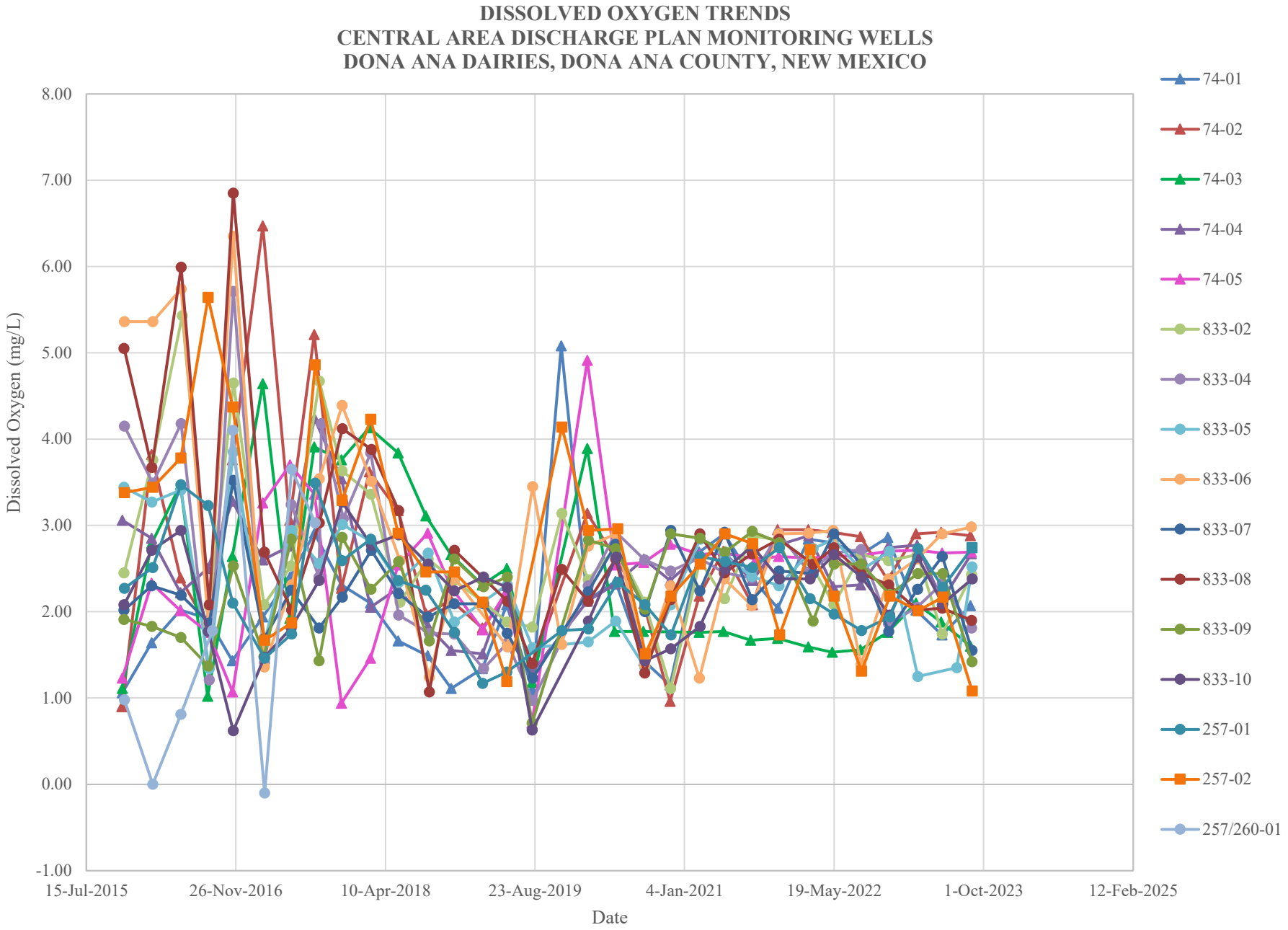


**OXIDATION-REDUCTION POTENTIAL TRENDS**
**NORTHERN AREA DISCHARGE PLAN MONITORING WELLS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

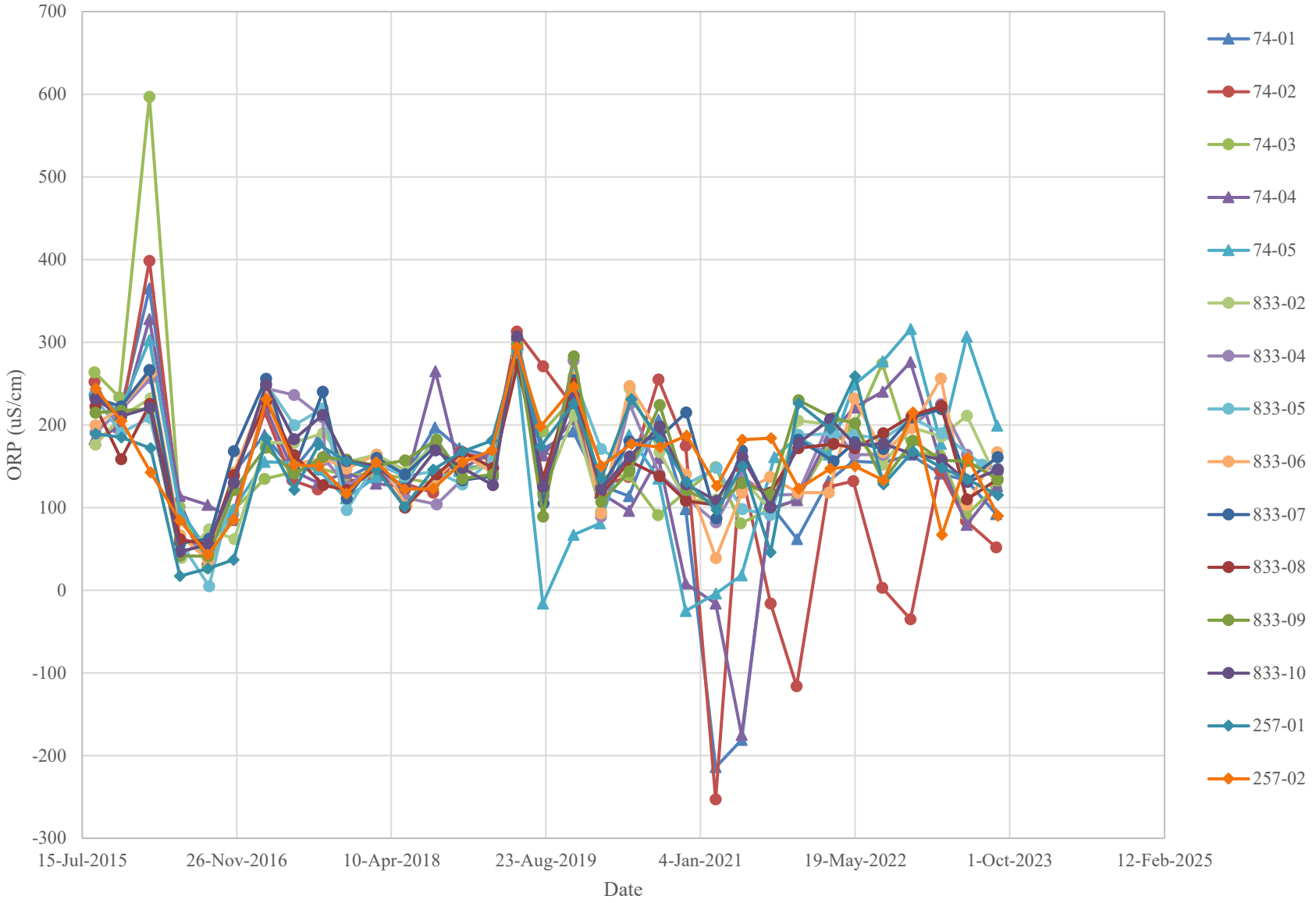


**SPECIFIC CONDUCTANCE TRENDS**
**CENTRAL AREA DISCHARGE PLAN MONITORING WELLS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

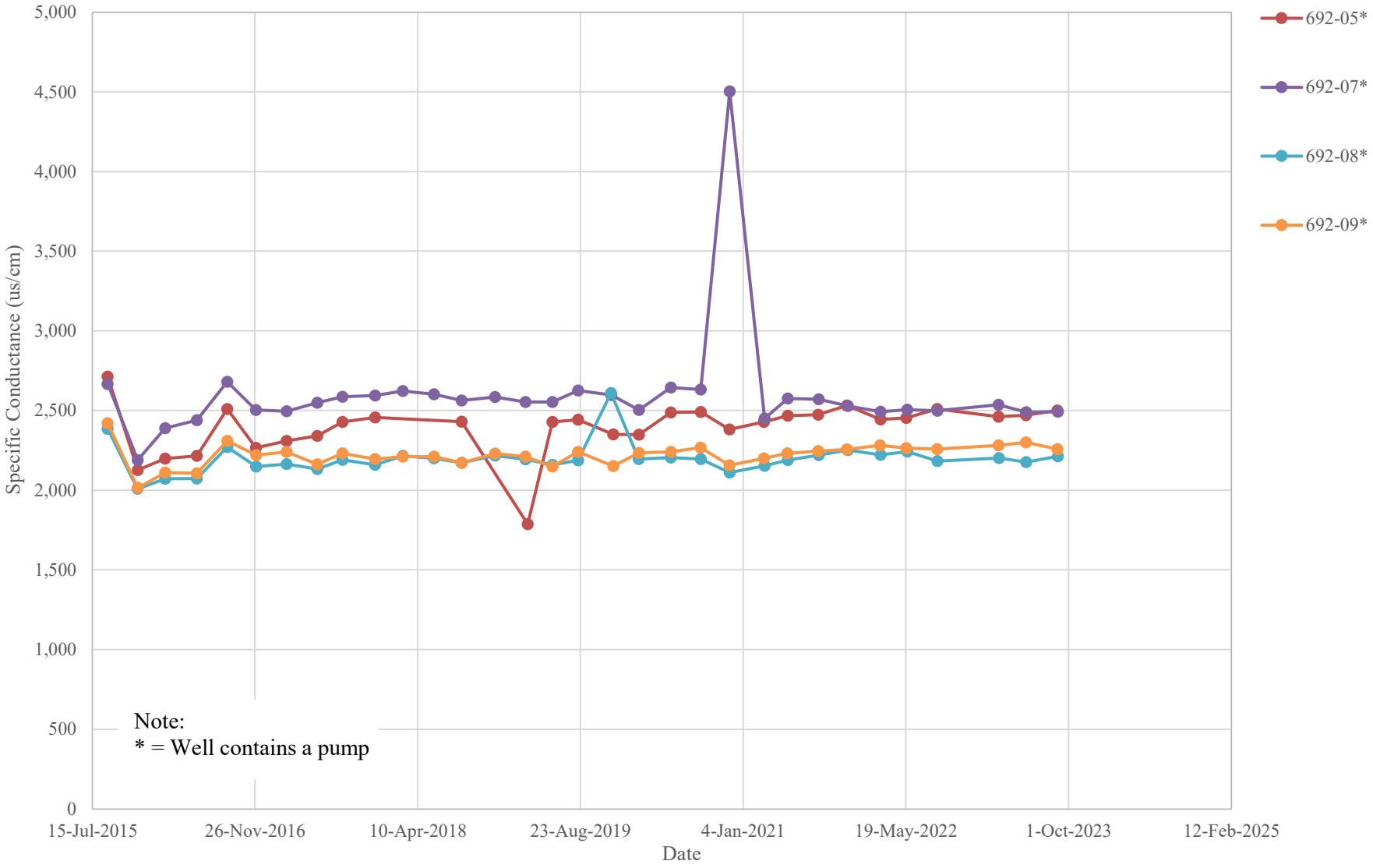



DISSOLVED OXYGEN TRENDS
CENTRAL AREA DISCHARGE PLAN MONITORING WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO
Dissolved Oxygen (mg/L)
8.00
7.00
6.00
5.00
4.00
3.00
2.00
1.00
0.00
-1.00
15-Jul-2015
26-Nov-2016
10-Apr-2018
23-Aug-2019
4-Jan-2021
19-May-2022
1-Oct-2023
12-Feb-2025
Date
74-01
74-02
74-03
74-04
74-05
833-02
833-04
833-05
833-06
833-07
833-08
833-09
833-10
257-01
257-02
257/260-01

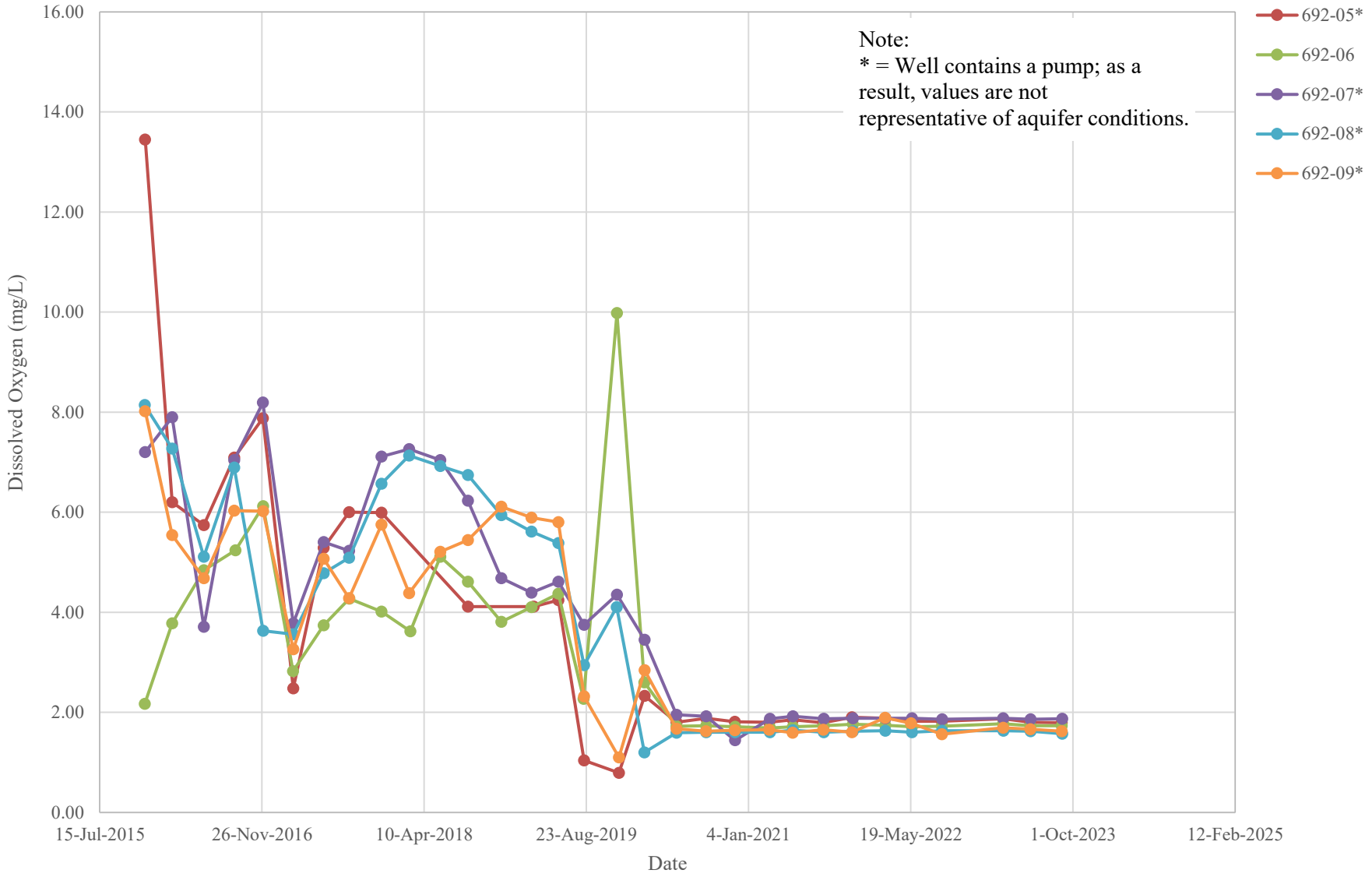
**OXIDATION-REDUCTION POTENTIAL TRENDS**
**CENTRAL AREA DISCHARGE PLAN MONITORING WELLS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



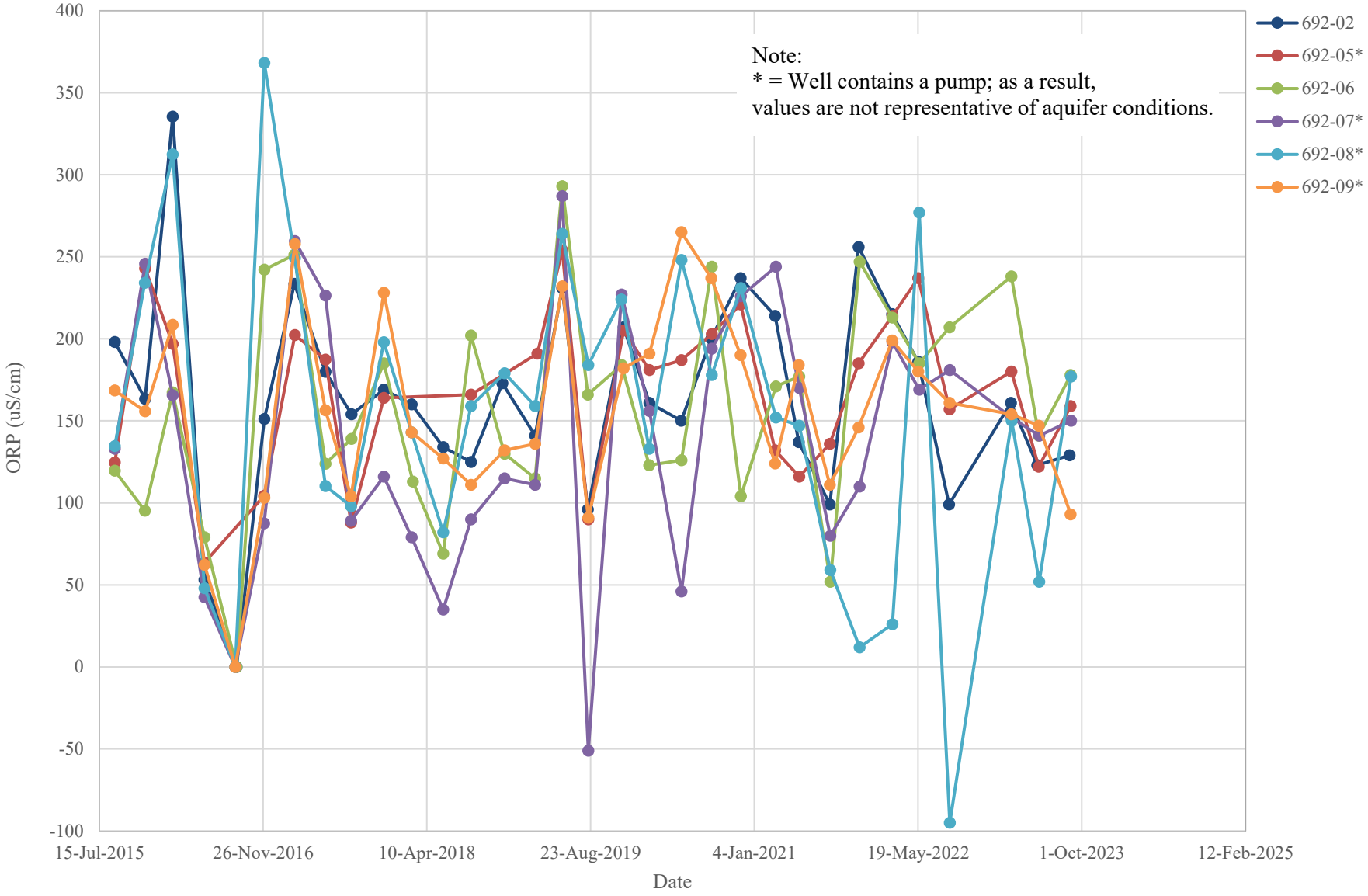
**SPECIFIC CONDUCTANCE TRENDS**
**SOUTHERN AREA DISCHARGE PLAN MONITORING WELLS**
**IN THE REGIONAL AQUIFER**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



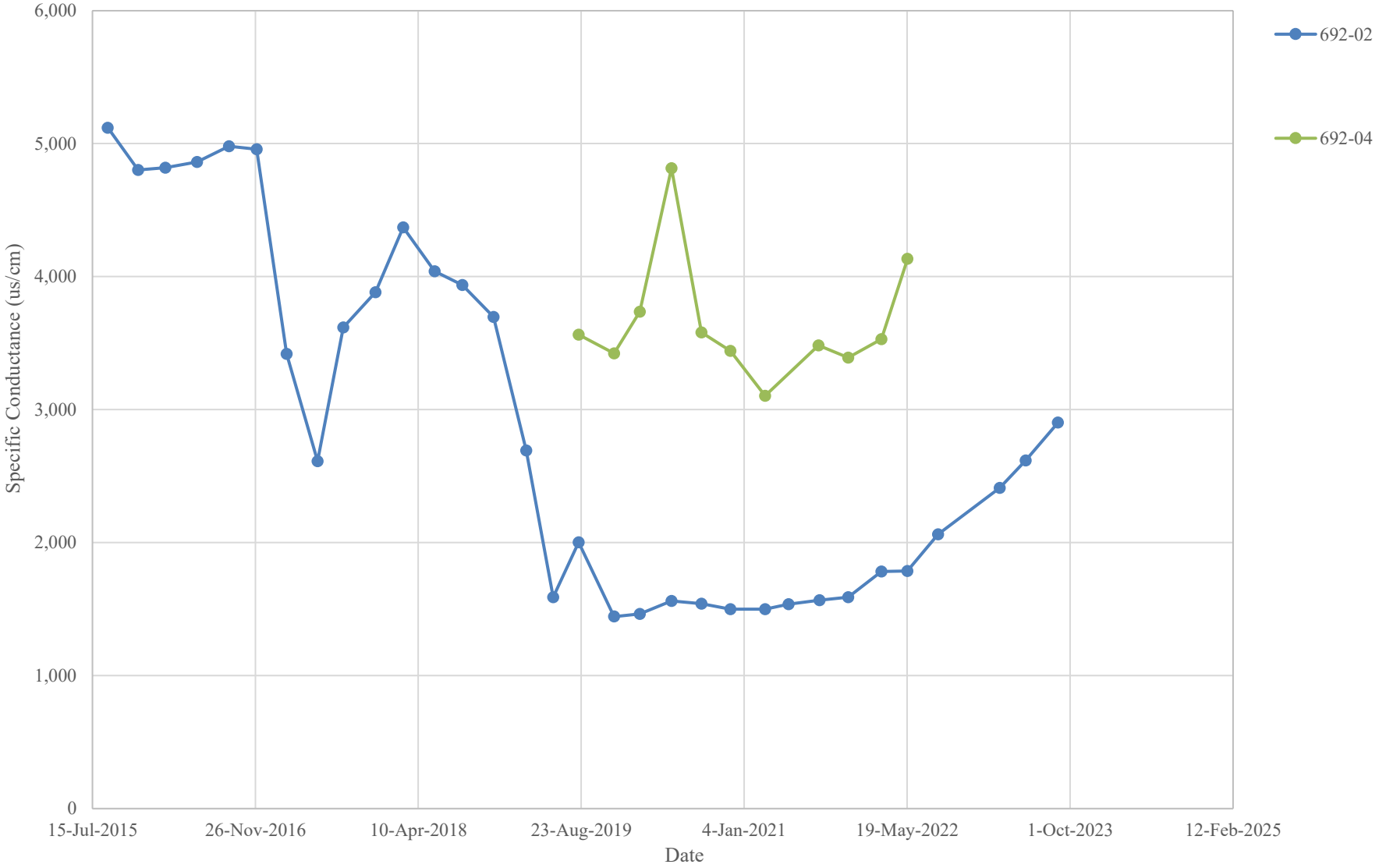
**DISSOLVED OXYGEN TRENDS**
**SOUTHERN AREA DISCHARGE PLAN MONITORING WELLS**
**IN THE REGIONAL AQUIFER**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



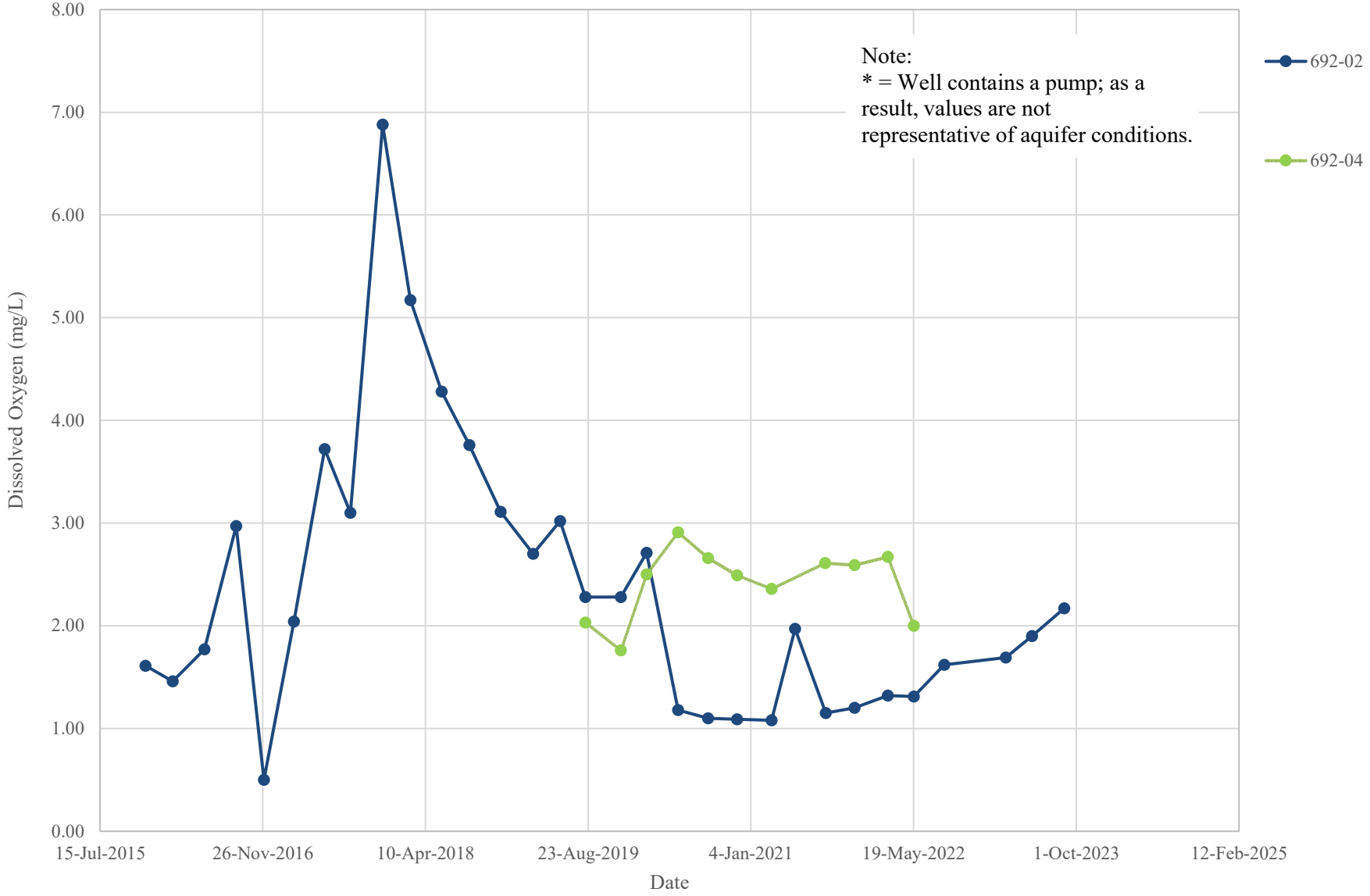
**OXIDATION-REDUCTION POTENTIAL TRENDS**
**SOUTHERN AREA DISCHARGE PLAN MONITORING WELLS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



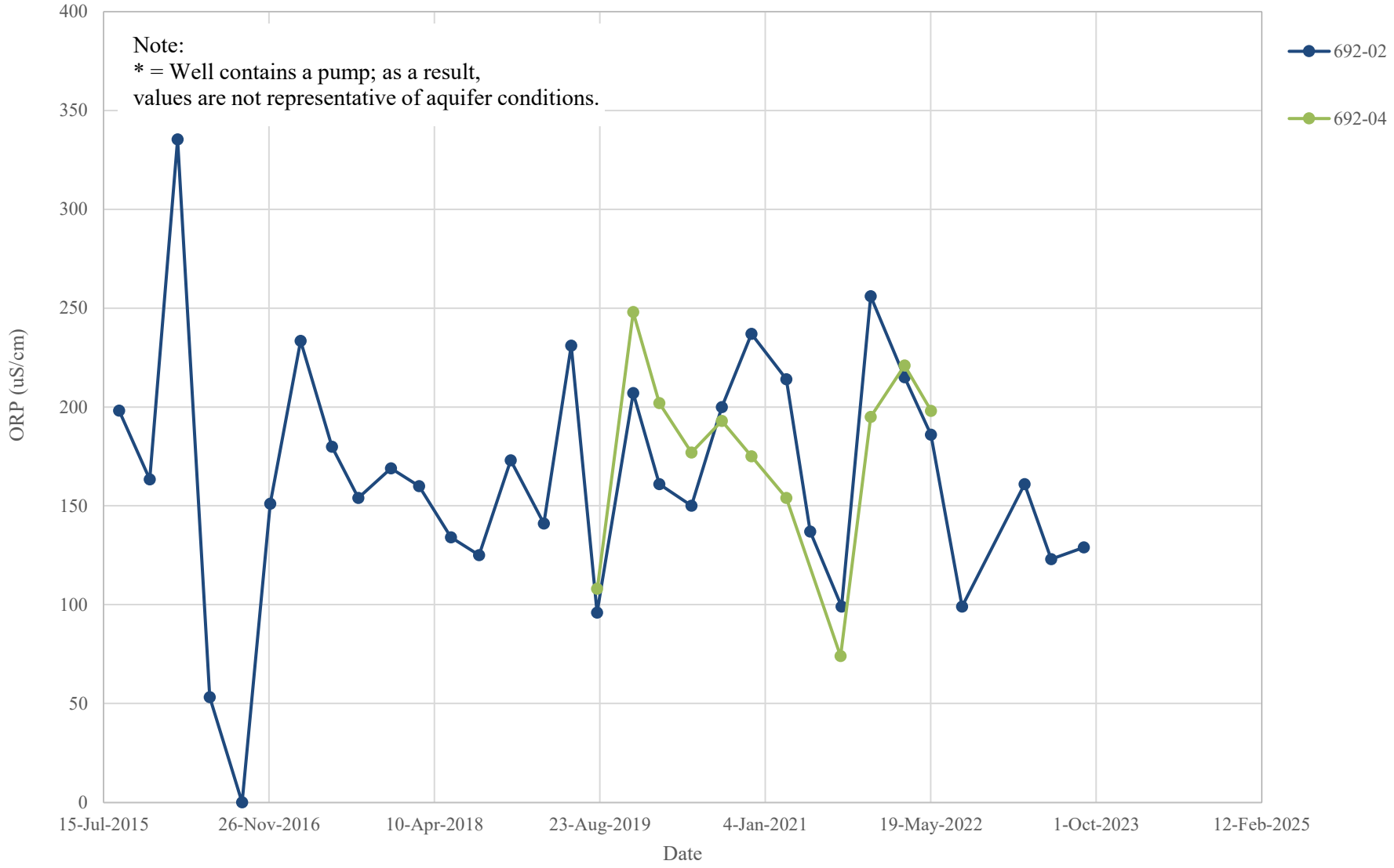
**SPECIFIC CONDUCTANCE TRENDS**
**SOUTHERN AREA DISCHARGE PLAN MONITORING WELLS**
**IN THE PERCHED AQUIFER**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



**DISSOLVED OXYGEN TRENDS**
**SOUTHERN AREA DISCHARGE PLAN MONITORING WELLS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



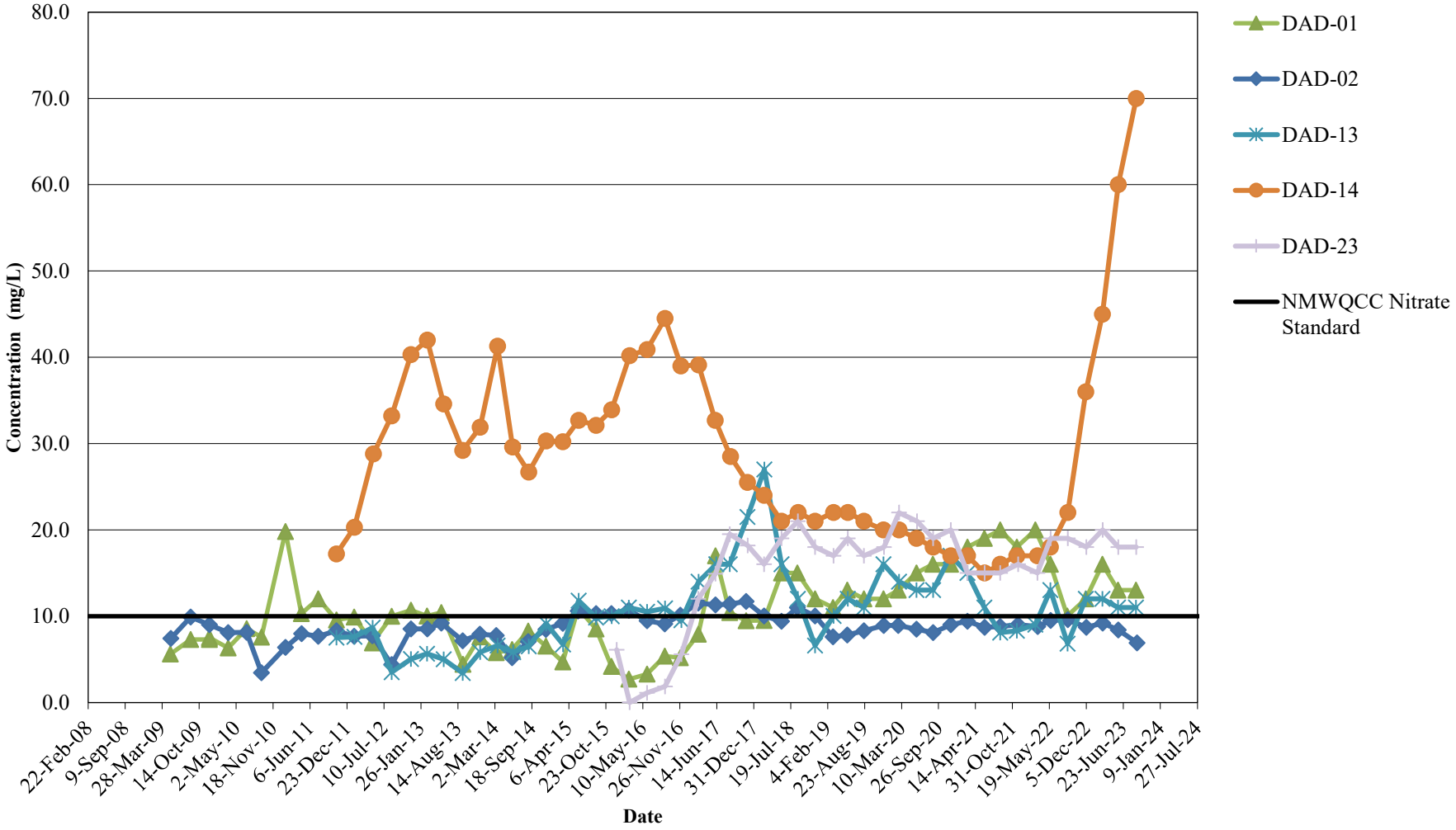
**OXIDATION-REDUCTION POTENTIAL TRENDS**
**SOUTHERN AREA DISCHARGE PLAN MONITORING WELLS**
**IN THE PERCHED AQUIFER**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



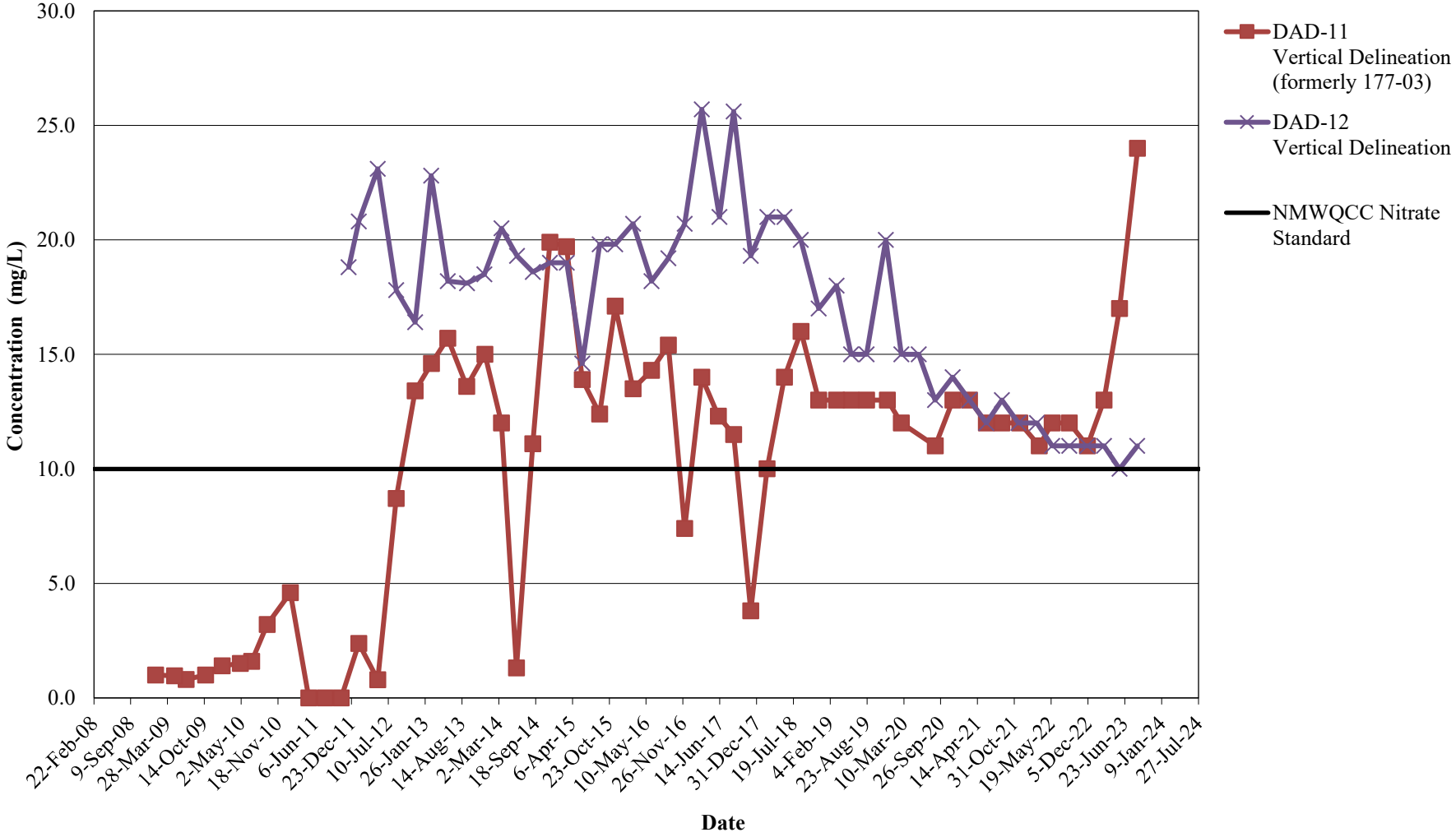
# APPENDIX F

# CONCENTRATION TRENDS BY AREA - ABATEMENT PLAN WELLS

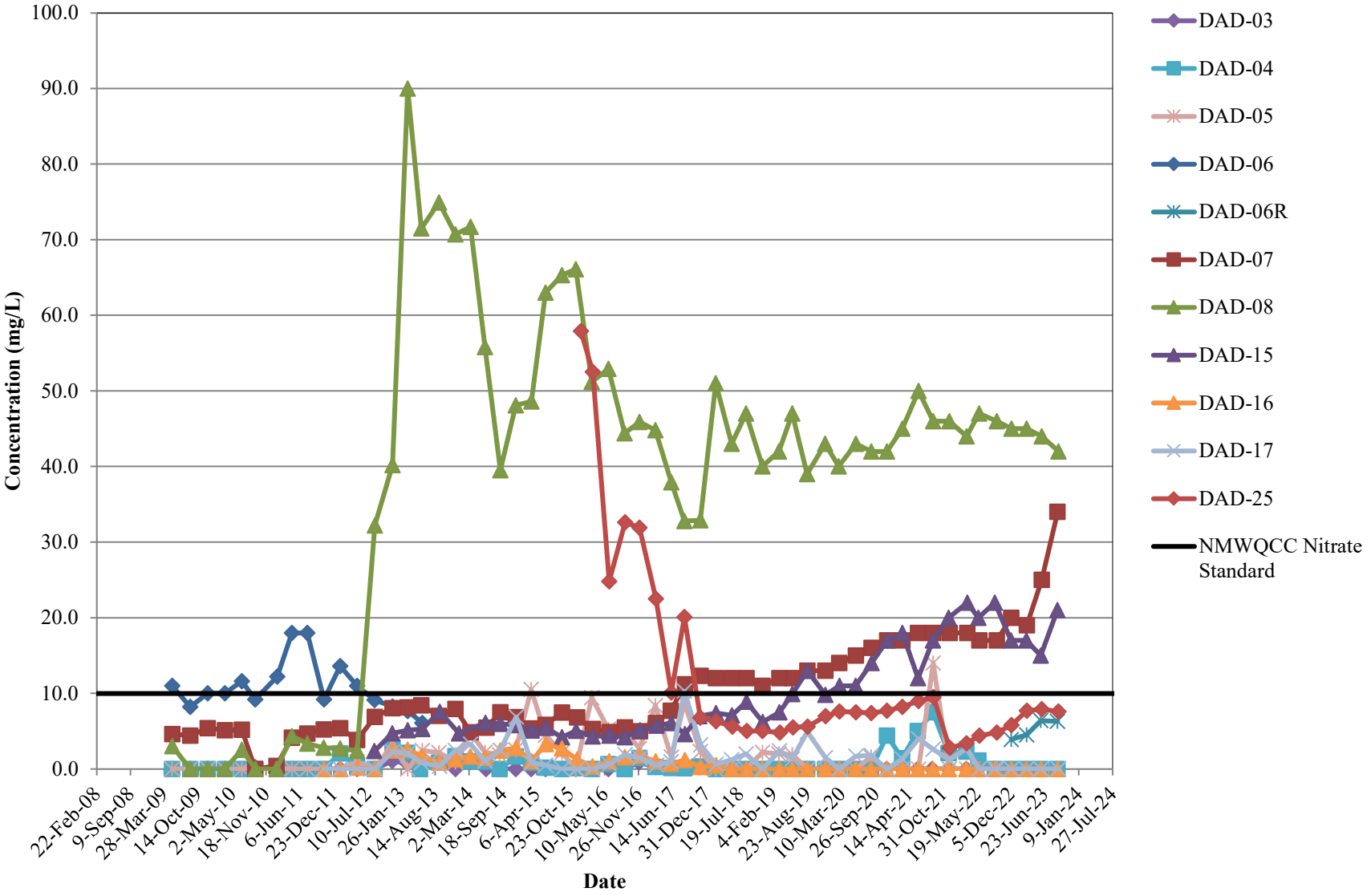
**NITRATE CONCENTRATION TRENDS**
**NORTHERN ABATEMENT PLAN MONITORING WELLS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



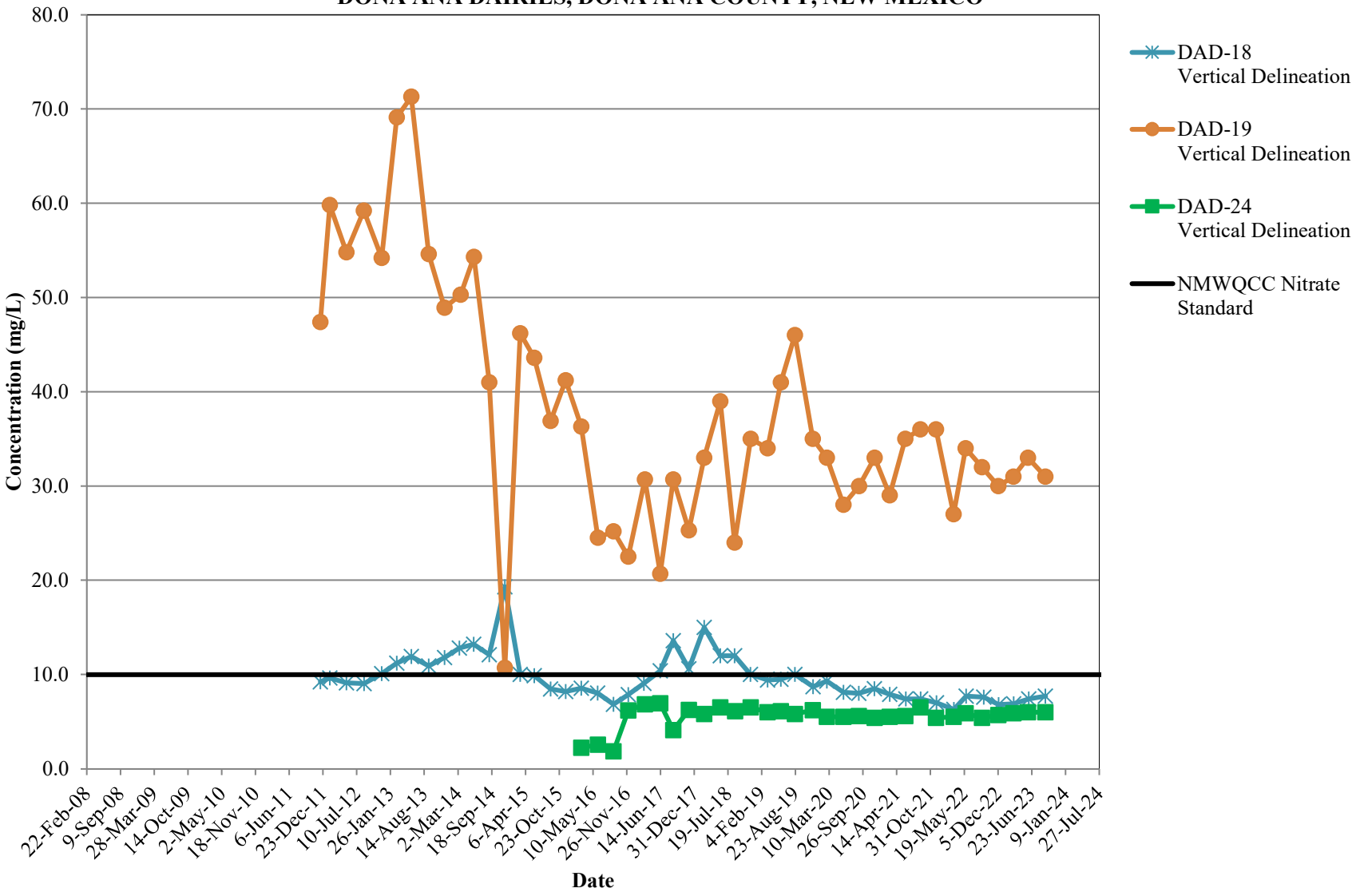
**NITRATE CONCENTRATION TRENDS**
**NORTHERN ABATEMENT PLAN MONITORING WELLS -**
**VERTICAL DELINEATION**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



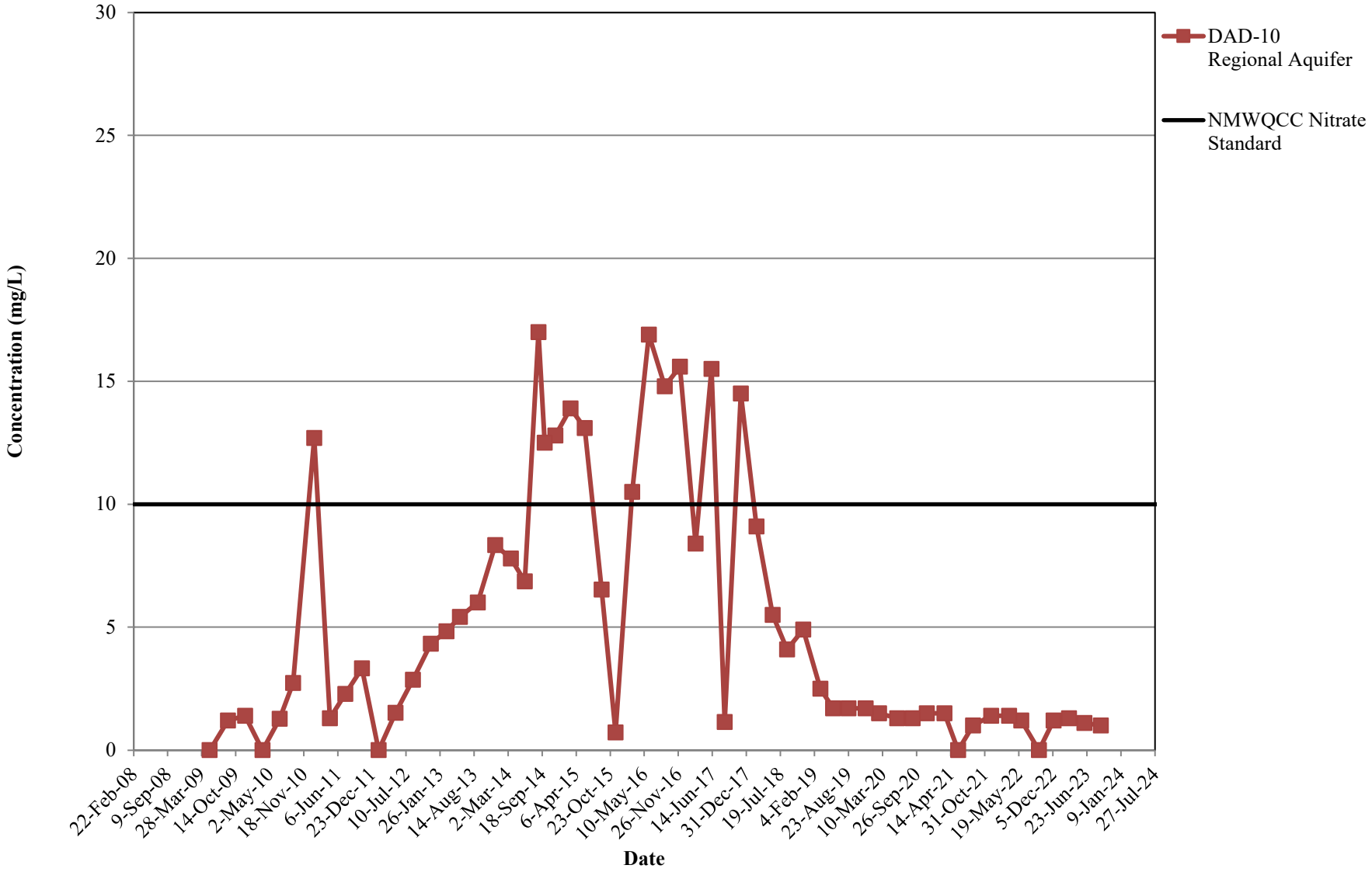
**NITRATE CONCENTRATION TRENDS**
**CENTRAL ABATEMENT PLAN MONITORING WELLS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



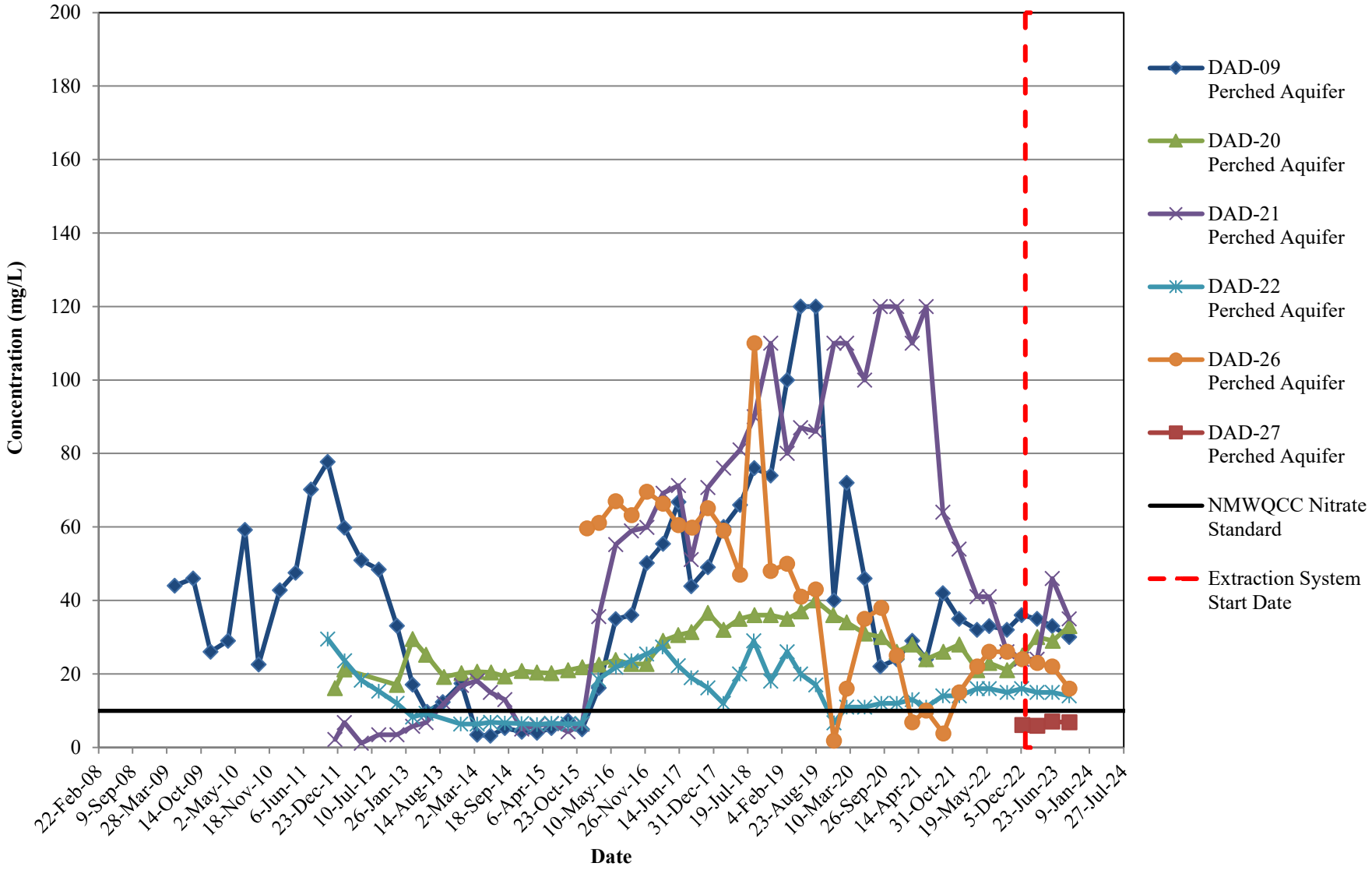
**NITRATE CONCENTRATION TRENDS**
**CENTRAL ABATEMENT PLAN MONITORING WELLS -**
**VERTICAL DELINEATION**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



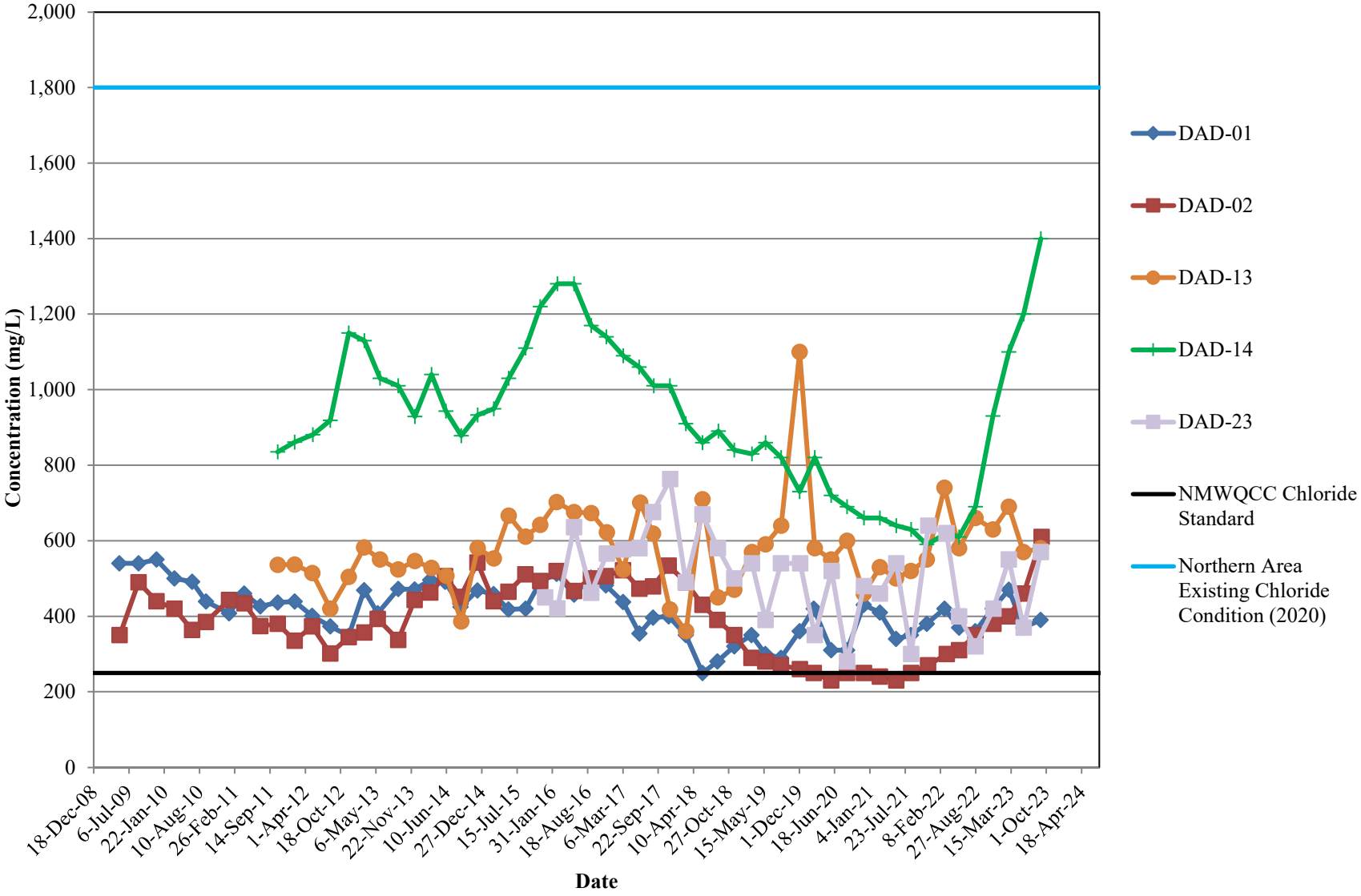
**NITRATE CONCENTRATION TRENDS**
**SOUTHERN ABATEMENT PLAN MONITORING WELLS**
**IN THE REGIONAL AQUIFER**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



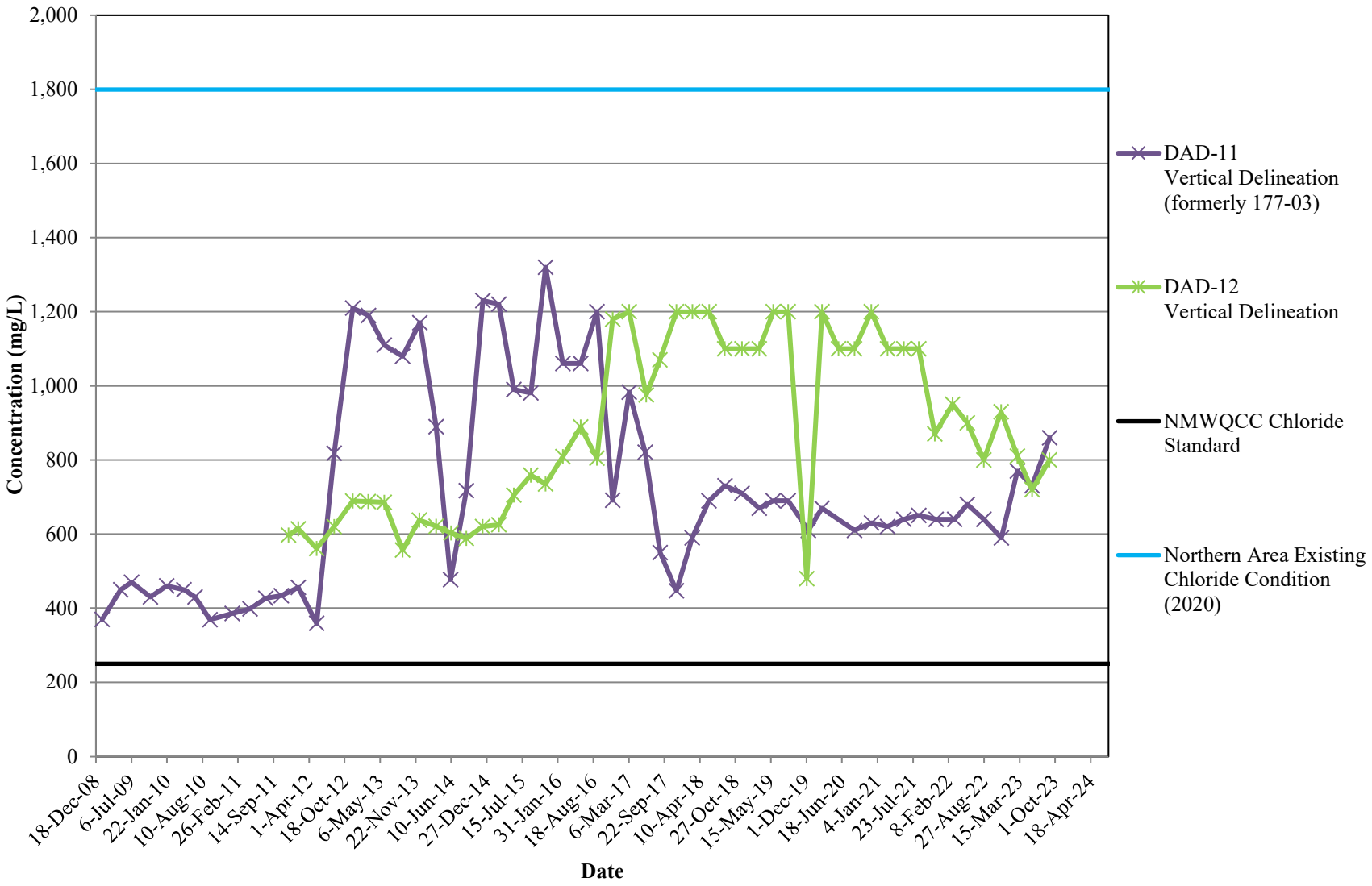
**NITRATE CONCENTRATION TRENDS**
**SOUTHERN ABATEMENT PLAN MONITORING WELLS**
**IN THE PERCHED AQUIFER**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

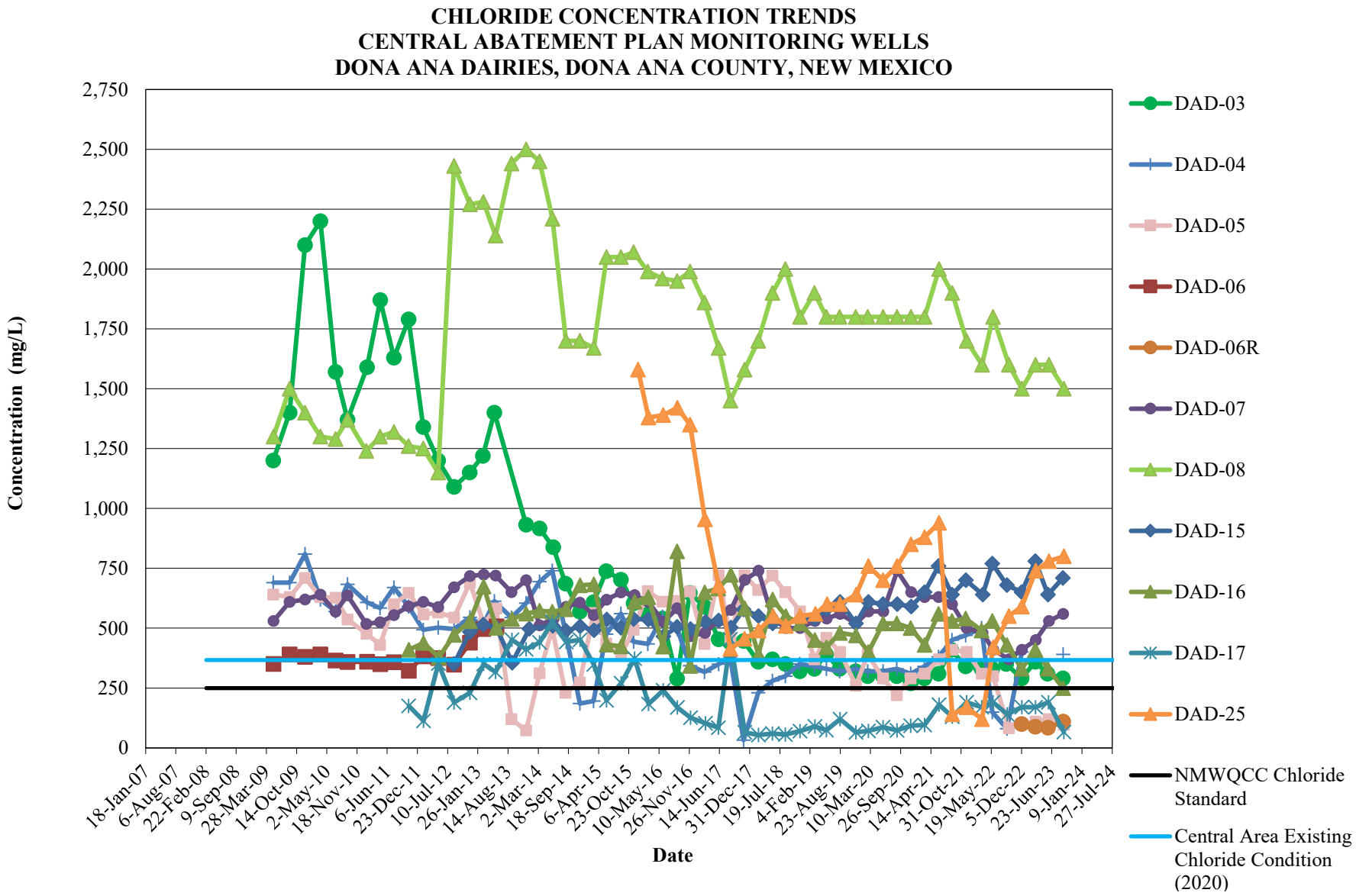


**CHLORIDE CONCENTRATION TRENDS**
**NORTHERN ABATEMENT PLAN MONITORING WELLS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

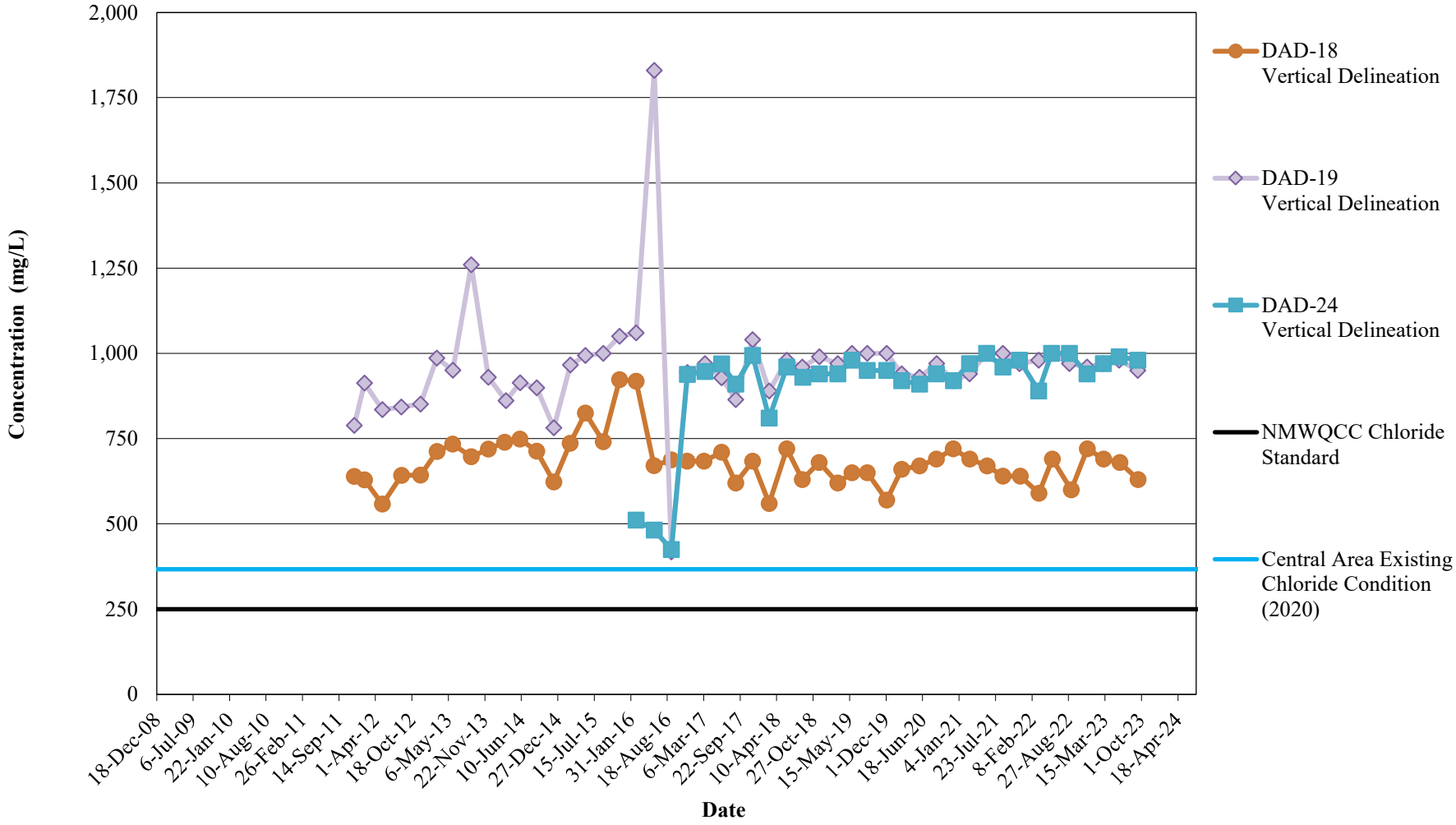


**CHLORIDE CONCENTRATION TRENDS**
**NORTHERN ABATEMENT PLAN MONITORING WELLS -**
**VERTICAL DELINEATION**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**

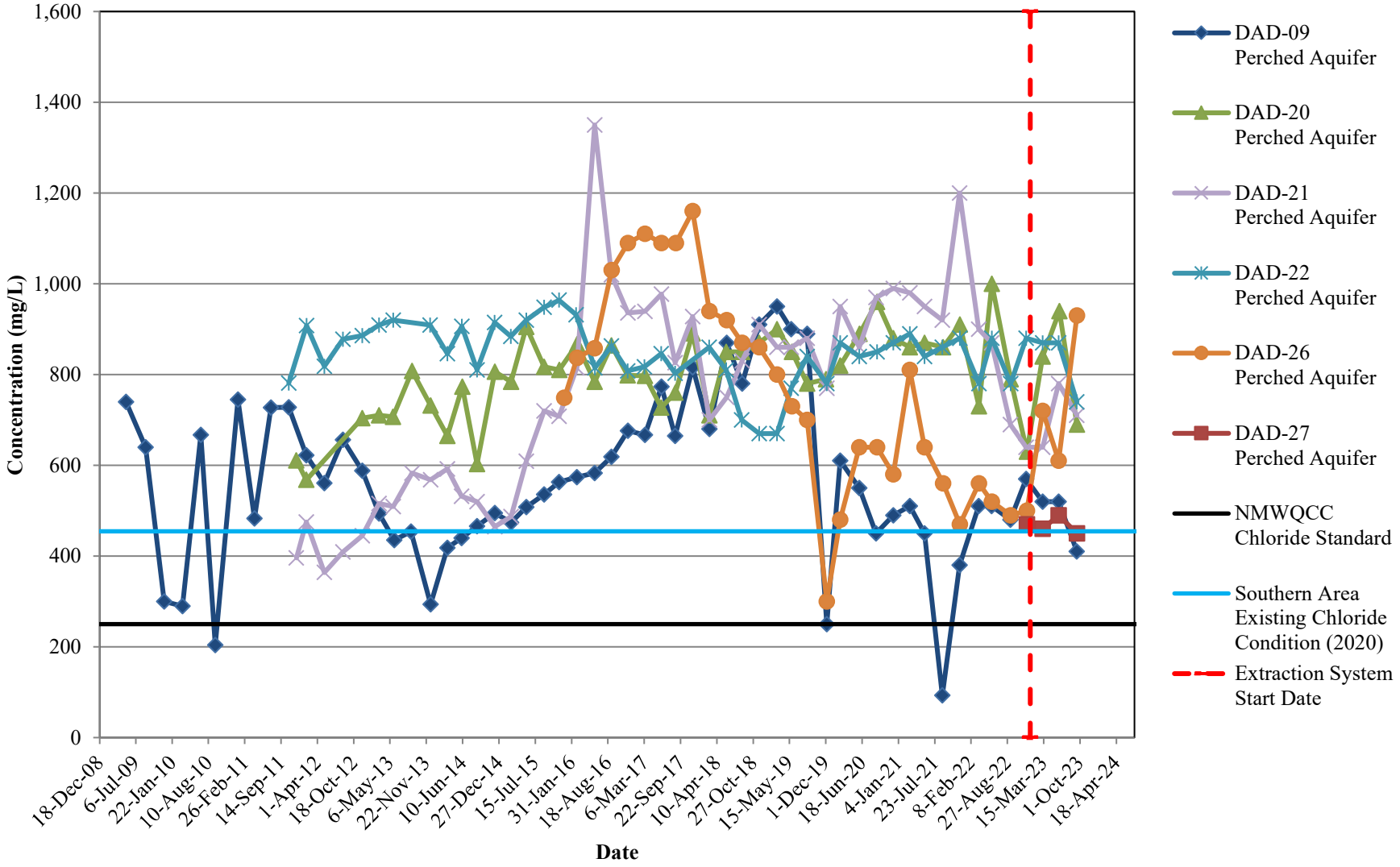



CHLORIDE CONCENTRATION TRENDS
CENTRAL ABATEMENT PLAN MONITORING WELLS
DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO
Concentration (mg/L)
2,750
2,500
2,250
2,000
1,750
1,500
1,250
1,000
750
500
250
0
18-Jan-07
6-Aug-07
22-Feb-08
9-Sep-08
28-Mar-09
14-Oct-09
2-May-10
18-Nov-10
6-Jun-11
23-Dec-11
10-Jul-12
26-Jan-13
14-Aug-13
2-Mar-14
18-Sep-14
6-Apr-15
23-Oct-15
10-May-16
26-Nov-16
14-Jun-17
31-Dec-17
19-Jul-18
4-Feb-19
23-Aug-19
10-Mar-20
26-Sep-20
14-Apr-21
31-Oct-21
19-May-22
5-Dec-22
23-Jun-23
9-Jan-24
27-Jul-24
Date
DAD-03
DAD-04
DAD-05
DAD-06
DAD-06R
DAD-07
DAD-08
DAD-15
DAD-16
DAD-17
DAD-25
NMWQCC Chloride Standard
Central Area Existing Chloride Condition (2020)

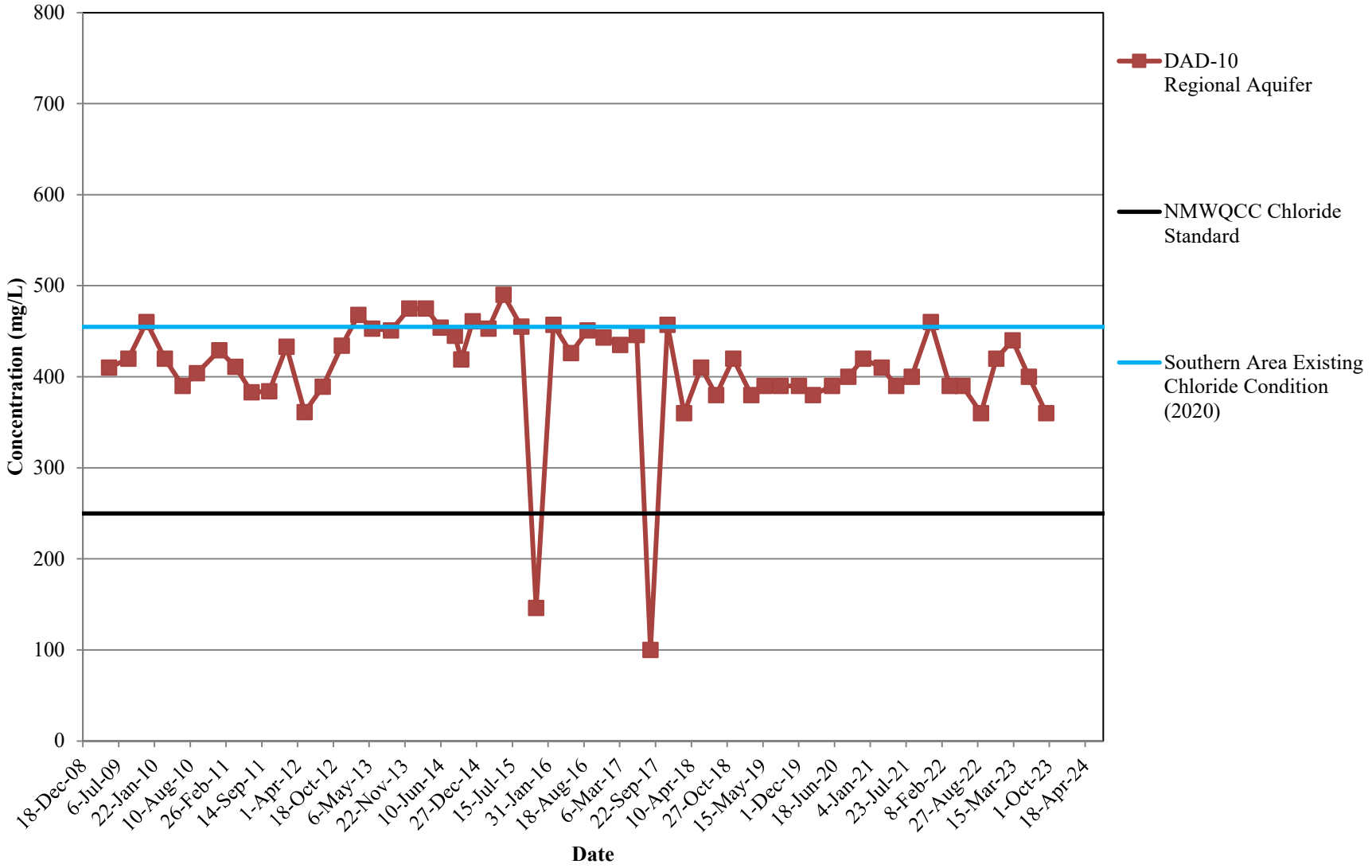
**CHLORIDE CONCENTRATION TRENDS**
**CENTRAL ABATEMENT PLAN MONITORING WELLS -**
**VERTICAL DELINEATION**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



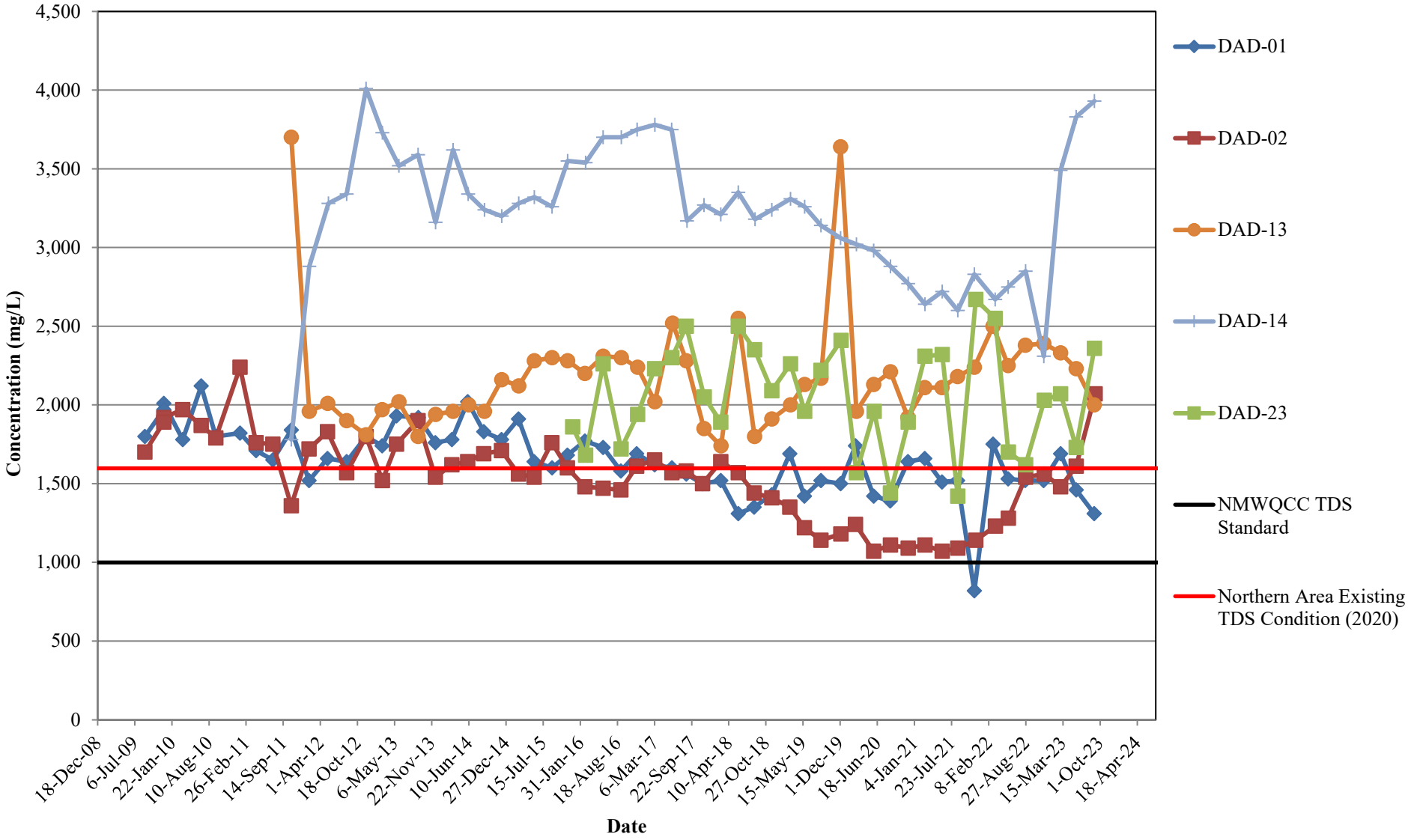
**CHLORIDE CONCENTRATION TRENDS**
**SOUTHERN ABATEMENT PLAN MONITORING WELLS**
**IN THE PERCHED AQUIFER**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



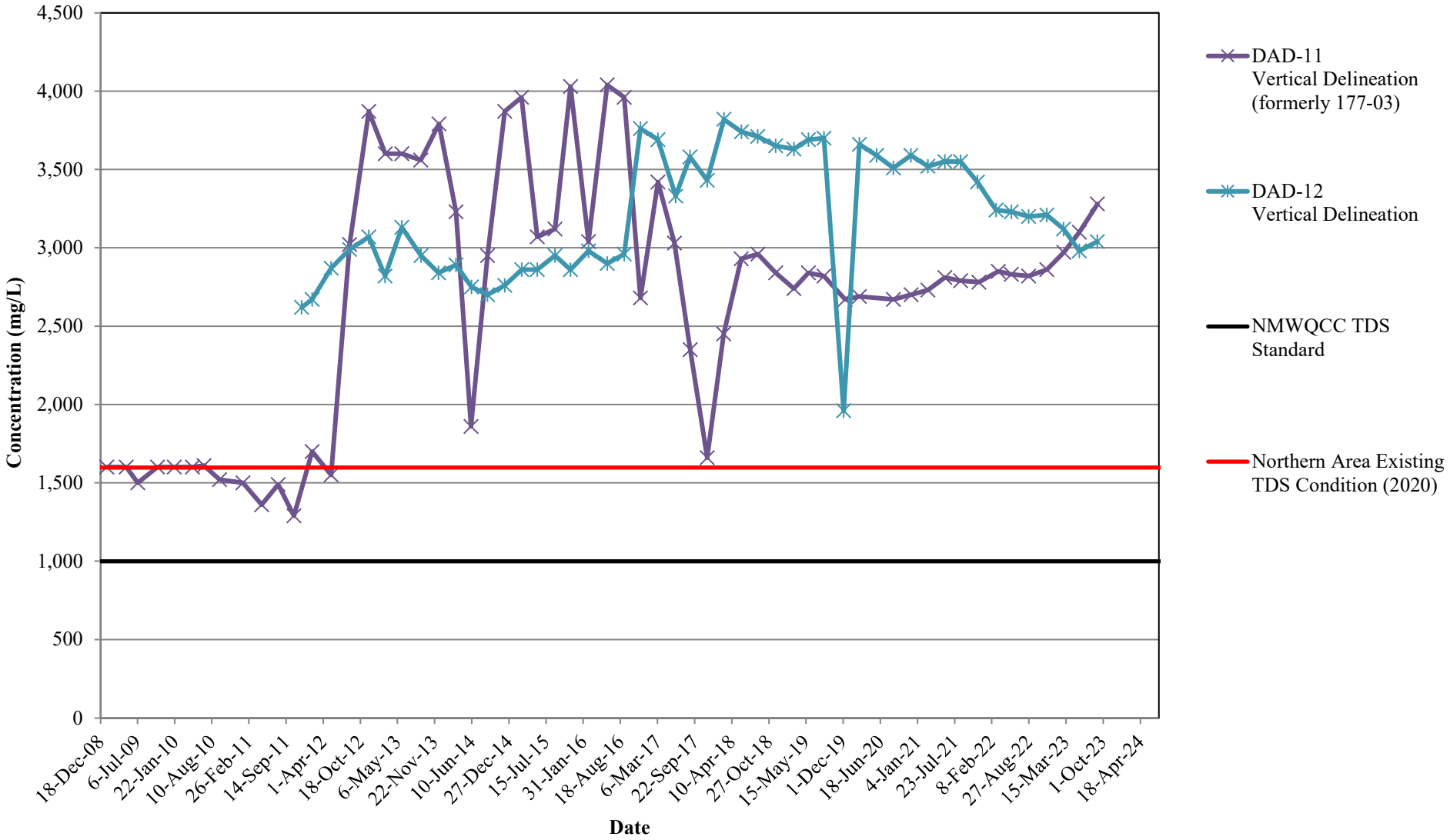
**CHLORIDE CONCENTRATION TRENDS**
**SOUTHERN ABATEMENT PLAN MONITORING WELLS**
**IN THE REGIONAL AQUIFER**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



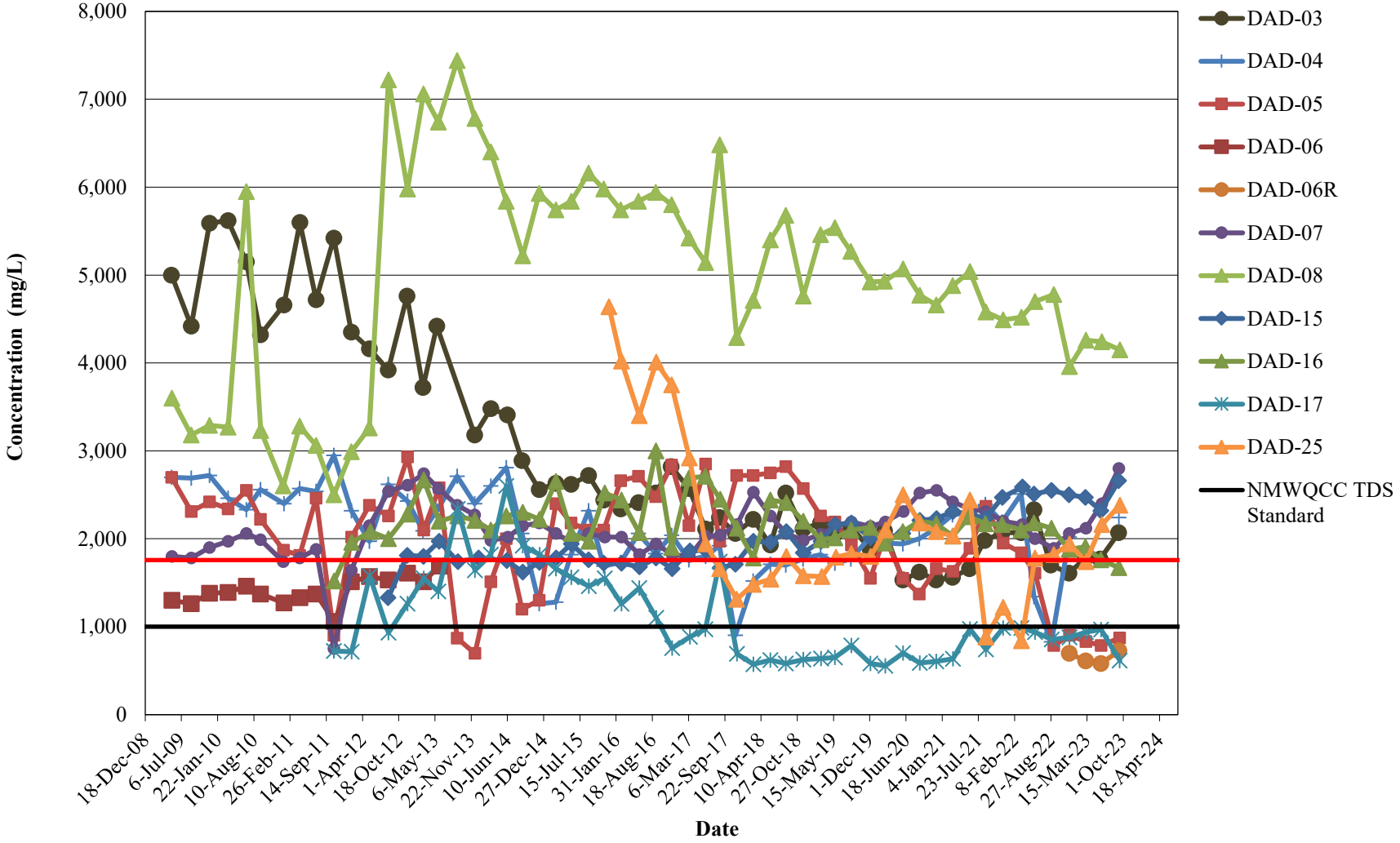
**TDS CONCENTRATION TRENDS**
**NORTHERN ABATEMENT PLAN MONITORING WELLS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



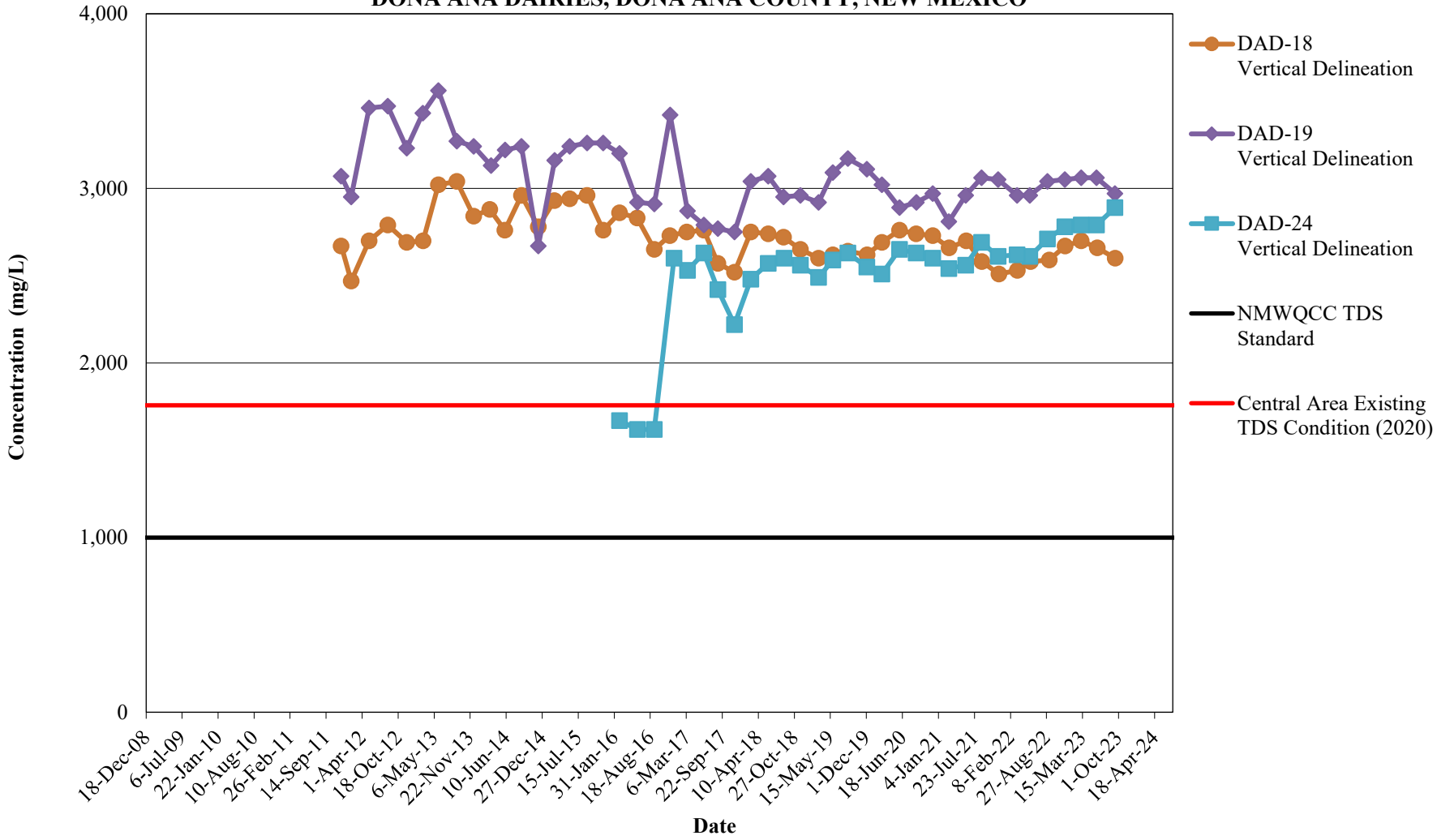
**TDS CONCENTRATION TRENDS**
**NORTHERN ABATEMENT PLAN MONITORING WELLS -**
**VERTICAL DELINEATION**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



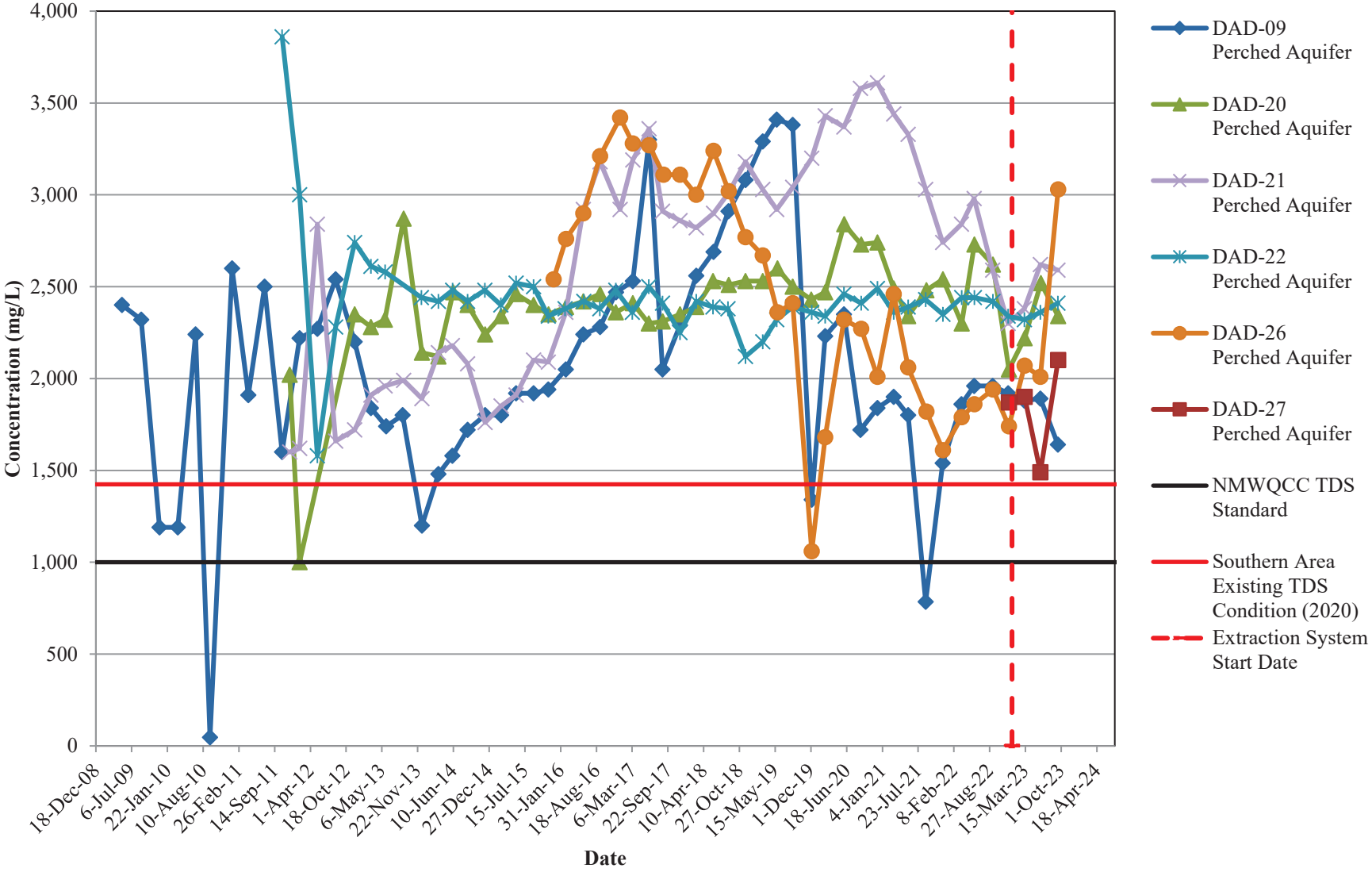
**TDS CONCENTRATION TRENDS**
**CENTRAL ABATEMENT PLAN MONITORING WELLS**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



**TDS CONCENTRATION TRENDS**
**CENTRAL ABATEMENT PLAN MONITORING WELLS -**
**VERTICAL DELINEATION**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



**TDS CONCENTRATION TRENDS**
**SOUTHERN ABATEMENT PLAN MONITORING WELLS**
**IN THE PERCHED AQUIFER**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**



**TDS CONCENTRATION TRENDS**
**SOUTHERN ABATEMENT PLAN MONITORING WELLS**
**IN THE REGIONAL AQUIFER**
**DONA ANA DAIRIES, DONA ANA COUNTY, NEW MEXICO**