



MICHELLE LUJAN GRISHAM  
GOVERNOR

JAMES C. KENNEY  
CABINET SECRETARY

**CERTIFIED MAIL – RETURN RECEIPT REQUESTED**

October 28, 2022

Robert Herrera, Executive Director  
Project Development and Engineering  
Office of Facilities and Services  
New Mexico State University  
PO Box 30001, MSC 3545  
Las Cruces, NM 88003-3545

**RE: Draft Discharge Permit Renewal and Modification, DP-1769, NMSU Agricultural Science Center at Tucumcari**

Dear Robert Herrera:

The New Mexico Environment Department (NMED) hereby provides notice to you of the proposed approval of Ground Water Discharge Permit Renewal and Modification, DP-1769, (copy enclosed), pursuant to Subsection H of 20.6.2.3108 NMAC. NMED will publish notice of the availability of the draft Discharge Permit in the near future for public review and comment and will forward a copy of that notice to you.

Prior to making a final ruling on the proposed Discharge Permit, NMED will allow 30 days from the date the public notice is published in the newspaper for any interested party, including the Discharge Permit applicant, i.e., yourself, to submit written comments and/or a request a public hearing. A hearing request shall set forth the reasons why a hearing is requested. NMED will hold a hearing in response to a timely hearing request if the NMED Secretary determines there is substantial public interest in the proposed Discharge Permit.

Please review the enclosed draft Discharge Permit carefully. Please be aware that this Discharge Permit may contain conditions that require the permittee to implement operational, monitoring or closure actions by a specified deadline.

Please submit written comments or a request for hearing to my attention at the address below, via email to [Kathleen.Murphy@env.nm.gov](mailto:Kathleen.Murphy@env.nm.gov) or to [pps.general@env.nm.gov](mailto:pps.general@env.nm.gov), or directly into the NMED Public Comment Portal at <https://nmed.commentinput.com/comment/search>. If NMED does not receive written comments or a request for hearing during the public comment period, the draft Discharge Permit will become final.

Thank you for your cooperation during the review process. Feel free to contact me with any questions at (505) 505-660-7567.

SCIENCE | INNOVATION | COLLABORATION | COMPLIANCE

Ground Water Quality Bureau | 1190 Saint Francis Drive, PO Box 5469, Santa Fe, New Mexico 87502-5469  
Telephone (505) 827-2900 | [www.env.nm.gov/gwqb/](http://www.env.nm.gov/gwqb/)

Robert Herrera

DATE

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Sincerely,

Kathleen Murphy, Permit Writer

Encl: Draft Discharge Permit Renewal and Modification, DP-1769

cc: Leonard Lauriault, NMSU Agricultural Science Center at Tucumcari Superintendent



**NEW MEXICO**  
**ENVIRONMENT DEPARTMENT**  
Ground Water Quality Bureau



1190 Saint Francis Drive / PO Box 5469  
Santa Fe, NM 87502-5469  
Phone (505) 827-2900 Fax (505) 827-2965  
[www.env.nm.gov](http://www.env.nm.gov)

***Draft: October 28, 2022***

**GROUND WATER QUALITY BUREAU**  
**DISCHARGE PERMIT**  
**Issued under 20.6.2 NMAC**

**Facility Name:** NMSU Agricultural Science Center at Tucumcari  
**Discharge Permit Number:** DP-1769  
**Facility Location:** 6502 Quay Road, AM.5, Tucumcari, NM 88401

**County:** Quay

**Permittee:** New Mexico State University  
Robert Herrera, Executive Director  
Project Development and Engineering  
Office of Facilities and Services

**Mailing Address:** PO Box 30001, MSC 3545  
Las Cruces, NM 88003-3545

**Facility Contact:** Leonard Lauriault  
**Telephone Number/Email:** 575-461-2620 / lmlaur@nmsu.edu

**Permitting Action:** Renewal and Modification  
**Permit Issuance Date:** DATE  
**Permit Expiration Date:** DATE

**NMED Permit Contact:** Kathleen Murphy, Permit Writer  
**Telephone Number/Email:** 505-660-7567 / Kathleen.Murphy@env.nm.gov or  
pps.general@env.nm.gov

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**JUSTIN D. BALL**  
Chief, Ground Water Quality Bureau  
New Mexico Environment Department

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Date

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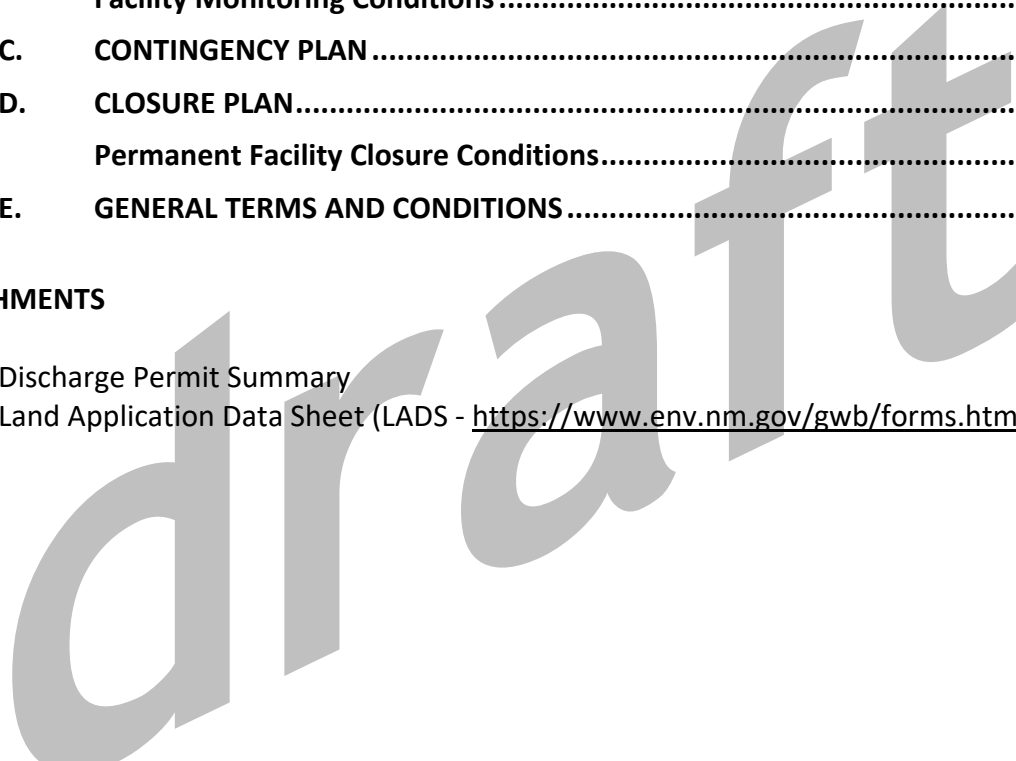
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**ATTACHMENTS**

Discharge Permit Summary  
Land Application Data Sheet (LADS - <https://www.env.nm.gov/gwb/forms.htm>)



## I. INTRODUCTION

The New Mexico Environment Department (NMED) issues this groundwater discharge permit Renewal and Modification (Discharge Permit or DP-1769) to the New Mexico State University (NMSU) (Permittee) pursuant to the New Mexico Water Quality Act (WQA), NMSA 1978 §§74-6-1 through 74-6-17, and the New Mexico Water Quality Control Commission (WQCC) Ground and Surface Water Protection Regulations, 20.6.2 NMAC.

NMED's purpose in issuing this Discharge Permit, and in imposing the requirements and conditions specified herein, is to control the discharge of water contaminants from NMSU Agricultural Science Center at Tukumcari (Facility) in order to protect groundwater and those segments of surface water gaining from groundwater inflow for present and potential future use as domestic and agricultural water supply and other uses, and to protect public health. It is NMED's determination in issuing this Discharge Permit that the Permittee has met the requirements of Subsection C of 20.6.2.3109 NMAC. The Permittee is responsible for complying with the terms and conditions of this Discharge Permit pursuant to Section 20.6.2.3104 NMAC; failure to do so may result in enforcement action by NMED (20.6.2.1220 NMAC).

Described below are the activities that produce the discharge, the location of the discharge, and the quantity, quality and flow characteristics.

The Permittee receives and discharges up to 720,000 gallons per day (gpd) of reclaimed domestic wastewater from the City of Tukumcari Wastewater Treatment Facility (WWTF). Reclaimed wastewater discharges to a 464-acre reuse area for research purposes. Up to 465 gpd of domestic wastewater from the facility buildings discharges to a septic tank/leachfield system for treatment and disposal. The Discharge Permit modification consists of a change in the quality of the wastewater discharge authorized for irrigation at the Facility under certain circumstances.

The discharge may contain water contaminants or toxic pollutants elevated above the standards of Section 20.6.2.3103 NMAC and is not subject to the exemption at Subsection 20.6.2.3105.A NMAC.

The Facility is located at 6502 Quay Road, AM.5, Tukumcari, New Mexico, 88401, approximately 3 miles northeast of Tukumcari, in Sections 6 and 7, Township 11N, Range 31E, and Section 1, Township 11N, Range 30E, Quay County. A discharge at the Facility is most likely to affect groundwater at a depth of approximately 16 feet and having a pre-discharge total dissolved solids (TDS) concentration of approximately 490 milligrams per liter.

NMED issued the original Discharge Permit to the Permittee on April 6, 2012, and subsequently renewed the Permit on June 19, 2017. The application (i.e., discharge plan) associated with this

Discharge Permit consists of the materials submitted by NMSU dated February 28, 2022, and materials contained in the administrative record prior to issuance of this Discharge Permit.

The Permittee shall manage the discharge in accordance with all conditions and requirements of this Discharge Permit.

NMED reserves the right to require a Discharge Permit modification in the event NMED determines that the Permittee is or may be violating, or is likely to violate in the future, the requirements of 20.6.2 NMAC or the standards of Section 20.6.2.3103 NMAC. NMED reserves this right pursuant to Section 20.6.2.3109 NMAC. An NMED requirement to modify the Discharge Permit may result from a determination by the department that structural controls and/or management practices approved under this Discharge Permit are insufficiently protective of groundwater quality and human health. NMED reserves the right to require the Permittee implement abatement of water pollution and remediate groundwater quality.

NMED issuance of this Discharge Permit does not relieve the Permittee of the responsibility to comply with the WQA, WQCC Regulations, and any other applicable federal, state and/or local laws and regulations, such as zoning requirements and nuisance ordinances.

This Discharge Permit may use the following acronyms and abbreviations.

Abbreviation	Explanation	Abbreviation	Explanation
BOD <sub>5</sub>	biochemical oxygen demand (5-day)	NMED	New Mexico Environment Department
CAP	Corrective Action Plan	NMSA	New Mexico Statutes Annotated
CFR	Code of Federal Regulations	NO <sub>3</sub> -N	nitrate-nitrogen
CFU	colony forming unit	NTU	nephelometric turbidity units
Cl	chloride	QA/QC	Quality Assurance/Quality Control
EPA	United States Environmental Protection Agency	TDS	total dissolved solids
Gpd	gallons per day	TKN	total Kjeldahl nitrogen
LAA	land application area	total nitrogen	= TKN + NO <sub>3</sub> -N
LADS	Land Application Data Sheet(s)	TRC	total residual chlorine
mg/L	milligrams per liter	TSS	total suspended solids
mL	milliliters	WQA	New Mexico Water Quality Act
MPN	most probable number	WQCC	Water Quality Control Commission
NMAC	New Mexico Administrative Code	WWTF	Wastewater Treatment Facility

## **II. FINDINGS**

In issuing this Discharge Permit, NMED finds the following.

1. The Permittee is discharging effluent or leachate from the Facility so that such effluent or leachate may move into groundwater of the State of New Mexico that has an existing concentration of 10,000 mg/L or less of TDS, within the meaning of Subsection A of 20.6.2.3101 NMAC, without exceeding standards of 20.6.2.3103 NMAC for any water contaminant.
2. The Permittee is discharging effluent or leachate from the Facility directly or indirectly into groundwater pursuant to this Discharge Permit and Sections 20.6.2.3000 through 20.6.2.3114 NMAC.
3. The discharge from the Facility is not subject to any of the exemptions of Section 20.6.2.3105 NMAC.

## **III. AUTHORIZATION TO DISCHARGE**

The Permittee is responsible for ensuring that discharges authorized by this Discharge Permit are consistent with the terms and conditions herein pursuant to 20.6.2.3104 NMAC.

This Discharge Permit authorizes the Permittee to receive and discharge up to 720,000 gpd of reclaimed domestic wastewater from the Tucumcari WWTF. This Discharge Permit authorizes the Permittee to discharge reclaimed domestic wastewater to 464 acres of cultivated cropland, ornamental landscapes and grounds, and improved/native pastures (reuse area) for the purpose of conducting science based agricultural investigation on crops and conditions and associated non-research uses. This Discharge Permit authorizes the Permittee to discharge up to 465 gpd of domestic wastewater from the facility buildings to a septic tank/leachfield system for treatment and disposal.

[20.6.2.3104 NMAC, Subsection C of 20.6.2.3106 NMAC, Subsection D of 20.6.2.3109 NMAC]

## **IV. CONDITIONS**

NMED issues this Discharge Permit for the discharge of water contaminants subject to the following conditions.

### **A. OPERATIONAL PLAN**

#	Terms and Conditions
1.	The Permittee shall implement the following operational plan to ensure compliance with Title 20, Chapter 6, Parts 2 and 4 NMAC.  [Subsection C of 20.6.2.3109 NMAC]
2.	The Permittee shall operate in a manner that does not violate standards and requirements of Sections 20.6.2.3101 and 20.6.2.3103 NMAC.  [20.6.2.3101 NMAC, 20.6.2.3103 NMAC, Subsection C of 20.6.2.3109 NMAC]

**Operating Conditions**

#	Terms and Conditions																		
3.	The Permittee shall ensure that Class 1B reclaimed domestic wastewater discharged at the Facility does not exceed the following discharge limit.  <b>Total Nitrogen: 15 mg/L</b>  For limited research purposes only and under a workplan submitted to NMED in accordance with this Discharge Permit, the Permittee may receive, and discharge Class 1B reclaimed domestic wastewater with a total nitrogen concentration up to 45 mg/L to the reuse areas.  [Subsection C of 20.6.2.3109 NMAC]																		
4.	The Permittee shall ensure that Class 1B reclaimed domestic wastewater received from the City of Tucumcari WWTF and discharged to the reuse area does not exceed the following discharge limits.  <table border="1" data-bbox="292 1486 1185 1759"> <thead> <tr> <th><u>Test</u></th> <th><u>30-day Average</u></th> <th><u>Maximum</u></th> </tr> </thead> <tbody> <tr> <td>Total Nitrogen</td> <td><b>N/A</b></td> <td><b>15 mg/L</b></td> </tr> <tr> <td>E. coli bacteria</td> <td><b>63 CFU/100 mL</b></td> <td><b>126 CFU/ 100 mL</b></td> </tr> <tr> <td>BOD<sub>5</sub></td> <td><b>30 mg/L</b></td> <td><b>45 mg/L</b></td> </tr> <tr> <td>TSS</td> <td><b>30 mg/L</b></td> <td><b>45 mg/L</b></td> </tr> <tr> <td>TRC</td> <td><b>Monitor Only</b></td> <td><b>Monitor Only</b></td> </tr> </tbody> </table> On a limited basis, the Permittee may receive, and discharge reclaimed domestic wastewater with a total nitrogen concentration up to 45 mg/L in accordance with the	<u>Test</u>	<u>30-day Average</u>	<u>Maximum</u>	Total Nitrogen	<b>N/A</b>	<b>15 mg/L</b>	E. coli bacteria	<b>63 CFU/100 mL</b>	<b>126 CFU/ 100 mL</b>	BOD <sub>5</sub>	<b>30 mg/L</b>	<b>45 mg/L</b>	TSS	<b>30 mg/L</b>	<b>45 mg/L</b>	TRC	<b>Monitor Only</b>	<b>Monitor Only</b>
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TRC	<b>Monitor Only</b>	<b>Monitor Only</b>																	



#	Terms and Conditions
	<p>permit conditions specified in the Operational and Monitoring and Reporting sections of this Discharge Permit to apply to times when Permittee is discharging reclaimed domestic wastewater with total nitrogen content of greater than 15 mg/L and less than 45 mg/L</p> <p>[Subsections B and C of 20.6.2.3109 NMAC, NMSA 1978, § 74-6-5.D]</p>
5.	<p>Prior to discharging reclaimed domestic wastewater with total nitrogen content of greater than 15 mg/L and less than 45 mg/L, the Permittee shall submit a Study Plan to NMED for review and approval that includes the monitoring requirements stated in the Monitoring and Reporting section of this Discharge Permit.</p> <p>[Subsection C of 20.6.2.3109 NMAC]</p>
6.	<p>During times when the Permittee is discharging wastewater that has a total nitrogen content greater than 15 mg/L and less than 45 mg/L the Permittee shall apply reclaimed domestic wastewater in a manner that does not cause the wetting front to extend more than five feet past the root zone of the crop studied.</p> <p>[Subsection C of 20.6.2.3109 NMAC]</p>
7.	<p>The Permittee shall apply reclaimed domestic wastewater evenly to cropland under cultivation (the reuse area) such that the amount of total nitrogen in the combined application of wastewater and fertilizer does not exceed by more than 25% the amount reasonably expected to be taken up by the crop(s) and removed by harvesting in any rolling 12-month period. The Permittee shall not adjust Nitrogen content to account for volatilization or mineralization processes. The Permittee shall prevent excessive ponding from occurring due to the discharge.</p> <p>[Subsection C of 20.6.2.3109 NMAC]</p>
8.	<p>The Permittee shall ensure adherence to the following general requirements for above-ground use of reclaimed domestic wastewater.</p> <p>a) The Permittee shall install and maintain signs in English and Spanish at all reuse areas such that they are visible and legible for the term of this Discharge Permit. The Permittee shall post signs at the entrance to reuse areas and at other locations where public exposure to reclaimed domestic wastewater may occur. The signs shall state: <b>NOTICE: THIS AREA IS IRRIGATED WITH RECLAIMED WASTEWATER - DO NOT DRINK. AVISO: ESTA ÁREA ESTÁ REGADA CON AGUAS NEGRAS RECOBRADAS - NO TOMAR.</b> The Permittee may submit alternate wording and/or graphics to NMED for approval.</p>

#	Terms and Conditions
	<p>b) Reclaimed domestic wastewater systems shall have no direct or indirect cross connections with public water systems or irrigation wells pursuant to the latest revision of the New Mexico Plumbing Code (14.8.2 NMAC) and New Mexico Mechanical Code (14.9.2 NMAC).</p> <p>c) Above-ground use of reclaimed domestic wastewater shall not result in excessive ponding of wastewater and shall not exceed the water consumptive needs of the crop. The Permittee shall not discharge reclaimed domestic wastewater at times when the reuse area is saturated or frozen.</p> <p>d) The Permittee shall confine discharge of reclaimed domestic wastewater to the reuse area.</p> <p>e) The Permittee shall not discharge reclaimed domestic wastewater to crops used for human consumption.</p> <p>f) Water supply wells within 200 feet of a reuse area shall have adequate wellhead construction pursuant to 19.27.4 NMAC.</p> <p>g) Existing and accessible portions of the reclaimed domestic wastewater distribution system (with the exception of application equipment such as sprinklers or pivots) shall be colored purple or clearly labeled as being part of a reclaimed domestic wastewater distribution system. Piping, valves, outlets, and other plumbing fixtures shall be purple pursuant to the latest revision of the New Mexico Plumbing Code (14.8.2 NMAC) and New Mexico Mechanical Code (14.9.2 NMAC) to differentiate piping or fixtures used to convey reclaimed wastewater from those intended for potable or other uses.</p> <p>h) Valves, outlets, and sprinkler heads used in reclaimed wastewater systems shall be accessible only to authorized personnel.</p> <p>The Permittee shall demonstrate adherence to these requirements by submitting documentation consisting of narrative statements and date-stamped photographs as appropriate. The Permittee shall submit the documentation to NMED once during the term of this Discharge Permit in the next required periodic monitoring report after the issuance of the Discharge Permit.</p> <p>[Subsections B and C of 20.6.2.3109 NMAC, NMSA 1-78, § 74-6-5.D]</p>
9.	<p>The Permittee shall meet the following setbacks, access restrictions and equipment requirements for spray irrigation using Class 1B reclaimed domestic wastewater.</p> <p>a) Maintain a minimum 100-foot setback between any dwellings or occupied establishments and the edge of the reuse area.</p> <p>b) Postpone irrigation using reclaimed domestic wastewater at times when windy conditions may result in drift of reclaimed wastewater outside the reuse area.</p>

#	Terms and Conditions
	<p>c) Apply reclaimed domestic wastewater at times and in a manner that minimizes public contact.</p> <p>d) Limit spray irrigation system to low trajectory spray nozzles.</p> <p>[Subsections B and C of 20.6.2.3109 NMAC, NMSA 1–78, § 74–5.D]</p>
10.	<p>The Permittee shall manage the flood and drip irrigation of Class 1B reclaimed domestic wastewater in a manner that minimizes public contact.</p> <p>[Subsections B and C of 20.6.2.3109 NMAC, NMSA 1–78, § 74-6-5.D]</p>
11.	<p>The Permittee shall institute a backflow prevention method to protect wells and public water supply systems from contamination by reclaimed domestic wastewater prior to discharging to the reuse area. Backflow prevention shall be achieved by a total disconnect (physical air gap separation between the discharge pipe and the liquid surface at least twice the diameter of the discharge pipe), or by a reduced pressure principal backflow prevention assembly (RP) installed on the line between the fresh water supply wells or public water supply and the reclaimed domestic wastewater delivery system. The Permittee shall maintain backflow prevention at all times.</p> <p>The Permittee shall have RP devices inspected and tested by a certified backflow prevention assembly tester at the time of installation, repair or relocation and at least on an annual basis thereafter. The backflow prevention assembly tester shall have successfully completed a 40-hour backflow prevention course based on the University of Southern California’s Backflow Prevention Standards and Test Procedures, and obtained certification demonstrating completion. The Permittee shall have all malfunctioning RP devices repaired or replaced within 30 days of discovery. The Permittee shall cease using supply lines associated with the RP device until repair or replacement is complete.</p> <p>The Permittee shall maintain copies of the inspection and maintenance records and test results for each RP device associated with the backflow prevention program at a location available for inspection by NMED.</p> <p>[Subsection C of 20.6.2.3109 NMAC]</p>
12.	<p>The Permittee shall maintain 18 to 24-inch berms around the flood irrigated fields/zones within the reuse area to prevent surface water run-on and run-off. The Permittee shall inspect the berms on a monthly basis and after any major precipitation event and repaired as necessary.</p>

#	Terms and Conditions
	<p>The Permittee shall keep a log of the inspections that includes a date of the inspection, any findings and repairs, and the name of the person responsible for the inspection. The Permittee shall make the log available to NMED upon request.</p> <p>[Subsection C of 20.6.2.3109 NMAC]</p>
13.	<p>The Permittee shall maintain fences around the Facility to restrict access by the general public and animals. The fences shall consist of a minimum of six-foot chain link or field fencing and locking gates. The Permittee shall maintain the fences to serve the stated purpose throughout the term of this Discharge Permit.</p> <p>[Subsections B and C of 20.6.2.3109 NMAC, NMSA 1978, § 74-6-5.D]</p>
14.	<p>The Permittee shall maintain the lid on the septic to restrict unauthorized access by the general public and animals throughout the term of this Discharge Permit.</p> <p>[Subsections B and C of 20.6.2.3109 NMAC, NMSA 1978, § 74-6-5.D]</p>
15.	<p>The Permittee shall maintain signs indicating that the wastewater at the Facility is not potable. The Permittee shall post signs at the Facility entrance and other areas where there is potential for public contact with wastewater. The Permittee shall print signs in English and Spanish and shall ensure the signs remain visible and legible for the term of this Discharge Permit.</p> <p>[Subsections B and C of 20.6.2.3109 NMAC, NMSA 1978, § 74-6-5.D]</p>
16.	<p>The Permittee shall visually inspect the area above the leachfield semi-annually to ensure proper maintenance. The Permittee shall correct any conditions that indicate damage to the disposal system. The Permittee shall ensure conditions corrected include erosion damage, animal activity/damage, woody shrubs, evidence of seepage, or any other condition indicating damage.</p> <p>The Permittee shall keep a log of the inspections that includes a date of the inspection, any findings and repairs, and the name of the inspector. The Permittee shall make the log available to NMED upon request.</p> <p>In the event of a failure of the disposal system, the Permittee shall implement the Contingency Plan set forth in this Discharge Permit.</p> <p>[Subsections A and D of 20.6.2.3107 NMAC, Subsection C of 20.6.2.3109 NMAC]</p>

#	Terms and Conditions
17.	<p>The Permittee shall inspect the septic tank semi-annually for the accumulation of scum and solids. In the event that the scum layer exceeds three inches or the settled solids occupy 30% or more of the tank volume, the contents of the tanks shall be pumped by a septage pumper meeting the qualification requirements identified in Subsection D of 20.7.3.904 NMAC, Liquid Waste Disposal and Treatment Regulations.</p> <p>The Permittee shall create and maintain a log of all septic tank inspections which describes the findings, repairs, and removals, the date of the inspection, and the name of the person responsible for the inspection. The Permittee shall make the log available to NMED upon request.</p> <p>The Permittee shall maintain a record of solids removal and disposal, including the name of the septage hauler, date of off-site shipment, volume of solids removed, disposal method, and disposal location.</p> <p>[Subsection A of 20.6.2.3107 NMAC, Subsection C of 20.6.2.3109 NMAC]</p>

**B. MONITORING AND REPORTING**

#	Terms and Conditions
18.	<p>The Permittee shall conduct the monitoring, reporting, and other requirements listed below in accordance with the monitoring requirements of this Discharge Permit.</p> <p>[Subsection A of 20.6.2.3107 NMAC, Subsection C of 20.6.2.3109 NMAC]</p>
19.	<p>METHODOLOGY – Unless otherwise specified by this Discharge Permit, or approved in writing by NMED, the Permittee shall use sampling and analytical techniques that conform with the references listed in Subsection B of 20.6.2.3107 NMAC.</p> <p>[Subsection B of 20.6.2.3107 NMAC]</p>

***Due Dates for Monitoring Reports***

#	Terms and Conditions
20.	<p>Semi-annual monitoring - The Permittee shall perform monitoring and other Permit required actions during the following periods and shall submit semi-annual reports to NMED by the following due dates:</p> <ul style="list-style-type: none"> <li>• January 1<sup>st</sup> through June 30<sup>th</sup> – due by August 1<sup>st</sup>; and</li> </ul>

#	Terms and Conditions
	<ul style="list-style-type: none"> <li>July 1<sup>st</sup> through December 31<sup>st</sup> – due by February 1<sup>st</sup>.</li> </ul> <p>[Subsection A of 20.6.2.3107 NMAC]</p>

**Facility Monitoring Conditions**

#	Terms and Conditions
21.	<p>The Permittee shall on a monthly basis measure the volume transferred from the City of Tucumcari WWTF and discharged to <i>each</i> reuse area using totalizing flow meters. The meters shall be located on the transfer line between the City of Tucumcari WWTF and the following locations:</p> <p>Meter 1 – Located at the west property line                      Meter 2 – located at the existing center pivot (Pivot #1)                      Meter 3 – located near the center pivot (Pivot #2)                      Meter 4 – located near the east property line</p> <p>The Permittee shall maintain a log that records the date that discharges occur to <i>each</i> field and the <b>monthly</b> totalizing meter readings and units of measurement. The Permittee shall use the log to calculate the total monthly volume of reclaimed domestic wastewater discharged to <i>each</i> field. The Permittee shall also use the <b>monthly</b> volume discharged to <i>each</i> location on the LADS (copy enclosed) to calculate nitrogen loading. The Permittee shall submit a copy of the log to NMED in the semiannual monitoring reports.</p> <p>[Subsection A of 20.6.2.3107 NMAC, Subsections C and H of 20.6.2.3109 NMAC]</p>
22.	<p>During times when the Permittee is discharging wastewater that has a total nitrogen content greater than 15 mg/L and less than 45 mg/L the Permittee shall measure the volume of high nitrogen wastewater transferred from the City of Tucumcari WWTF and discharged to <i>each</i> reuse area using totalizing flow meters. The meters shall be located on the transfer line between the City of Tucumcari WWTF and the following locations:</p> <p>Meter 1 – Located at the west property line                      Meter 2 – located at the existing center pivot (Pivot #1)                      Meter 3 – located near the center pivot (Pivot #2)                      Meter 4 – located near the east property line</p> <p>The Permittee shall maintain a separate log that records the high nitrogen wastewater application dates that discharges occur to <i>each</i> field and the monthly totalizing meter</p>

#	Terms and Conditions
	<p>readings and units of measurement. The Permittee shall use the log to calculate the total <b>weekly</b> volume of high nitrogen reclaimed domestic wastewater discharged to <i>each</i> field. The Permittee shall also use the <b>weekly</b> volume discharged to <i>each</i> location on the LADS (copy enclosed) to calculate nitrogen loading. The Permittee shall submit a copy of the log to NMED in the semiannual monitoring reports.</p> <p>[Subsection A of 20.6.2.3107 NMAC, Subsections C and H of 20.6.2.3109 NMAC]</p>
23.	<p>All flow meters shall be capable of having their accuracy verified under working (i.e., real-time in-the-field) conditions. The Permittee shall develop a field verification method for each flow meter and shall utilize that method to check the accuracy of each respective meter. The Permittee shall perform field calibrations, at a minimum, on an annual basis. The Permittee shall also perform field calibrations upon repair or replacement of a flow measurement device.</p> <p>The Permittee shall calibrate each flow meter to its manufacturer's recommended specification which shall be no less accurate than plus or minus 10 percent of actual flow, as measured under field conditions. An individual knowledgeable in flow measurement shall perform field calibration and the installation/operation of the device in use. The Permittee shall prepare a flow meter calibration report for each flow measurement device calibration event. The flow meter calibration report shall include the following information.</p> <ol style="list-style-type: none"> <li>a) The location and meter identification.</li> <li>b) The method of flow meter field calibration employed.</li> <li>c) The measured accuracy of each flow meter prior to adjustment indicating the positive or negative offset as a percentage of actual flow as determined by an in-field calibration check.</li> <li>d) The measured accuracy of each flow meter following adjustment, if necessary, indicating the positive or negative offset as a percentage of actual flow of the meter.</li> <li>e) Any flow meter repairs made during the previous year or during field calibration.</li> <li>f) The name of the individual performing the calibration and the date of the calibration.</li> </ol> <p>The Permittee shall maintain records of flow meter calibration(s) at a location accessible for review by NMED during Facility inspections.</p> <p>[Subsection A of 20.6.2.3107 NMAC, Subsections C and H of 20.6.2.3109 NMAC]</p>
24.	<p>The Permittee shall visually inspect flow meters on a monthly basis for evidence of malfunction. The Permittee shall maintain a log of the inspections that includes a date of</p>

#	Terms and Conditions
	<p>the inspection, findings and repairs, and the name of the inspector. The Permittee shall make the log available to NMED upon request.</p> <p>If a visual inspection indicates a flow meter is not functioning as required by this Discharge Permit, the Permittee shall repair or replace the meter within 30 days of discovery. For <i>repaired</i> meters, the Permittee shall submit a report to NMED with the next monitoring report following the repair that includes a description of the malfunction; a statement verifying the repair; and a flow meter field calibration report completed in accordance with the requirements of this Discharge Permit. For <i>replacement</i> meters, the Permittee shall submit a report to NMED with the next monitoring report following the replacement that includes a design schematic for the device and a flow meter field calibration report completed in accordance with the requirements of this Discharge Permit.</p> <p>[Subsection A of 20.6.2.3107 NMAC, Subsection C of 20.6.2.3109 NMAC]</p>
25.	<p>The Permittee shall collect samples of wastewater from septic tank on an annual basis and analyze the samples for:</p> <ul style="list-style-type: none"> <li>• TKN;</li> <li>• NO<sub>3</sub>-N;</li> <li>• TDS; and</li> <li>• Cl.</li> </ul> <p>The Permittee shall ensure the samples are properly prepared, preserved, transported, and analyzed in accordance with the methods authorized in this Discharge Permit. The Permittee shall submit the laboratory analytical data results, including the QA/QC summary and Chain of Custody, to NMED in the subsequent semi-annual monitoring report.</p> <p>[Subsection A of 20.6.2.3107 NMAC, Subsections C and H of 20.6.2.3109 NMAC]</p>
26.	<p>The Permittee shall complete LADS (copy enclosed) on a monthly basis that document the amount of nitrogen applied to the reuse area during the most recent 12 months. The LADS shall reflect the total nitrogen concentration from the most recent wastewater analysis and the measured discharge volumes to the reuse area for each month. The Permittee shall also report on the LADS the amount of nitrogen (fertilizer, wastewater, etc.) applied, crops grown along with planting and harvest dates, crop yield (tons per acre) and nitrogen concentration of the harvested crop specific to the crops grown. The Permittee shall complete the LADS with the information above or include a statement that application of wastewater did not occur. The Permittee shall submit the LADS to NMED in the subsequent semi-annual monitoring report.</p>



#	Terms and Conditions
	[Subsection A of 20.6.2.3107 NMAC, Subsection C of 20.6.2.3109 NMAC]
27.	<p data-bbox="289 457 1432 684">During times when the Permittee is discharging wastewater that has a total nitrogen content greater than 15 mg/L and less than 45 mg/L the Permittee shall take one soil sample per acre of irrigated land at one-foot intervals up to a maximum depth of five feet prior to land application of the reclaimed domestic wastewater and on a monthly basis until the boot stage of the grasses being grown and analyzed for percent moisture, TKN, nitrate, TDS, and Chloride.</p> <p data-bbox="289 730 1432 842">Following the boot stage of the grasses being grown, the Permittee shall continue sampling the soil as indicated previously and also take plant samples and analyze the plant samples for dry matter yield, TKN, and nitrate.</p> <p data-bbox="289 888 1432 1073">The Permittee shall ensure the samples are properly prepared, preserved, transported, and analyzed in accordance with the methods authorized in this Discharge Permit. The Permittee shall submit the laboratory analytical data results, including the QA/QC summary and Chain of Custody, to NMED in the subsequent semi-annual monitoring report.</p> <p data-bbox="289 1119 1325 1150">[Subsection A of 20.6.2.3107 NMAC, Subsections C and H of 20.6.2.3109 NMAC]</p>
28.	<p data-bbox="289 1176 1432 1249">The Permittee shall submit all septic tank pumping records of solids removal and disposal to NMED in the semi-annual monitoring reports due by August 1<sup>st</sup> each year.</p> <p data-bbox="289 1295 764 1327">[Subsection A of 20.6.2.3107 NMAC]</p>

**C. CONTINGENCY PLAN**

#	Terms and Conditions
29.	<p data-bbox="289 1528 1432 1755">In the event that groundwater exceeds a groundwater protection standard identified in Section 20.6.2.3103 NMAC as a result of this discharge during the term of this Discharge Permit, upon closure of the Facility or during the implementation of post-closure requirements, the Permittee shall submit to NMED a Corrective Action Plan (CAP) that proposes, at a minimum, contaminant source control measures and an implementation schedule. The Permittee shall implement the CAP as approved by NMED.</p> <p data-bbox="289 1801 1432 1875">The NMED may require the Permittee to abate water pollution consistent with the requirements and provisions of Section 20.6.2.4101, Section 20.6.2.4103, Subsections C</p>

#	Terms and Conditions
	<p>and E of 20.6.2.4106, Section 20.6.2.4107, Section 20.6.2.4108 and Section 20.6.2.4112 NMAC.</p> <p>[Subsection A of 20.6.2.3107 NMAC, Subsection E of 20.6.2.3109 NMAC]</p>
30.	<p>In the event that the LADS (copy enclosed) show that the amount of nitrogen in wastewater and additional fertilizer applied in any 12-month period exceeds by more than 25% the amount reasonably expected to be taken up by the crop(s) and removed by harvesting, the Permittee shall propose the reduction of nitrogen loading to the reuse area by submitting a Corrective Action Plan (CAP) to NMED for approval. The Permittee shall ensure the CAP includes a schedule for completion of corrective actions and submit the CAP within 90 days following the end of the monitoring period in which the exceedance occurred. The Permittee shall implement the CAP following approval by NMED.</p> <p>[Subsection A of 20.6.2.3107 NMAC, Subsection C of 20.6.2.3109 NMAC]</p>
31.	<p>In the event that the Permittee identifies failure of subsurface irrigation system or the leachfield, such as surfacing wastewater, the Permittee shall implement the following Contingency Plan.</p> <ul style="list-style-type: none"> <li>a) Within 24 hours following the discovered failure, the Permittee shall: <ul style="list-style-type: none"> <li>i) Notify NMED of the failure in accordance with the notification requirements described in the Contingency Plan for unauthorized discharges; and</li> <li>ii) Restrict public access to the area.</li> </ul> </li> <li>b) The Permittee shall conduct a physical inspection of the treatment and disposal system to identify additional potential failures and record them in the inspection log.</li> <li>c) The Permittee shall propose actions to address the failure and methods of correction by submitting a Corrective Action Plan (CAP) to NMED for approval within 15 days following the discovered failure. The Permittee shall ensure the CAP includes a schedule for completion of corrective actions. The Permittee shall initiate implementation of the CAP following NMED approval.</li> </ul> <p>[Subsection A of 20.6.2.3107 NMAC, Subsection C of 20.6.2.3109 NMAC]</p>
32.	<p>In the event that a release occurs that is not authorized under this Discharge Permit (commonly known as a “spill”), the Permittee shall take measures to mitigate damage from the unauthorized discharge and initiate the notifications and corrective actions required in Section 20.6.2.1203 NMAC and summarized below. A release is defined as such quantity as may with reasonable probability injure or be detrimental to human health, animal or plant life, or property, or unreasonably interfere with the public welfare or the use of property.</p>

#	Terms and Conditions
	<p>Within 24 hours following discovery of the unauthorized discharge, the Permittee shall verbally notify NMED and provide the following information.</p> <ul style="list-style-type: none"><li>a) The name, address, and telephone number of the person or persons in charge of the Facility, as well as of the owner and/or operator of the Facility.</li><li>b) The name and address of the Facility.</li><li>c) The date, time, location, and duration of the unauthorized discharge.</li><li>d) The source and cause of unauthorized discharge.</li><li>e) A description of the unauthorized discharge, including its estimated chemical composition.</li><li>f) The estimated volume of the unauthorized discharge.</li><li>g) Any actions taken to mitigate immediate damage from the unauthorized discharge.</li></ul> <p>Within one week following discovery of the unauthorized discharge, the Permittee shall submit written notification to NMED providing the information listed above and any pertinent updates.</p> <p>Within 15 days following discovery of the unauthorized discharge, the Permittee shall submit a Corrective Action Plan (CAP) to NMED describing any corrective actions previously taken and corrective actions to be taken relative to the unauthorized discharge. The CAP shall include the following information.</p> <ul style="list-style-type: none"><li>a) A description of proposed actions to mitigate damage from the unauthorized discharge.</li><li>b) A description of proposed actions to prevent future unauthorized discharges of this nature.</li><li>c) A schedule for completion of proposed actions.</li></ul> <p>In the event that the unauthorized discharge causes or may with reasonable probability cause water pollution in excess of the standards and requirements of Section 20.6.2.4103 NMAC, and the water pollution will not be abated within 180 days after notice is required to be given pursuant to Paragraph (1) of Subsection A of 20.6.2.1203 NMAC, NMED may require the Permittee to abate water pollution pursuant to Sections 20.6.2.4000 through 20.6.2.4115 NMAC.</p> <p>The Permittee shall not construe anything in this condition as relieving them of the obligation to comply with all requirements of Section 20.6.2.1203 NMAC.</p> <p>[20.6.2.1203 NMAC]</p>

#	Terms and Conditions
33.	<p>In the event that NMED or the Permittee identifies any failures of the discharge plan, i.e., the application, or this Discharge Permit not specifically noted herein, NMED may require the Permittee to submit a CAP and a schedule for completion of corrective actions to address the failure(s). Additionally, NMED may require a discharge permit modification to achieve compliance with 20.6.2 NMAC.</p> <p>[Subsection A of 20.6.2.3107 NMAC, Subsection E of 20.6.2.3109 NMAC]</p>

**D. CLOSURE PLAN**

***Permanent Facility Closure Conditions***

#	Terms and Conditions
34.	<p>In the event that the transfer of reclaimed wastewater to the Facility, or a section of the Facility, is proposed to permanently cease, upon ceasing discharge, the permittee shall perform the following closure measures:</p> <p>Within 180 days of ceasing discharge, the permittee shall:</p> <p>Plug and/or remove the line leading to the closed section so that a transfer/discharge of reclaimed wastewater can no longer occur.</p> <p>In the event that distribution piping or irrigation systems will be used with other source waters or for other purposes, the permittee shall consult with NMED regarding appropriate disinfection measure to be taken prior to the subsequent use.</p> <p>When the Permittee has met all closure and post-closure requirements and verified appropriate actions with date stamped photographic evidence or an associated NMED inspection, the Permittee may submit to NMED a written request, including photographic evidence, for termination of the Discharge Permit.</p> <p>[Subsection A of 20.6.2.3107 NMAC, Subsection D of 20.6.2.4103 NMAC, 40 CFR Part 503]</p>
35.	<p>The Permittee shall perform the following closure measures in the event the Facility, or a component of the Facility, is proposed to be permanently closed, and upon ceasing discharge.</p> <p>Within <u>90 days</u> of ceasing discharge to the septic tank leachfield system(s) (or closed system components), the Permittee shall complete the following closure measures:</p>

#	Terms and Conditions
	<p>a) Plug all lines leading to and from the closed system(s) so that a discharge can no longer occur.</p> <p>b) Wastewater, septage, and grease interceptor waste shall be pumped from the system components (e.g., septic tanks, grease trap/interceptors, lift stations, dosing chambers, distribution boxes) and it shall be contained, transported, and disposed of in accordance with all local, state, and federal regulations, including 40 CFR Part 503. The Permittee shall maintain a record of all wastes transported for off-site disposal.</p> <p>Within <u>180 days</u> of ceasing discharge to the septic tank leachfield system(s) (or closed system components), the Permittee shall complete the following closure measures:</p> <p>a) Remove all lines leading to and from the closed system(s) or permanently plug them and abandon them in place.</p> <p>b) Remove or demolish all closed septic tanks, grease trap/interceptors, lift stations, dosing chambers, distribution boxes or other system(s) components (with the exception of leachfields) and re-grade the area with suitable fill to blend with surface topography to promote positive drainage and prevent ponding.</p> <p>The Permittee shall continue groundwater monitoring until the Permittee meets the requirements of this condition and groundwater monitoring confirms for a minimum of eight consecutive quarterly groundwater sampling events that groundwater does not exceed the standards of Section 20.6.2.3103 NMAC. This period is referred to as “post-closure.”</p> <p>If at any time monitoring results show an exceedance of a groundwater quality standard in Section 20.6.2.3103 NMAC or the total nitrogen concentration is greater than 10 mg/L in groundwater, the Permittee shall implement the Contingency Plan required by this Discharge Permit.</p> <p>Following notification from NMED that the Permittee may cease post-closure monitoring, the Permittee shall plug and abandon the monitoring well(s) in accordance with the attached Monitoring Well Guidance.</p> <p>When the Permittee has met all closure and post-closure requirements and verified appropriate actions with date stamped photographic evidence or an associated NMED inspection, the Permittee may submit to NMED a written request, including photographic evidence, for termination of the Discharge Permit.</p> <p>[Subsection A of 20.6.2.3107 NMAC, 40 CFR Part 503</p>

**E. GENERAL TERMS AND CONDITIONS**

#	Terms and Conditions
36.	<p>RECORD KEEPING - The Permittee shall maintain a written record of the following:</p> <ul style="list-style-type: none"> <li>• Information and data used to complete the application for this Discharge Permit;</li> <li>• Information, data, and documents demonstrating completion of closure activities;</li> <li>• Any releases (commonly known as “spills”) not authorized under this Discharge Permit and reports submitted pursuant to 20.6.2.1203 NMAC;</li> <li>• The operation, maintenance, and repair of all facilities/equipment used to treat, store or dispose of wastewater;</li> <li>• Facility record drawings (plans and specifications) showing the actual construction of the Facility and bear the seal and signature of a licensed New Mexico professional engineer;</li> <li>• Copies of logs, inspection reports, and monitoring reports completed and/or submitted to NMED pursuant to this Discharge Permit;</li> <li>• The volume of wastewater or other wastes discharged pursuant to this Discharge Permit;</li> <li>• Groundwater quality and wastewater quality data collected pursuant to this Discharge Permit;</li> <li>• Copies of construction records (well log) for all sampled groundwater monitoring wells pursuant to this Discharge Permit;</li> <li>• The maintenance, repair, replacement or calibration of any monitoring equipment or flow measurement devices required by this Discharge Permit; and</li> <li>• Data and information related to field measurements, sampling, and analysis conducted pursuant to this Discharge Permit, including:             <ul style="list-style-type: none"> <li>○ the dates, location and times of sampling or field measurements;</li> <li>○ the name and job title of the individuals who performed each sample collection or field measurement;</li> <li>○ the sample analysis date of each sample</li> <li>○ the name and address of the laboratory, and the name of the signatory authority for the laboratory analysis;</li> <li>○ the analytical technique or method used to analyze each sample or collect each field measurement;</li> <li>○ the results of each analysis or field measurement, including raw data;</li> <li>○ the results of any split, spiked, duplicate or repeat sample; and</li> <li>○ a copy of the laboratory analysis chain-of-custody as well as a description of the quality assurance and quality control procedures used.</li> </ul> </li> </ul>

#	Terms and Conditions
	<p>The Permittee shall maintain the written record at a location accessible to NMED during a Facility inspection for the lifetime of the Discharge Permit. The Permittee shall make the record available to the department upon request.</p> <p>[Subsections A and D of 20.6.2.3107 NMAC]</p>
37.	<p>SUBMITTALS – The Permittee shall submit both a paper copy and an electronic copy of all notification and reporting documents required by this Discharge Permit, e.g., monitoring reports. The Permittee shall submit paper and electronic documents to the NMED Permit Contact identified on the Permit cover page.</p> <p>[Subsection A of 20.6.2.3107 NMAC]</p>
38.	<p>INSPECTION and ENTRY – The Permittee shall allow NMED to inspect the Facility and its operations that are subject to this Discharge Permit and the WQCC regulations. NMED may upon presentation of proper credentials, enter at reasonable times upon or through any premises in which a water contaminant source is located or in which any maintained records required by this Discharge Permit, the regulations of the federal government, or the WQCC are located.</p> <p>The Permittee shall allow NMED to have access to and reproduce for their use any copy of the records, and to perform assessments, sampling or monitoring during an inspection for the purpose of evaluating compliance with this Discharge Permit and the WQCC regulations.</p> <p>No person shall construe anything in this Discharge Permit as limiting in any way the inspection and entry authority of NMED under the WQA, the WQCC Regulations, or any other local, state or federal regulations.</p> <p>[Subsection D of 20.6.2.3107 NMAC, NMSA 1978, §§ 74-6-9.B and 74-6-9.E]</p>
39.	<p>DUTY to PROVIDE INFORMATION - The Permittee shall, upon NMED’s request, allow for NMED’s inspection/duplication of records required by this Discharge Permit and/or furnish to NMED copies of such records.</p> <p>[Subsection D of 20.6.2.3107 NMAC]</p>
40.	<p>MODIFICATIONS and/or AMENDMENTS – In the event the Permittee proposes a change to the Facility or the Facility’s discharge that would result in a change in the volume discharged; the location of the discharge; or in the amount or character of water contaminants received, treated or discharged by the Facility, the Permittee shall notify</p>

#	Terms and Conditions
	<p>NMED prior to implementing such changes. The Permittee shall obtain NMED’s approval (which may require modification of this Discharge Permit) prior to implementing such changes.</p> <p>[Subsection C of 20.6.2.3107 NMAC, Subsections E and G of 20.6.2.3109 NMAC]</p>
41.	<p>PLANS and SPECIFICATIONS – In the event the Permittee proposes to construct a wastewater system or change a process unit of an existing system such that the quantity or quality of the discharge will change substantially from that authorized by this Discharge Permit, the Permittee shall submit construction plans and specifications of the proposed system or process unit to NMED for approval prior to the commencement of construction.</p> <p>In the event the Permittee implements changes to the wastewater system authorized by this Discharge Permit that result in only a minor effect on the character of the discharge, the Permittee shall report such changes (including the submission of record drawings where applicable) to NMED prior to implementation.</p> <p>[Subsections A and C of 20.6.2.1202 NMAC, NMSA 1978, §§ 61-23-1 through 61-23-32]</p>
42.	<p>CIVIL PENALTIES - Any violation of the requirements and conditions of this Discharge Permit, including any failure to allow NMED staff to enter and inspect records or facilities, or any refusal or failure to provide NMED with records or information, may subject the Permittee to a civil enforcement action. Pursuant to WQA 74-6-10(A) and (B), such action may include a compliance order requiring compliance immediately or in a specified time, assessing a civil penalty, modifying or terminating the Discharge Permit, or any combination of the foregoing; or an action in district court seeking injunctive relief, civil penalties, or both. Pursuant to WQA 74-6-10(C) and 74-6-10.1, civil penalties of up to \$15,000 per day of noncompliance may be assessed for each violation of the WQA 74-6-5, the WQCC Regulations, or this Discharge Permit, and civil penalties of up to \$10,000 per day of noncompliance may be assessed for each violation of any other provision of the WQA, or any regulation, standard, or order adopted pursuant to such other provision. In any action to enforce this Discharge Permit, the Permittee waives any objection to the admissibility as evidence of any data generated pursuant to this Discharge Permit.</p> <p>[20.6.2.1220 NMAC, NMSA 1978, §§ 74-6-10 and 74-6-10.1]</p>
43.	<p>CRIMINAL PENALTIES – No person shall:</p> <ul style="list-style-type: none"> <li>• Make any false material statement, representation, certification or omission of material fact in an application, record, report, plan or other document filed, submitted or maintained under the WQA;</li> </ul>



#	Terms and Conditions
	<ul style="list-style-type: none"> <li>• Falsify, tamper with or render inaccurate any monitoring device, method or record maintained under the WQA; or</li> <li>• Fail to monitor, sample or report as required by a permit issued pursuant to a state or federal law or regulation.</li> </ul> <p>Any person who knowingly violates or knowingly causes or allows another person to violate the requirements of this condition is guilty of a fourth-degree felony and shall be sentenced in accordance with the provisions of NMSA 1978, § 31-18-15. Any person who is convicted of a second or subsequent violation of the requirements of this condition is guilty of a third-degree felony and shall be sentenced in accordance with the provisions of NMSA 1978, § 31-18-15. Any person who knowingly violates the requirements of this condition or knowingly causes another person to violate the requirements of this condition and thereby causes a substantial adverse environmental impact is guilty of a third-degree felony and shall be sentenced in accordance with the provisions of NMSA 1978, § 31-18-15. Any person who knowingly violates the requirements of this condition and knows at the time of the violation that he is creating a substantial danger of death or serious bodily injury to any other person is guilty of a second degree felony and shall be sentenced in accordance with the provisions of NMSA 1978, § 31-18-15.</p> <p>[20.6.2.1220 NMAC, NMSA 1978, §§ 74-6-10.2.A through 74-6-10.2.F]</p>
44.	<p>COMPLIANCE with OTHER LAWS - Nothing in this Discharge Permit shall be construed in any way as relieving the Permittee of the obligation to comply with any other applicable federal, state, and/or local laws, regulations, zoning requirements, nuisance ordinances, permits or orders.</p> <p>[NMSA 1978, § 74-6-5.L]</p>
45.	<p>RIGHT to APPEAL - The Permittee may file a petition for review before the WQCC on this Discharge Permit. Such petition shall be in writing to the WQCC within thirty days of the receipt of postal notice of this Discharge Permit and shall include a statement of the issues raised and the relief sought. Unless the Permittee files a timely petition for review, the decision of NMED shall be final and not subject to judicial review.</p> <p>[20.6.2.3112 NMAC, NMSA 1978, § 74-6-5.O]</p>
46.	<p>TRANSFER of DISCHARGE PERMIT - Prior to the transfer of any ownership, control, or possession of this Facility or any portion thereof, the Permittee shall:</p> <ul style="list-style-type: none"> <li>• Notify the proposed transferee in writing of the existence of this Discharge Permit;</li> </ul>

#	Terms and Conditions
	<ul style="list-style-type: none"><li>• Include a copy of this Discharge Permit with the notice; and</li><li>• Deliver or send by certified mail to NMED a copy of the notification and proof that the proposed transferee has received such notification.</li></ul> <p>The Permittee shall continue to be responsible for any discharge from the Facility, until both ownership and possession of the Facility have been transferred to the transferee.</p> <p>[20.6.2.3111 NMAC]</p>
47.	<p>PERMIT FEES – The Permittee shall be aware that the payment of permit fees is due at the time of Discharge Permit approval. The Permittee may pay the permit fees in a single payment or they may pay the fee in equal installments on a yearly basis over the term of the Discharge Permit. The Permittee shall remit single payments to NMED no later than 30 days after the Discharge Permit issuance date. The Permittee shall remit initial installment payments to NMED no later than 30 days after the Discharge Permit issuance date; with subsequent installment payments remitted to NMED no later than the anniversary of the Discharge Permit issuance date.</p> <p>Permit fees are associated with <u>issuance</u> of this Discharge Permit. No person shall construe anything in this Discharge Permit as relieving the Permittee of the obligation to pay all permit fees assessed by NMED. A Permittee that ceases discharging or does not commence discharging from the Facility during the term of the Discharge Permit shall pay all permit fees assessed by NMED. NMED shall suspend or terminate an approved Discharge Permit if the Permittee fails to remit an installment payment by its due date.</p> <p>[Subsection F of 20.6.2.3114 NMAC, NMSA 1978, § 74-6-5.K]</p>



## New Mexico Environment Department Ground Water Quality Bureau Discharge Permit Summary

### Facility Information

**Facility Name** NMSU Agricultural Science Center at Tucumcari  
**Discharge Permit Number** DP-1769  
**Legally Responsible Party** New Mexico State University  
 P.O. Box 30001 MSC 3545  
 Las Cruces, New Mexico 88003-3545

### Treatment, Disposal and Site Information

**Primary Waste Type** Reclaimed Wastewater  
**Secondary Waste Type** Domestic Wastewater  
**Facility Type** Agricultural Research Facility

#### Treatment Methods

Type	Designation	Description & Comments
Septic Tank	Septic System	Septic Tank system that serves the facility buildings. Q = 465 gpd Tank size = 1,500 gallon Construction = concrete

#### Discharge Locations

Type	Designation	Description & Comments
Reuse Area	NMSU-ASC	464 acre agricultural research facility using reclaimed wastewater received from the City of Tucumcari for flood, drip and spray irrigation of research crops, landscape areas and other irrigation settings.
Leachfield	Septic System Leachfield	Gravity leachfield serving the septic system for the facility buildings. Size and construction unknown

#### Flow Metering Locations

Type	Designation	Description & Comments
Totalizing Flow Meter	Re-use Meter 1	Totalizing flow meter installed along west property line
Totalizing Flow Meter	Re-use Meter 2	Totalizing flow meter installed on Pivot #1
Totalizing Flow Meter	Re-use Meter 3	Totalizing flow meter installed on Pivot #2
Totalizing Flow Meter	Re-use Meter 4	Totalizing flow meter installed along east property line

**Depth-to-Ground Water** 16 feet  
**Total Dissolved Solids (TDS)** 490 mg/L

### Permit Information

<b>Original Permit Issued</b>	April 6, 2012
<b>Permit Renewal</b>	June 19, 2017
<b>Current Action</b>	<b>Renewal and Modification</b>
Application Received	February 28, 2022
Public Notice Published	DATE
Permit Issued (Issuance Date)	DATE
Permitted Discharge Volume	720,000 gallons per day



## New Mexico Environment Department Ground Water Quality Bureau Discharge Permit Summary

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### NMED Contact Information

<b>Mailing Address</b>	Ground Water Quality Bureau P.O. Box 5469 Santa Fe, New Mexico 87502-5469
<b>GWQB Telephone Number</b>	(505) 827-2900
<b>NMED Lead Staff</b>	Kathleen Murphy
<b>Lead Staff Telephone Number</b>	(505) 660-7567
<b>Lead Staff Email</b>	Kathleen.murphy@env.nm.gov



DP#: \_\_\_\_\_

FACILITY NAME: \_\_\_\_\_

FIELD: \_\_\_\_\_

ACRES: \_\_\_\_\_

REPORT PERIOD - FROM: \_\_\_\_\_

TO: \_\_\_\_\_

CROP 1: \_\_\_\_\_

YIELD: \_\_\_\_\_

CROP 2: \_\_\_\_\_

YIELD: \_\_\_\_\_

TOTAL NITROGEN UPTAKE OF CROP(S): \_\_\_\_\_ lbs/ac

CROP 3: \_\_\_\_\_

YIELD: \_\_\_\_\_

### Effluent

DATE/MONTH OF APPLICATION	CROP IN AT TIME OF APPLICATION	A VOLUME OF EFFLUENT APPLIED <sup>1</sup> gal	B LAB RESULTS <sup>2</sup> (TKN + NO <sub>3</sub> -N) mg/l	C NITROGEN CONCENTRATION (B x 8.3452 x 10 <sup>-6</sup> ) lbs/gal	D TOTAL NITROGEN (A x C) lbs N	E NITROGEN (D/acres) lbs N/acre	APPLICATION METHOD Flood, Sprinkler, etc.
January							
February							
March							
April							
May							
June							
July							
August							
September							
October							
November							
December							

Total Nitrogen Applied from Effluent (lbs/ac)

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