APPENDIX I-1

Groundwater Sample Chain-of-Custody Forms

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

ROLE: Drinking Water Sampling DATE: 4/6/21

WEATHER: Sonny

1. ONSITE PERSONNEL (including subcontractors and government employees)	
Name	Organization
B. Bockisch	EA - Site Manager/Supervisor
P. Ferrari	EA - Site Health and Safetly Office
G. Bracht	EA-Sample team
S. Miles	EA-Sample team

2. OPERATING EQUIPMENT

YSI Professional Plus 18L100378 Wh0003 ☐	YSI Professional Plus 15K101396 Wh0001 ☐	YSI Professional Plus 15L100541 Wh0002 ☐
MiniRAE 3000 592-915778 Wh0005 ☐	MiniRAE 3000 592-915790 Wh0004 ☐	MiniRAE 3000 592-915579 Wh0006 ☐
Hach 2100Q 15100C045025 Wh0007 ☐	Hach 2100Q 15100C044633 Wh0009 ☑	Geotech Turbidity Meter 18081855 ☐
Solinst Water Level Meter 350333 WH0567 (750 ft) ☐	Solinst Water Level Meter 253053 WH0012 ☐	Geotech Water Level Meter 0001 WH0570 ☐
Solinst Water Level Meter 350334 WH0566 ☐	Solinst Water Level Meter 253056 WH0571 ☐	YSI Rental ☑

3. DAILY SUMMARY (include QC samples collected, deviations from planning documents, converstations with the the public and governmental employees, and problems encountered and remedies applied)

1028	MS/MSD at KAFB-003

4. WORK PERFORMED (Indicate location, time, and description of work performed by prime and/or subcontractors)

0909	Arrive at well KAFB-016
0920	Sample Well KAFB-016
0940	Arrive at well KAFB-015
0955	Sample well KAFB-015

Reviewed by: D. Schmelz Reviewed date: 4-6-2021

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

DATE: 4/6/21

4. WORK PERFORMED (Continued)	
1020	Arrive at KAFB-003
1028	Sample well KAFB-003
1103	Leave KAFB-003
1132	Arrive at KAFB-VA-2
1200	Sample well KAFB-VA-2
1230	Arrive at trailer for shipping and end of day.

GB

5. CONTRACTOR'S VERIFICATION: I certify that to the best of my knowledge the above report is complete and correct. All equipment used, and work performed during this reporting period is in compliance with the contract plans and specifications noted above.

GINNY BRACHT
Name

Signature

EA Engineering, Science and Technology Inc., PBC

DQCR Page 2 of 2

Reviewed by:

Reviewed date: 4-6-2021

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

ROLE: Drinking Water Sampling DATE: 5/4/21

WEATHER: Partly cloudy

1. ONSITE PERSONNEL (including subcontractors and government employees)	
Name	Organization
B. Bartisch	EA - Site Manager/Supervisor
P. Fenwin	EA - Site Health and Safetly Office
G. Bracht	EA sample team
A. Shafer	EA sample team
GB 5/4/21	

2. ~~OPERATING~~ EQUIPMENT

YSI Professional Plus 18L100378 Wh0003 ☒	YSI Professional Plus 15K101396 Wh0001 ☐	YSI Professional Plus 15L100541 Wh0002 ☐
MiniRAE 3000 592-915778 Wh0005 ☐	MiniRAE 3000 592-915790 Wh0004 ☐	MiniRAE 3000 592-915579 Wh0006 ☐
Hach 2100Q 15100C045025 Wh0007 ☒	Hach 2100Q 15100C044633 Wh0009 ☐	Geotech Turbidity Meter 18081855 ☐
Solinst Water Level Meter 350333 WH0567 (750 ft) ☐	Solinst Water Level Meter 253053 WH0012 ☐	Geotech Water Level Meter 0001 WH0570 ☐
Solinst Water Level Meter 350334 WH0566 ☐	Solinst Water Level Meter 253056 WH0571 ☐	☐

3. DAILY SUMMARY (include QC samples collected, deviations from planning documents, converstations with the the public and governmental employees, and problems encountered and remedies applied)

1101	FD collected at VA-2
GB 5/4/21	

4. WORK PERFORMED (Indicate location, time, and description of work performed by prime and/or subcontractors)

0910	Arrive at KAFB-015
0913	sampled at KAFB-015
0948	Arrive at KAFB-003
0952	sampled at KAFB-003

DQCR Page 1 of 2

Reviewed by: DS Reviewed date: 5-5-21

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

DATE: 05-04-21

4. WORK PERFORMED (Continued)

1029	arrived at VA-2
1101	Sampled at VA-2
1130	Return to field trailer for shipping and end of day.

5/4/21

5. CONTRACTOR'S VERIFICATION: I certify that to the best of my knowledge the above report is complete and correct. All equipment used, and work performed during this reporting period is in compliance with the contract plans and specifications noted above.

Ginny Bracht
Name

Signature

EA Engineering, Science and Technology Inc., PBC

DQCR Page 2 of 2

Reviewed by: DS

Reviewed date: 5-5-21

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

ROLE: Drinking Water Sampling DATE: 6/1/21

WEATHER: Sunny, warm

1. ONSITE PERSONNEL (including subcontractors and government employees)	
Name	Organization
B. Bartisch	EA - Site Manager/Supervisor
P. Ferrari	EA - Site Health and Safetly Office
G. Bracht	EA - Sample team
S. Lavicella	EA - Sample team

2. OPERATING EQUIPMENT

YSI Professional Plus 18L100378 Wh0003 ☑	YSI Professional Plus 15K101396 Wh0001 ☐	YSI Professional Plus 15L100541 Wh0002 ☐
MiniRAE 3000 592-915778 Wh0005 ☐	MiniRAE 3000 592-915790 Wh0004 ☐	MiniRAE 3000 592-915579 Wh0006 ☐
Hach 2100Q 15100C045025 Wh0007 ☑	Hach 2100Q 15100C044633 Wh0009 ☐	Geotech Turbidity Meter 18081855 ☐
Solinst Water Level Meter 350333 WH0567 (750 ft) ☐	Solinst Water Level Meter 253053 WH0012 ☐	Geotech Water Level Meter 0001 WH0570 ☐
Solinst Water Level Meter 350334 WH0566 ☐	Solinst Water Level Meter 253056 WH0571 ☐	☐

3. DAILY SUMMARY (include QC samples collected, deviations from planning documents, converstations with the the public and governmental employees, and problems encountered and remedies applied)

Note: KAFB-016 is down for repairs; not sampled.

4. WORK PERFORMED (Indicate location, time, and description of work performed by prime and/or subcontractors)

0906	Arrive at KAFB-015
0912	Sample KAFB-015
0925	leave KAFB-015 for KAFB-~~016~~ SC 003
0935 ~~0940~~ SC	~~Sam~~ SC Arrive at KAFB-~~016~~ SC 003

Reviewed by: [signature] Reviewed date: 06/04/21

DQCR Page 1 of 2

Kirtland AFB Bulk Fuels Facility GWM & IRM - 6360401
Daily Quality Control Report – Non-Construction

DATE: 06-01-21

4. WORK PERFORMED (Continued)

0940	sampled KAFB-106003
0950	leave KAFB-106003 for ~~KAFB-106VA2~~ VA2
1006	Arrive at VA2
1030	Sampled VA2
1041	leave VA2
1053	Arrive at field trailer for shipping and end of day.

5. CONTRACTOR'S VERIFICATION: I certify that to the best of my knowledge the above report is complete and correct. All equipment used, and work performed during this reporting period is in compliance with the contract plans and specifications noted above.

GINNY BRACHT
Name

Signature

EA Engineering, Science and Technology Inc., PBC

Reviewed by:

DQCR Page 2 of 2

Reviewed date: 06/04/21

APPENDIX I-2

Drinking Water Sample Collection Logs and Chain-of-Custody Forms

Drinking Water Supply Sampling Log

Year: 2021
Quarter: 2 - April

Project: Kirtland AFB BFF ST-106/SS-111
Well ID: KAFB-003

Purge Information and Field Parameter

Date: 4-6-2021

Sample Team: GB + SM
Sample Team Signature

Purge Start Time: 0800

Time	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
1028	0.21	20.4	42.2	3.60	401.0	7.92	209.2

Sample Time: 1028
Sample Date: 4-6-2021

Bubbles in the vials?: ☐ Yes ☒ No Where? — Amount — Size — 6mm

Sampled by: GB

Sample ID:	GWK003-2121	Duplicate Sample ID (if applicable):	GWK003-6121
COC:	COC-K003-2121		

Contact Information

For wells KAFB-003, KAFB-015, and KAFB-016: Call Mark Dalzell at 505-228-8595

For well ST106-VA-2: Call Tim Melody 505-991-3876

Comments:

Reviewed by:
Date: 4-6-2021

Drinking Water Supply Sampling Log

Year: 2021
Quarter: 2 - April

Project: Kirtland AFB BFF ST-106/SS-111
Well ID: ST106-VA-2

Purge Information and Field Parameter

Date: 4 - 6 - 2021

Sample Team: GB + SM
Sample Team Signature

Purge Start Time: 1136

Time	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
12:00	0.12	22.3	14.0	1.04	421.7	7.84	244.6

Sample Time: 1200
Sample Date: 4-6-2021

Bubbles in the vials?: ☐ Yes ☒ No Where? — Amount — Size —

6mm

Sampled by: GB

Sample ID:	GWVA2-2121	Duplicate Sample ID (if applicable):	GWVA2-6121
COC:	COC-VA2-2121		

Contact Information

For wells KAFB-003, KAFB-015, and KAFB-016: Call Mark Dalzell at 505-228-8595

For well ST106-VA-2: Call Tim Melody 505-991-3876

Comments:

Reviewed by:

Date: 4-6-2021

Drinking Water Supply Sampling Log

Year: 2021
Quarter: 2 - April

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: KAFB-016

Purge Information and Field Parameter

Date: 4 - 6 - 2021

Sample Team: GB and [illegible] Sample Team Signature

Purge Start Time: 0815

Time	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
0920	0.56	23.1	6.4	0.54	525	7.80	234.1

Sample Time: 0920 Sample Date: 4 - 6 - 2021

Bubbles in the vials?: ☐ Yes ☒ No Where? — Amount — Size — 6mm

Sampled by: GB

Sample ID:	GWK016-2121	Duplicate Sample ID (if applicable):	GWK016-6121
COC:	COC-K016-2121		

Contact Information

For wells KAFB-003, KAFB-015, and KAFB-016: Call Mark Dalzell at 505-228-8595

For well ST106-VA-2: Call Tim Melody 505-991-3876

Comments:

Reviewed by: [signature] Date: 4-6-2021

Drinking Water Supply Sampling Log

Year: 2021
Quarter: 2 - April

Project: Kirtland AFB BFF ST-106/SS-111
Well ID: KAFB-015

Purge Information and Field Parameter

Date: 4-6-2021

Sample Team: GB + SM
Sample Team Signature

Purge Start Time: 0830

Time	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
0955	0.11	24.7	6.9	6.1	482.4	7.98	159.7

Sample Time: 0955
Sample Date: 4-6-2021

Bubbles in the vials?: ☐ Yes ☒ No Where? — Amount — Size — 6mm

Sampled by: GB

Sample ID:	GWK015-2121	Duplicate Sample ID (if applicable):	GWK015-6121
COC:	COC-K015-2121		

Contact Information

For wells KAFB-003, KAFB-015, and KAFB-016: Call Mark Dalzell at 505-228-8595

For well ST106-VA-2: Call Tim Melody 505-991-3876

Comments:

Reviewed by:
Date: 4-6-2021

Drinking Water Supply Sampling Log

Year: 2021
Quarter: 2 - May

Project: Kirtland AFB BFF ST-106/SS-111
Well ID: KAFB-015

Purge Information and Field Parameter

Date: 05/04/2021

Sample Team: AS GB
Sample Team Signature

Purge Start Time: 08:15

Time	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
0913	0.29	23.7	8.2	0.71	598	6.70	322.0

Sample Time: 0913 Sample Date: 05/04/2021

Bubbles in the vials?: ☐ Yes ☒ No Where? — Amount — Size —

6mm

Sampled by: Ginny Bracht

Sample ID:	GWK015-2122	Duplicate Sample ID (if applicable):	GWK015-6122
COC:	COC-K015-2122		

Contact Information

For wells KAFB-003, KAFB-015, and KAFB-016: Call Mark Dalzell at 505-228-8595

For well ST106-VA-2: Call Tim Melody 505-991-3876

Comments:

Reviewed by: D. Schweelk Review Date: 5-5-21

Page 1 of 1

Drinking Water Supply Sampling Log

Year: 2021
Quarter: 2 - May

Project: Kirtland AFB BFF ST-106/SS-111
Well ID: ST106-VA-2

Purge Information and Field Parameter

Date: 05-04-21

Sample Team: AS GB
Sample Team Signature

Purge Start Time: 1043

Time	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
1101	0.36	21.8	35.2	3.07	476.2	7.72	279.0

Sample Time: 1101 Sample Date: 05-04-21

Bubbles in the vials?: ☐ Yes ☒ No Where? — Amount — Size — 6mm

Sampled by: Ginny Bracht

Sample ID:	GWVA2-2122	Duplicate Sample ID (if applicable):	GWVA2-6122
COC:	COC-VA2-2122		

Contact Information

For wells KAFB-003, KAFB-015, and KAFB-016: Call Mark Dalzell at 505-228-8595

For well ST106-VA-2: Call Tim Melody 505-991-3876

Comments:

Reviewed by: D. Schmeelk Review Date: 5-5-21

Page 1 of 1

Drinking Water Supply Sampling Log

Year: 2021
Quarter: 2 - May

Project: Kirtland AFB BFF ST-106/SS-111
Well ID: KAFB-003

Purge Information and Field Parameter

Date: 05-04-21

Sample Team: AS GB
Sample Team Signature

Purge Start Time: 08:00

Time	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
09:52	0.28	20.5	38.6	3.43	451.4	7.62	310.0

Sample Time: 09:52
Sample Date: 05/04/21

Bubbles in the vials?: ☐ Yes ☒ No Where? — Amount — Size — 6mm

Sampled by: Ginny Bracht

Sample ID:	GWK003-2122	Duplicate Sample ID (if applicable):	GWK003-6122
COC:	COC-K003-2122		

Contact Information

For wells KAFB-003, KAFB-015, and KAFB-016: Call Mark Dalzell at 505-228-8595

For well ST106-VA-2: Call Tim Melody 505-991-3876

Comments:

Reviewed by: D. Schmelz
Review Date: 5-5-21

Page 1 of 1

Drinking Water Supply Sampling Log

Year: 2021
Quarter: 2 - June

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: ST106-VA-2

Purge Information and Field Parameter

Date: 06-01-21

Sample Team: SL, GB Sample Team Signature

Purge Start Time: 1010

Time	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
1030	0.18	22.1	22.8	1.88	225.5	7.70	242.2

Sample Time: 1030 Sample Date: 06-01-21

Bubbles in the vials?: ☐ Yes ☑ No Where? — Amount — Size —

6mm

Sampled by: GB

Sample ID:	GWVA2-2123	Duplicate Sample ID (if applicable):	GWVA2-6123
COC:	COC-VA2-2123		

Contact Information

For wells KAFB-003, KAFB-015, and KAFB-016: Call Mark Dalzell at 505-228-8595

For well ST106-VA-2: Call Tim Melody 505-991-3876

Comments:

Reviewed by: Review Date: 06/04/21

Page 1 of 1

Drinking Water Supply Sampling Log

Year: 2021
Quarter: 2 - June

Project: Kirtland AFB BFF ST-106/SS-111

Well ID: KAFB-003

Purge Information and Field Parameter

Date: 6-01-21

Sample Team: SL, GB

Sample Team Signature

Purge Start Time: 0800

Time	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
0940	0.46	20.5	88.8	7.10	218.7	7.38	2693

Sample Time: 0940

Sample Date: 6-01-21

Bubbles in the vials?: ☐ Yes ☒ No Where? — Amount — Size —

6mm

Sampled by: GB

Sample ID:	GWK003-2123	Duplicate Sample ID (if applicable):	GWK003-6123
COC:	COC-K003-2123		

Contact Information

For wells KAFB-003, KAFB-015, and KAFB-016: Call Mark Dalzell at 505-228-8595

For well ST106-VA-2: Call Tim Melody 505-991-3876

Comments:

Reviewed by:

Review Date: 06/04/21

Page 1 of 1

Drinking Water Supply Sampling Log

Year: 2021
Quarter: 2 - June

Project: Kirtland AFB BFF ST-106/SS-111 Well ID: KAFB-015

Purge Information and Field Parameter Date: 6/1/21

Sample Team: SL, GB Sample Team Signature

Purge Start Time: 0815

Time	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
0912	0.18	24.9	9.8	0.82	322.4	5.92	241.0

Sample Time: 0912 Sample Date: 6-01-21

Bubbles in the vials?: ☐ Yes ☒ No Where? — Amount — Size —

6mm

Sampled by: GB

Sample ID:	GWK015-2123	Duplicate Sample ID (if applicable):	GWK015-6123
COC:	COC-K015-2123		

Contact Information

For wells KAFB-003, KAFB-015, and KAFB-016: Call Mark Dalzell at 505-228-8595

For well ST106-VA-2: Call Tim Melody 505-991-3876

Comments:

Reviewed by: Review Date: 06/04/21

Page 1 of 1

225 Schilling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-K015-2121

PROJECT NAME: **Kirtland AFB Bulk Fuels Facility**

PROJECT NUMBER: **62735DM02**

LABORATORY NAME AND CONTACT: **Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601**

FAX AND MAIL REPORTS/EDD TO: Tara Lamond: tlamond@eaest.com EA
Amanda Smith: asmith@eaest.com EA

FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA

YEAR: 2021

QUARTER: 2 - April

LAB CONTACT: Kate Hower KateHower@eurofinsUS.com Eurofins 1 (717) 556-7258

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 14800

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	VOCs (8260C)	BTEX (8260C)	BTEXN (8260C)	EDB (8011)	Total (As,Pb,Ca,K,Na,Mg) (6020A/6010C)	Dissolved Fe, Mn (6010C)	Chloride, bromide, sulfate (300.0)	Nitrate-Nitrite (353.2)	Ammonia (SM4500NH3)	Sulfide (SM4500S2CF)	Alkalinity (SM2320B)	COMMENTS
1	GWK015-2121	4/16/21	0955	7					1	1*	1	1	1	1	1	
2																
3																
4																
5																
6																

*Dissolved Fe, Mn aliquot was field filtered

SAMPLER(S): G. Bracht

COURIER AND SHIPPING NUMBER: FedEx 8155 2829 2589

RELINQUISHED BY: Printed Name and Signature:	DATE	TIME
GINNY BRACHT	4/16/21	1600

RECEIVED BY: Printed Name and Signature:	DATE	TIME

225 Schilling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-K016-2121

PROJECT NAME: Kirtland AFB Bulk Fuels Facility	PROJECT NUMBER: 62735DM02	LABORATORY NAME AND CONTACT: Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	FAX AND MAIL REPORTS/EDD TO: Tara Lamond: tlamond@eaest.com EA; Amanda Smith: asmith@eaest.com EA	YEAR: 2021
			FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA	QUARTER: 2 - April
PROJECT SITE AND PHASE: ST106/SS111		LAB PO NUMBER: 14800	LAB CONTACT: Kate Hower KateHower@eurofinsUS.com Eurofins 1 (717) 556-7258	

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	Total (As,Pb,Ca,K,Na,Mg) (6020A/6010C)	Dissolved Fe, Mn (6010C)	Chloride, bromide, sulfate (300.0)	** Nitrate-Nitrite (353.2)	Ammonia (SM4500NH3)	Sulfide (SM4500S2CF)	Alkalinity (SM2320B)	COMMENTS
1	GWK016-2121	4/16/21	0920	7	—				3	GB 3*	GB 1	GB 1	GB 1	GB 1	GB 1	~~See Comments for requested MS/MSD analytes~~ GB
2																** Approximately half the water ~~sample~~ GB spilled out of the Nitrate-Nitrite container between sampling and shipping. Approximately 125 mL remains.
3																
4																
5																
6																

*Dissolved Fe, Mn aliquot was field filtered

~~Please run MS/MSD on the following analytes only: Total As and Pb, and dissolved Mn and Fe~~ GB

SAMPLER(S): G. Bracht

COURIER AND SHIPPING NUMBER: FedEx 8155 2829 2589

RELINQUISHED BY: Printed Name and Signature:	DATE	TIME	RECEIVED BY: Printed Name and Signature:	DATE	TIME
GINNY BRACHT GB=BA	4/16/21	1600			

225 Schilling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-VA2-2121

PROJECT NAME: Kirtland AFB Bulk Fuels Facility	PROJECT NUMBER: 62735DM02	LABORATORY NAME AND CONTACT: Test America Sample Receiving 5102 LaRoche Ave Savannah, GA 31404	FAX AND MAIL REPORTS/EDD TO: Tara Lamond: tlamond@eaest.com EA Amanda Smith: asmith@eaest.com EA	YEAR: 2021
			FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA	QUARTER: 2 - April
PROJECT SITE AND PHASE: ST106/SS111		LAB PO NUMBER: 16065	LAB CONTACT: 1 (912) 354-7858	

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(EPA Method 524.2) VOCs	(EPA Method 524.2) BTEX	(EPA Method 524.2) BTEXN	(EPA Method 504.1) EDB	Total (As,Pb,Ca,K,Na,Mg) (6020A/6010C)	Dissolved Fe, Mn (6010C)	Chloride, bromide, sulfate (300.0A)	Nitrate-Nitrite (353.2)	(Total, Carbonate, and Bicarbonate) (2320B) Alkalinity	Ammonia Nitrogen (4500NH3B/C)	Sulfide (4500 S2CF)	COMMENTS
1	GWVA2-2121	4/6/21	1200	6	–	3	—	3								
2																
3																
4																
5																
6																

TB2121- 02

SAMPLER(S): G. Bracht

COURIER AND SHIPPING NUMBER: FedEx 9508 8923 4250

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
Ginny Bracht	4/6/21	1600			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schilling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-K003-2121

PROJECT NAME: Kirtland AFB Bulk Fuels Facility	PROJECT NUMBER: 62735DM02	LABORATORY NAME AND CONTACT: Test America Sample Receiving 5102 LaRoche Ave Savannah, GA 31404	FAX AND MAIL REPORTS/EDD TO: Tara Lamond: tlamond@eaest.com EA; Amanda Smith: asmith@eaest.com EA; FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA
PROJECT SITE AND PHASE: ST106/SS111		LAB PO NUMBER: 16065	LAB CONTACT: 1 (912) 354-7858

YEAR: 2021
QUARTER: 2 - April

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	VOCs (EPA Method 524.2)	BTEX (EPA Method 524.2)	BTEXN (EPA Method 524.2)	EDB (EPA Method 504.1)	Total (6020A/6010C) (As,Pb,Ca,K,Na,Mg)	Dissolved Fe, Mn (6010C)	Chloride, bromide, sulfate (300.0A)	Nitrate-Nitrite (353.2)	Alkalinity (Total, Carbonate, and Bicarbonate) (2320B)	Ammonia Nitrogen (4500NH3B/C)	Sulfide (4500 S2CF)	COMMENTS
1	GWK003-2121	4/6/21	1028	18	-	6s 39	-	6s 39								Additional volume provided for MS/MSD analysis
2																
3																
4																
5																
6																

TB2121-02

SAMPLER(S): G. Bracht

COURIER AND SHIPPING NUMBER: FedEx 9508 8923 4250

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: GINNY BRACHT	4/6/21	1600	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schilling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-TB2121-02

PROJECT NAME: **Kirtland AFB Bulk Fuels Facility**	PROJECT NUMBER: **62735DM02**	LABORATORY NAME AND CONTACT: **Eurofins TestAmerica Sample Receiving 5102 LaRoche Ave Savannah, GA 31404**	FAX AND MAIL REPORTS/EDD TO: Tara Lamond: tlamond@eaest.com EA; Amanda Smith: asmith@eaest.com EA
			FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA
PROJECT SITE AND PHASE: ST106/SS111		LAB PO NUMBER: 18929	LAB CONTACT: 1 (912) 354-7858

YEAR: 2021
QUARTER: 2 - April

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(EPA Method 524.2) VOCs	(EPA Method 524.2) BTEX	(EPA Method 524.2) BTEXN	(EPA Method 504.1) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0A) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(4500NH3B/C) Ammonia Nitrogen	(4500 S2CF) Sulfide	COMMENTS
1	TB2121-02	4/6/21	1315	4	—	2	—	2	—							
2																
3																
4																
5																
6																

Associated with:
GWK003-2121
GWVA2-2121

SAMPLER(S): G. Bracht

COURIER AND SHIPPING NUMBER: FedEx 9598 8923 4250

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: GINNY BRACHT	4/6/21	1600	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schilling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-VA2-2121

PROJECT NAME: Kirtland AFB Bulk Fuels Facility	PROJECT NUMBER: 62735DM02	LABORATORY NAME AND CONTACT: Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601	FAX AND MAIL REPORTS/EDD TO: Tara Lamond: tlamond@eaest.com EA; Amanda Smith: asmith@eaest.com EA
			FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA
PROJECT SITE AND PHASE: ST106/SS111		LAB PO NUMBER: 14800	LAB CONTACT: Kate Hower KateHower@eurofinsUS.com Eurofins 1 (717) 556-7258

YEAR: 2021
QUARTER: 2 - April

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	VOCs (8260C)	BTEX (8260C)	BTEXN (8260C)	EDB (8011)	Total (As,Pb,Ca,K,Na,Mg) (6020A/6010C)	Dissolved Fe, Mn (6010C)	Chloride, bromide, sulfate (300.0)	Nitrate-Nitrite (353.2)	Ammonia (SM4500NH3)	Sulfide (SM4500S2CF)	Alkalinity (SM2320B)	COMMENTS
1	GWVA2-2121	4/6/21	1200	7					1	1*	1	1	1	1	1	
2																
3																
4																
5																
6																

*Dissolved Fe, Mn aliquot was field filtered

SAMPLER(S): G. Bracht

COURIER AND SHIPPING NUMBER: FedEx 8155 2829 2578

RELINQUISHED BY: Printed Name and Signature:	DATE	TIME	RECEIVED BY: Printed Name and Signature:	DATE	TIME
GINNY BRACHT	4/6/21	1600			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

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400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-K003-2121

PROJECT NAME: **Kirtland AFB Bulk Fuels Facility**	PROJECT NUMBER: **62735DM02**	LABORATORY NAME AND CONTACT: **Eurofins Lancaster Laboratories 2425 New Holland Pike Lancaster PA 17601**	FAX AND MAIL REPORTS/EDD TO: Tara Lamond: tlamond@eaest.com EA; Amanda Smith: asmith@eaest.com EA	YEAR: 2021
			FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA	QUARTER: 2 - April
PROJECT SITE AND PHASE: ST106/SS111		LAB PO NUMBER: 14800	LAB CONTACT: Kate Hower KateHower@eurofinsUS.com Eurofins 1 (717) 556-7258	

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	Total (As,Pb,Ca,K,Na,Mg)(6020A/6010C)	Dissolved Fe, Mn (6010C)	Chloride, bromide, sulfate (300.0)	Nitrate-Nitrite (353.2)	Ammonia (SM4500NH3)	Sulfide (SM4500S2CF)	Alkalinity (SM2320B)	COMMENTS
1	GWK003-2121	4/6/21	1028	11	→	→	→	→	GB 13	GB 3*	1	1	1	1	1	Additional ~~MS/GB~~ volume provided for MS/MSD analysis. Please run MS/MSD on the following analytes only: Total As and Pb, and Dissolved Mn and Fe.
2																
3																
4									GB							
5																
6																

*Dissolved Fe, Mn aliquot was field filtered

SAMPLER(S): G. Bracht

COURIER AND SHIPPING NUMBER: FedEx 8155 2829 2578

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
GINNY BRACHT	4/6/21	1600			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schilling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-TB2121-01

PROJECT NAME: **Kirtland AFB Bulk Fuels Facility**	PROJECT NUMBER: **62735DM02**	LABORATORY NAME AND CONTACT: **Eurofins TestAmerica Sample Receiving 5102 LaRoche Ave Savannah, GA 31404**	FAX AND MAIL REPORTS/EDD TO: Tara Lamond: tlamond@eaest.com EA; Amanda Smith: asmith@eaest.com EA; FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA
YEAR: 2021	QUARTER: 2 - April		
PROJECT SITE AND PHASE: ST106/SS111	LAB PO NUMBER: 18929	LAB CONTACT: 1 (912) 354-7858	

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	VOCs (EPA Method 524.2)	BTEX (EPA Method 524.2)	BTEXN (EPA Method 524.2)	EDB (EPA Method 504.1)	Total (As,Pb,Ca,K,Na,Mg) (6020A/6010C)	Dissolved Fe, Mn (6010C)	Chloride, bromide, sulfate (300.0A)	Nitrate-Nitrite (353.2)	Alkalinity (Total, Carbonate, and Bicarbonate) (2320B)	Ammonia Nitrogen (4500NH3BC)	Sulfide (4500 S2CF)	COMMENTS
1	TB2121-01	4/6/21	1315	4	–	2	–	2	–							
2																
3																
4																
5																
6																

Associated with:
GWK015-2121
GWK016-2121

SAMPLER(S): G. Bracht

COURIER AND SHIPPING NUMBER: FedEx 9234 5235 8052

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: GINNY BRACHT	4/6/21	1600	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schilling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-K016-2121

PROJECT NAME: Kirtland AFB Bulk Fuels Facility	PROJECT NUMBER: 62735DM02	LABORATORY NAME AND CONTACT: Test America Sample Receiving 5102 LaRoche Ave Savannah, GA 31404	FAX AND MAIL REPORTS/EDD TO: Tara Lamond: tlamond@eaest.com EA; Amanda Smith: asmith@eaest.com EA; FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA
PROJECT SITE AND PHASE: ST106/SS111	LAB PO NUMBER: 16065	LAB CONTACT: 1 (912) 354-7858	YEAR: 2021; QUARTER: 2 - April

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	VOCs (EPA Method 524.2)	BTEX (EPA Method 524.2)	BTEXN (EPA Method 524.2)	EDB (EPA Method 504.1)	Total (As,Pb,Ca,K,Na,Mg) (6020A/6010C)	Dissolved Fe, Mn (6010C)	Chloride, bromide, sulfate (300.0A)	Nitrate-Nitrite (353.2)	Alkalinity (Total, Carbonate, and Bicarbonate) (2320B)	Ammonia Nitrogen (4500NH3B/C)	Sulfide (4500 S2CF)	COMMENTS
1	GWK016-2121	4/6/21	0920	6	-	3	-	3								~~Additional volume provided for MS/MSD~~ GB
2																
3																
4																
5																
6																

TB2121-01

SAMPLER(S): G. Bracht

COURIER AND SHIPPING NUMBER: FedEx 9234 5235 8052

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: GINNY BRACHT	4/6/21	0920	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

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CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-K015-2121

PROJECT NAME: Kirtland AFB Bulk Fuels Facility	PROJECT NUMBER: 62735DM02	LABORATORY NAME AND CONTACT: Test America Sample Receiving 5102 LaRoche Ave Savannah, GA 31404	FAX AND MAIL REPORTS/EDD TO: Tara Lamond: tlamond@eaest.com EA; Amanda Smith: asmith@eaest.com EA; FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA
PROJECT SITE AND PHASE: ST106/SS111		LAB PO NUMBER: 16065	LAB CONTACT: 1 (912) 354-7858

YEAR: 2021
QUARTER: 2 - April

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(EPA Method 524.2) VOCs	(EPA Method 524.2) BTEX	(EPA Method 524.2) BTEXN	(EPA Method 504.1) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0A) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(4500NH3BC) Ammonia Nitrogen	(4500 S2CF) Sulfide	COMMENTS
1	GWK015-2121	4/6/21	0955	6	–	3	–	3								
2																
3																
4																
5																
6																

TB2121- 01

SAMPLER(S): G. Bracht

COURIER AND SHIPPING NUMBER: FedEx 9234 5235 8052

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: GINNY BRACHT	4/6/21	1600	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

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Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-TB2122-02

PROJECT NAME: **Kirtland AFB Bulk Fuels Facility**	PROJECT NUMBER: **62735DM02**	LABORATORY NAME AND CONTACT: **Eurofins TestAmerica Sample Receiving 5102 LaRoche Ave Savannah, GA 31404**	FAX AND MAIL REPORTS/EDD TO: Tara Lamond: tlamond@eaest.com EA; Amanda Smith: asmith@eaest.com EA; FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA
YEAR: 2021	QUARTER: 2 - May		
PROJECT SITE AND PHASE: ST106/SS111	LAB PO NUMBER: 18929	LAB CONTACT: 1 (912) 354-7858	

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	VOCs (EPA Method 524.2)	BTEX (EPA Method 524.2)	BTEXN (EPA Method 524.2)	EDB (EPA Method 504.1)	Total (As,Pb,Ca,K,Na,Mg) (6020A/6010C)	Dissolved Fe, Mn (6010C)	Chloride, bromide, sulfate (300.0A)	Nitrate-Nitrite (353.2)	Alkalinity (Total, Carbonate, and Bicarbonate) (2320B)	Ammonia Nitrogen (4500NH3B/C)	Sulfide (4500 S2CF)	COMMENTS
1	TB2122-02	5/4/21	GB 1500 1230	4	—	2	—	2								
2																
3																
4																
5																
6																

Associated with:
GWA2-2122
GWA2-6122

SAMPLER(S): G. Bracht

COURIER AND SHIPPING NUMBER: FedEx 9508 8923 4341

RELINQUISHED BY: Printed Name and Signature:	DATE	TIME	RECEIVED BY: Printed Name and Signature:	DATE	TIME
GINNY BRACHT	5/4/21	1500			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schilling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-VA2-2122

PROJECT NAME: Kirtland AFB Bulk Fuels Facility	PROJECT NUMBER: 62735DM02	LABORATORY NAME AND CONTACT: Test America Sample Receiving 5102 LaRoche Ave Savannah, GA 31404	FAX AND MAIL REPORTS/EDD TO: Tara Lamond: tlamond@eaest.com EA Amanda Smith: asmith@eaest.com EA FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA	YEAR: 2021 QUARTER: 2 - May
PROJECT SITE AND PHASE: ST106/SS111		LAB PO NUMBER: 16065	LAB CONTACT: 1 (912) 354-7858	

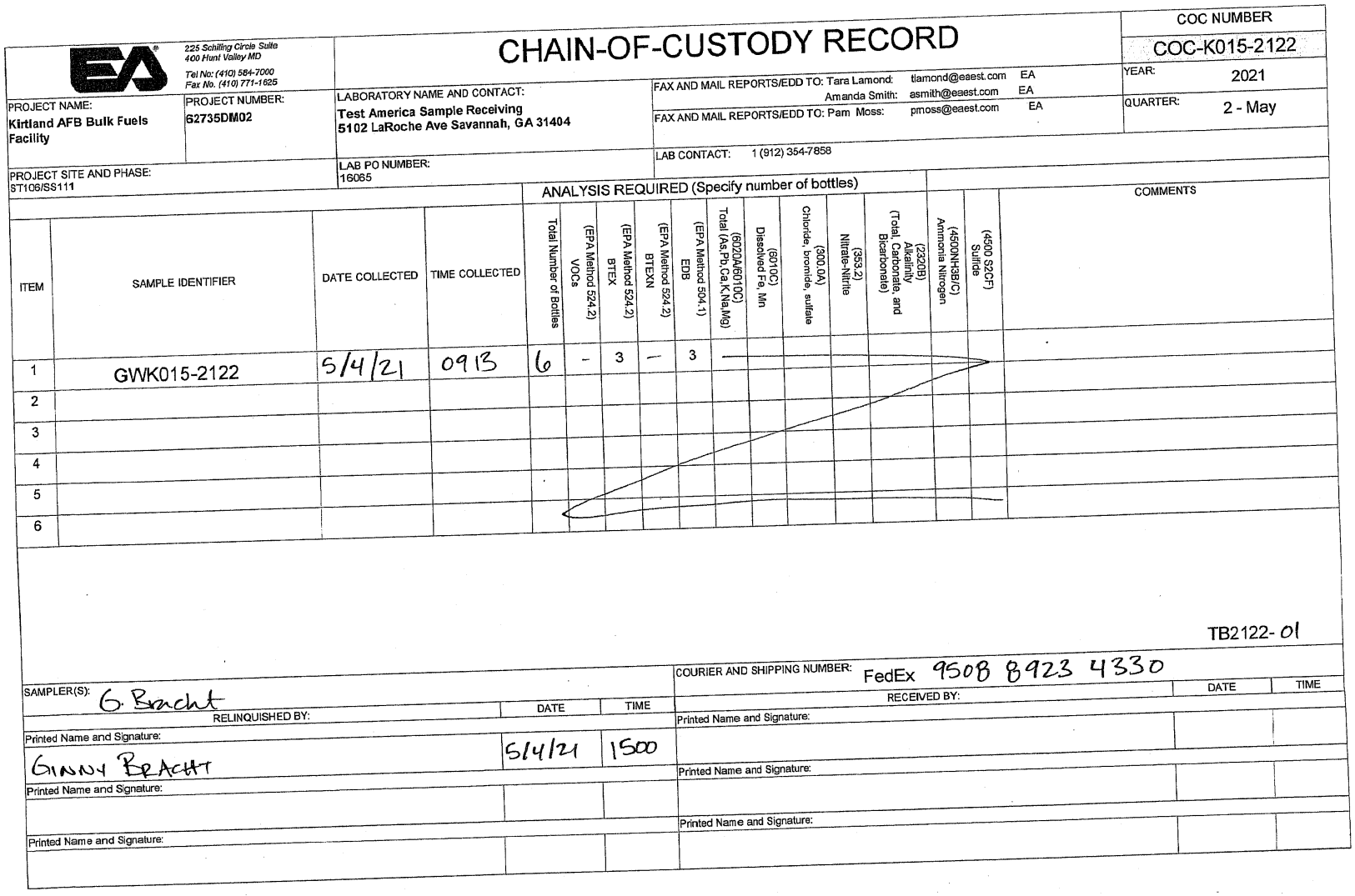
				ANALYSIS REQUIRED (Specify number of bottles)												
ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(EPA Method 524.2) VOCs	(EPA Method 524.2) BTEX	(EPA Method 524.2) BTEXN	(EPA Method 504.1) EDB	Total (As,Pb,Ca,K,Na,Mg) (6020A/6010C)	Dissolved Fe, Mn (6010C)	Chloride, bromide, sulfate (300.0A)	Nitrate-Nitrite (353.2)	(Total, Carbonate, and Bicarbonate) Alkalinity (2320B)	Ammonia Nitrogen (4500NH3B/C)	Sulfide (4500 S2CF)	COMMENTS
1	GWVA2-2122	5/4/21	1101	6	–	3	–	3								
2	GWVA2-6122	5/4/21	1101	6	–	3	–	3								
3																
4																
5																
6																

TB2122-02

SAMPLER(S): G. Bracht

COURIER AND SHIPPING NUMBER: FedEx 9508 8923 4341

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
GINNY BRACHT	5/4/21	1500			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		



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400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-K015-2122

PROJECT NAME: Kirtland AFB Bulk Fuels Facility
PROJECT NUMBER: 62735DM02
PROJECT SITE AND PHASE: ST106/SS111

LABORATORY NAME AND CONTACT: Test America Sample Receiving, 5102 LaRoche Ave Savannah, GA 31404
LAB PO NUMBER: 16065

FAX AND MAIL REPORTS/EDD TO: Tara Lamond: tlamond@eaest.com EA
Amanda Smith: asmith@eaest.com EA
FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA
LAB CONTACT: 1 (912) 354-7858

YEAR: 2021
QUARTER: 2 - May

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(EPA Method 524.2) VOCs	(EPA Method 524.2) BTEX	(EPA Method 524.2) BTEXN	(EPA Method 504.1) EDB	(6020A/6010C) Total (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0A) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(4500NH3B/C) Ammonia Nitrogen	(4500 S2CF) Sulfide	COMMENTS
1	GWK015-2122	5/4/21	0913	6	-	3	—	3								
2																
3																
4																
5																
6																

TB2122- 01

SAMPLER(S): G. Bracht

COURIER AND SHIPPING NUMBER: FedEx 9508 8923 4330

RELINQUISHED BY: Printed Name and Signature:	DATE	TIME	RECEIVED BY: Printed Name and Signature:	DATE	TIME
GINNY BRACHT	5/4/21	1500			

225 Schilling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-K003-2122

PROJECT NAME: Kirtland AFB Bulk Fuels Facility	PROJECT NUMBER: 62735DM02	LABORATORY NAME AND CONTACT: Test America Sample Receiving 5102 LaRoche Ave Savannah, GA 31404	FAX AND MAIL REPORTS/EDD TO: Tara Lamond: tlamond@eaest.com EA Amanda Smith: asmith@eaest.com EA FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA	YEAR: 2021 QUARTER: 2 - May
PROJECT SITE AND PHASE: ST106/SS111		LAB PO NUMBER: 16065	LAB CONTACT: 1 (912) 354-7858	

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(EPA Method 524.2) VOCs	(EPA Method 524.2) BTEX	(EPA Method 524.2) BTEXN	(EPA Method 504.1) EDB	Total (6020A/6010C) (As,Pb,Ca,K,Na,Mg)	(6010C) Dissolved Fe, Mn	(300.0A) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(2320B) Alkalinity (Total, Carbonate, and Bicarbonate)	(4500NH3B/C) Ammonia Nitrogen	(4500 S2CF) Sulfide	COMMENTS
1	GWK003-2122	5/4/21	0952	6	–	3	–	3								
2																
3																
4																
5																
6																

TB2122-01

SAMPLER(S): G. Bracht

COURIER AND SHIPPING NUMBER: FedEx 9508 8923 4352 GB 4330

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
Ginny Bracht	5/4/21	0800 GB 1500			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schilling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-TB2122-01

PROJECT NAME: Kirtland AFB Bulk Fuels Facility	PROJECT NUMBER: 62735DM02	LABORATORY NAME AND CONTACT: Eurofins TestAmerica Sample Receiving 5102 LaRoche Ave Savannah, GA 31404	FAX AND MAIL REPORTS/EDD TO: Tara Lamond: tlamond@eaest.com EA; Amanda Smith: asmith@eaest.com EA	YEAR: 2021
			FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA	QUARTER: 2 - May
PROJECT SITE AND PHASE: ST106/SS111		LAB PO NUMBER: 18929	LAB CONTACT: 1 (912) 354-7858	

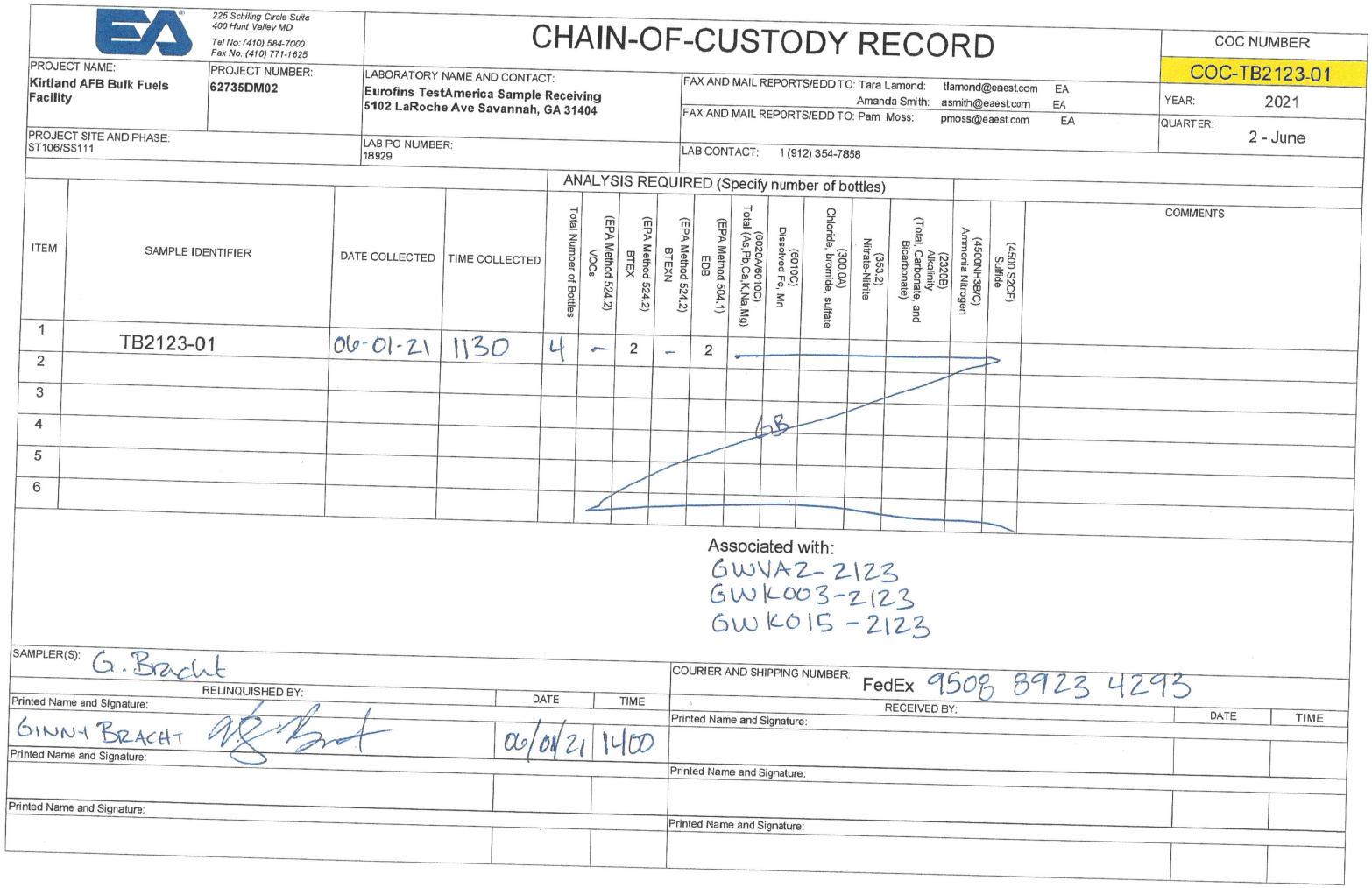
				ANALYSIS REQUIRED (Specify number of bottles)												
ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(EPA Method 524.2) VOCs	(EPA Method 524.2) BTEX	(EPA Method 524.2) BTEXN	(EPA Method 504.1) EDB	Total (As,Pb,Ca,K,Na,Mg) (6020A/6010C)	Dissolved Fe, Mn (6010C)	Chloride, bromide, sulfate (300.0A)	Nitrate-Nitrite (353.2)	Alkalinity (Total, Carbonate, and Bicarbonate) (2320B)	Ammonia Nitrogen (4500NH3B/C)	Sulfide (4500 S2CF)	COMMENTS
1	TB2122-01	5/4/21	1230	4	-	2	-	2								
2																
3																
4																
5																
6																

Associated with:
GWK003-2122
GWK015-2122

SAMPLER(S): G. Bracht

COURIER AND SHIPPING NUMBER: FedEx 9508 8923 4330

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature: GINNY BRACHT	5/4/21	1500	Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		



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Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-TB2123-01

PROJECT NAME: Kirtland AFB Bulk Fuels Facility
PROJECT NUMBER: 62735DM02
PROJECT SITE AND PHASE: ST106/SS111

LABORATORY NAME AND CONTACT: Eurofins TestAmerica Sample Receiving, 5102 LaRoche Ave Savannah, GA 31404
LAB PO NUMBER: 18929

FAX AND MAIL REPORTS/EDD TO: Tara Lamond: tlamond@eaest.com EA
FAX AND MAIL REPORTS/EDD TO: Amanda Smith: asmith@eaest.com EA
FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA
LAB CONTACT: 1 (912) 354-7858

YEAR: 2021
QUARTER: 2 - June

ANALYSIS REQUIRED (Specify number of bottles)

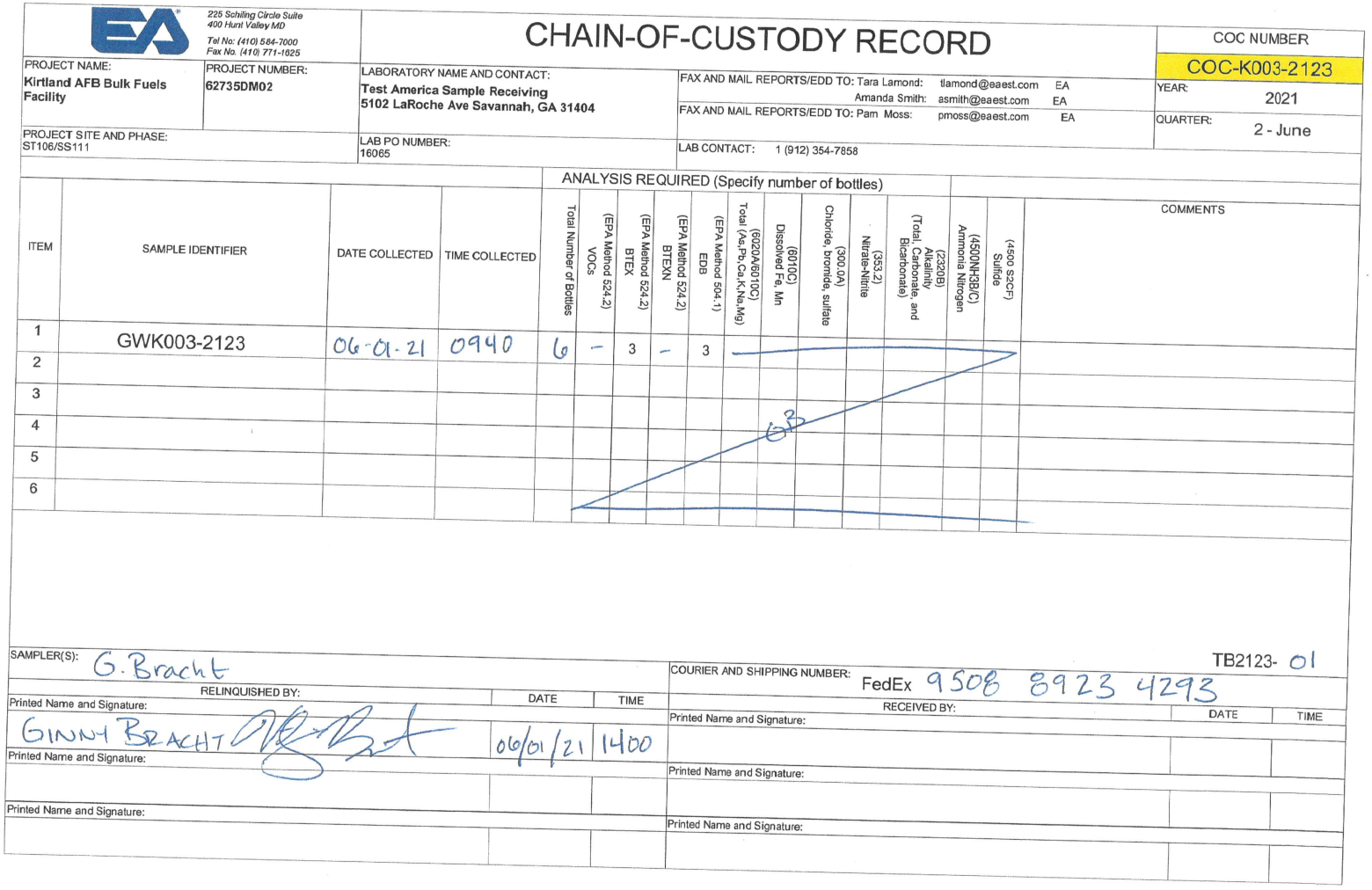
ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(EPA Method 524.2) VOCs	(EPA Method 524.2) BTEX	(EPA Method 524.2) BTEXN	(EPA Method 504.1) EDB	Total (As,Pb,Ca,K,Na,Mg) (6020A/6010C)	Dissolved Fe, Mn (6010C)	Chloride, bromide, sulfate (300.0A)	Nitrate-Nitrite (353.2)	(Total, Carbonate and Bicarbonate) Alkalinity (2320B)	Ammonia Nitrogen (4500NH3B/C)	Sulfide (4500 S2CF)	COMMENTS
1	TB2123-01	06-01-21	1130	4	-	2	-	2								
2																
3																
4																
5																
6																

Associated with:
GWVA2-2123
GWK003-2123
GWK015-2123

SAMPLER(S): G. Bracht

COURIER AND SHIPPING NUMBER: FedEx 9508 8923 4293

RELINQUISHED BY: Printed Name and Signature:	DATE	TIME	RECEIVED BY: Printed Name and Signature:	DATE	TIME
GINNY BRACHT	06/01/21	1400			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		



225 Schilling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-K003-2123

PROJECT NAME: Kirtland AFB Bulk Fuels Facility
PROJECT NUMBER: 62735DM02
PROJECT SITE AND PHASE: ST106/SS111

LABORATORY NAME AND CONTACT: Test America Sample Receiving, 5102 LaRoche Ave Savannah, GA 31404
LAB PO NUMBER: 16065

FAX AND MAIL REPORTS/EDD TO: Tara Lamond: tlamond@eaest.com EA
Amanda Smith: asmith@eaest.com EA
FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA
LAB CONTACT: 1 (912) 354-7858

YEAR: 2021
QUARTER: 2 - June

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	VOCs (EPA Method 524.2)	BTEX (EPA Method 524.2)	BTEXN (EPA Method 524.2)	EDB (EPA Method 504.1)	Total (As,Pb,Ca,K,Na,Mg) (6020A/6010C)	Dissolved Fe, Mn (6010C)	Chloride, bromide, sulfate (300.0A)	Nitrate-Nitrite (353.2)	Alkalinity (Total, Carbonate, and Bicarbonate) (2320B)	Ammonia Nitrogen (4500NH3B/C)	Sulfide (4500 S2CF)	COMMENTS
1	GWK003-2123	06-01-21	0940	6	-	3	-	3								
2																
3																
4																
5																
6																

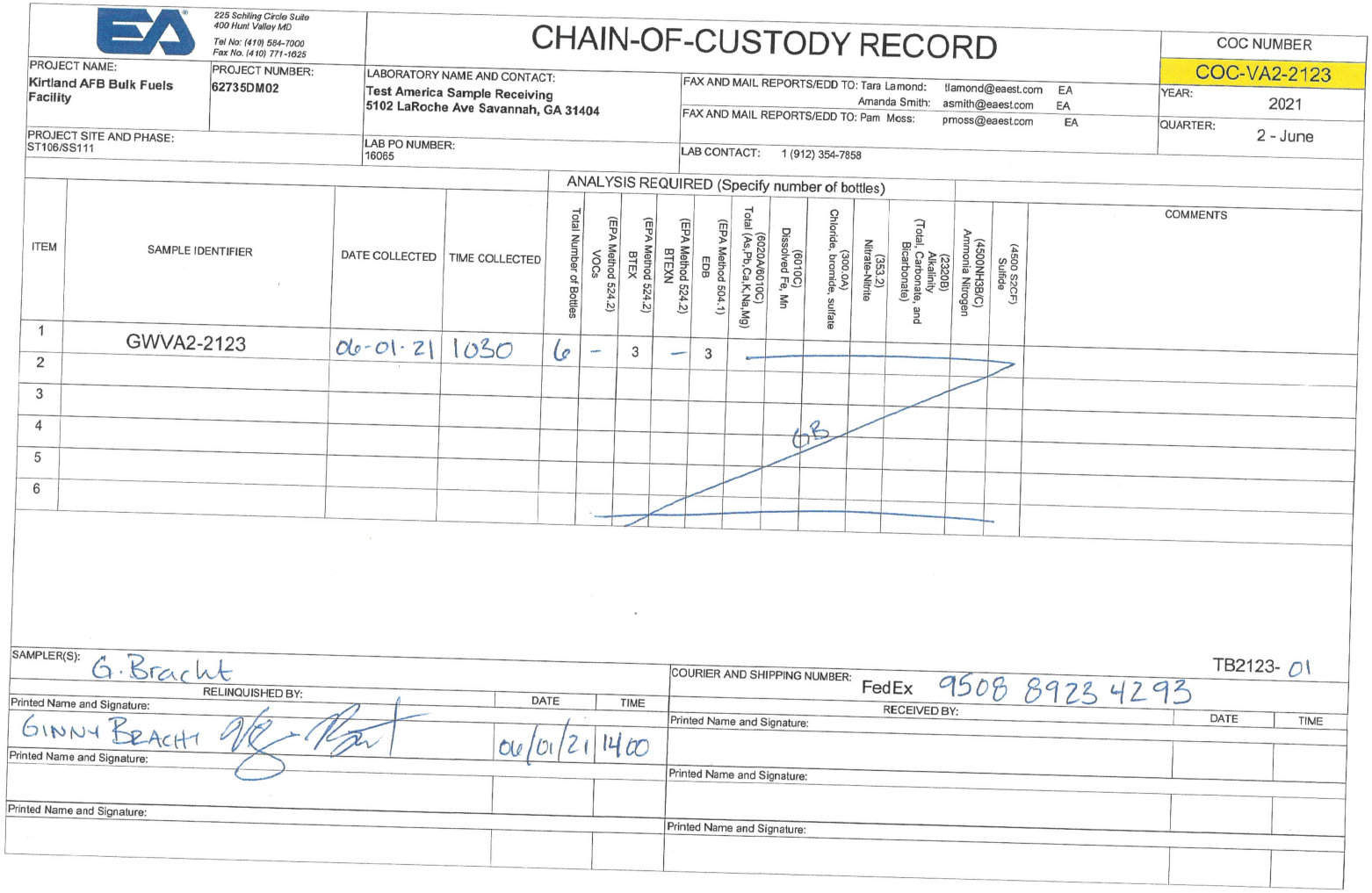
SAMPLER(S): G. Bracht

COURIER AND SHIPPING NUMBER: FedEx 9508 8923 4293

TB2123- 01

RELINQUISHED BY: Printed Name and Signature	DATE	TIME
GINNY BRACHT	06/01/21	1400
Printed Name and Signature:		
Printed Name and Signature:		

RECEIVED BY: Printed Name and Signature	DATE	TIME
Printed Name and Signature:		
Printed Name and Signature:		



225 Schilling Circle Suite 400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-VA2-2123

PROJECT NAME: Kirtland AFB Bulk Fuels Facility
PROJECT NUMBER: 62735DM02
PROJECT SITE AND PHASE: ST106/SS111

LABORATORY NAME AND CONTACT: Test America Sample Receiving, 5102 LaRoche Ave Savannah, GA 31404
LAB PO NUMBER: 16065

FAX AND MAIL REPORTS/EDD TO: Tara Lamond: tlamond@eaest.com EA
Amanda Smith: asmith@eaest.com EA
FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA
LAB CONTACT: 1 (912) 354-7858

YEAR: 2021
QUARTER: 2 - June

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	VOCs (EPA Method 524.2)	BTEX (EPA Method 524.2)	BTEXN (EPA Method 524.2)	EDB (EPA Method 504.1)	Total (As,Pb,Ca,K,Na,Mg) (6020A/6010C)	Dissolved Fe, Mn (6010C)	Chloride, bromide, sulfate (300.0A)	Nitrate-Nitrite (353.2)	Alkalinity (Total, Carbonate, and Bicarbonate) (2320B)	Ammonia Nitrogen (4500NH3B/C)	Sulfide (4500 S2CF)	COMMENTS
1	GWVA2-2123	06-01-21	1030	6	-	3	-	3								
2																
3																
4																
5																
6																

SAMPLER(S): G. Bracht

COURIER AND SHIPPING NUMBER: FedEx 9508 8923 4293

TB2123- 01

RELINQUISHED BY: Printed Name and Signature:	DATE	TIME
GINNY BRACHT	06/01/21	1400

RECEIVED BY: Printed Name and Signature:	DATE	TIME

225 Schilling Circle Suite
400 Hunt Valley MD
Tel No. (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-K015-2123

PROJECT NAME: Kirtland AFB Bulk Fuels Facility	PROJECT NUMBER: 62735DM02	LABORATORY NAME AND CONTACT: Test America Sample Receiving 5102 LaRoche Ave Savannah, GA 31404	FAX AND MAIL REPORTS/EDD TO: Tara Lamond: tlamond@eaest.com EA; Amanda Smith: asmith@eaest.com EA; FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA
PROJECT SITE AND PHASE: ST106/SS111		LAB PO NUMBER: 16065	LAB CONTACT: 1 (912) 354-7858

YEAR: 2021
QUARTER: 2 - June

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(EPA Method 524.2) VOCs	(EPA Method 524.2) BTEX	(EPA Method 524.2) BTEXN	(EPA Method 504.1) EDB	Total (As,Pb,Ca,K,Na,Mg) (6020A/6010C)	Dissolved Fe, Mn (6010C)	Chloride, bromide, sulfate (300.0A)	Nitrate-Nitrite (353.2)	(Total, Carbonate, and Bicarbonate) Alkalinity (2320B)	Ammonia Nitrogen (4500NH3B(C))	Sulfide (4500 S2CF)	COMMENTS
1	GWK015-2123	06-01-21	0912	6	-	3	-	3	2							
2																
3																
4																
5																
6																

TB2123-01

SAMPLER(S): SC, (GB) GINNY BRACHT

COURIER AND SHIPPING NUMBER: FedEx 9508 8923 4293

RELINQUISHED BY: Printed Name and Signature	DATE	TIME	RECEIVED BY: Printed Name and Signature	DATE	TIME
G. Bracht	06/01/21	1400			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

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6/9/2021

Appendix J-1

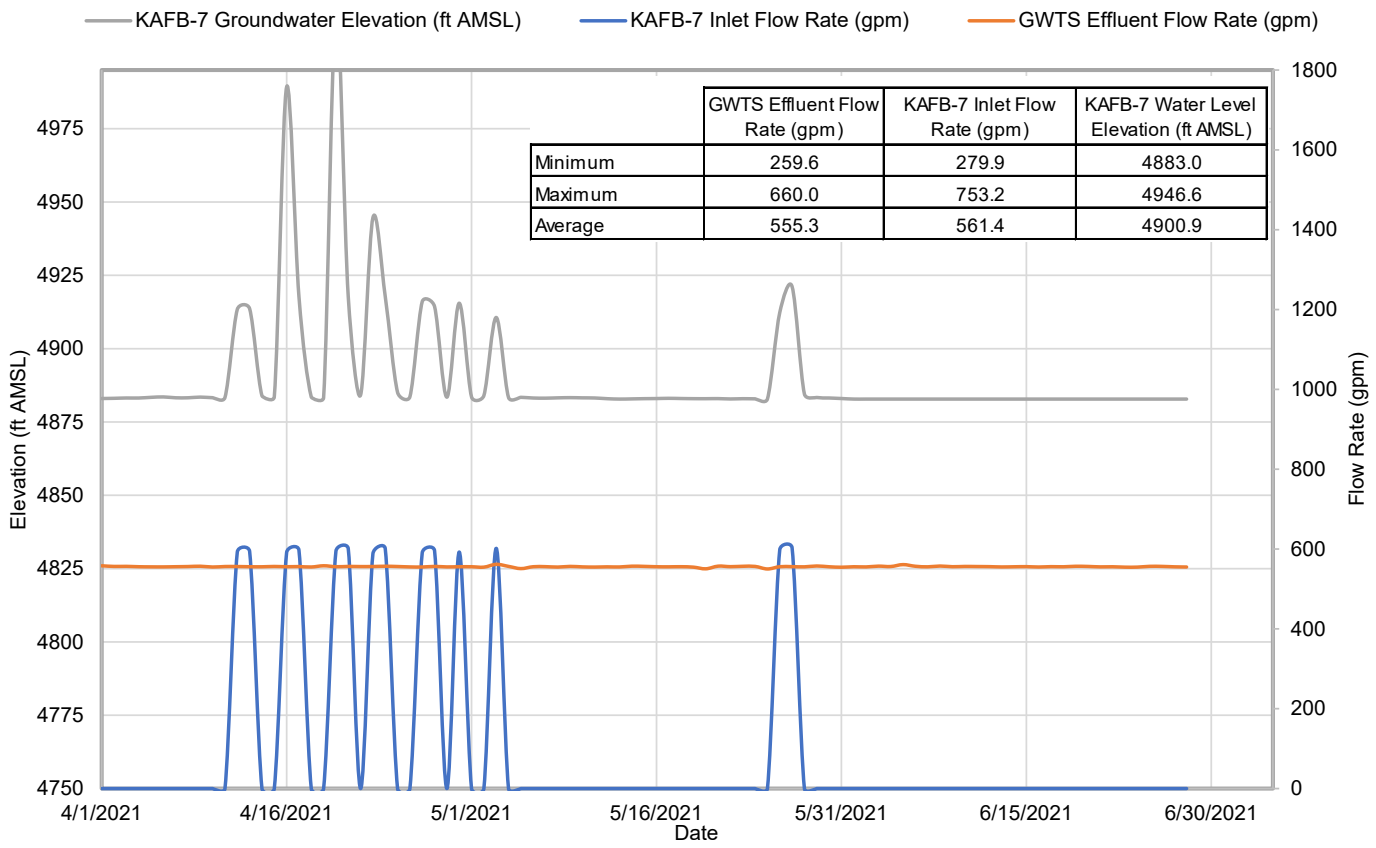
Groundwater Treatment System Plant

Operation and Maintenance Documentation

(April-June 2021)

Q2 2021 WELL PERFORMANCE FIGURES

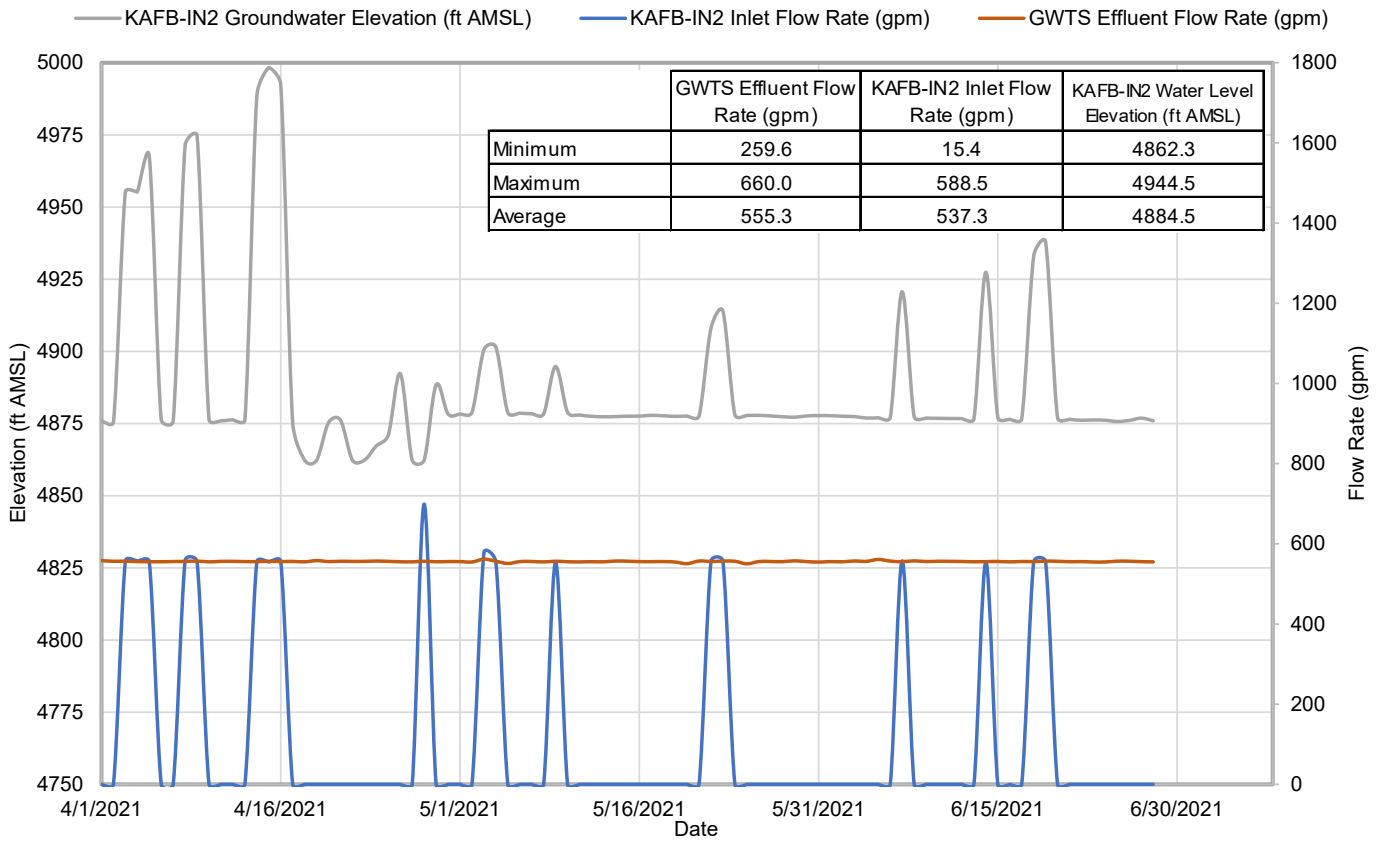
Figure J-1-1a
Well KAFB-7



	GWTS Effluent Flow Rate (gpm)	KAFB-7 Inlet Flow Rate (gpm)	KAFB-7 Water Level Elevation (ft AMSL)
Minimum	259.6	279.9	4883.0
Maximum	660.0	753.2	4946.6
Average	555.3	561.4	4900.9

AMSL = above mean sea level
ft = foot/feet
gpm = gallons per minute

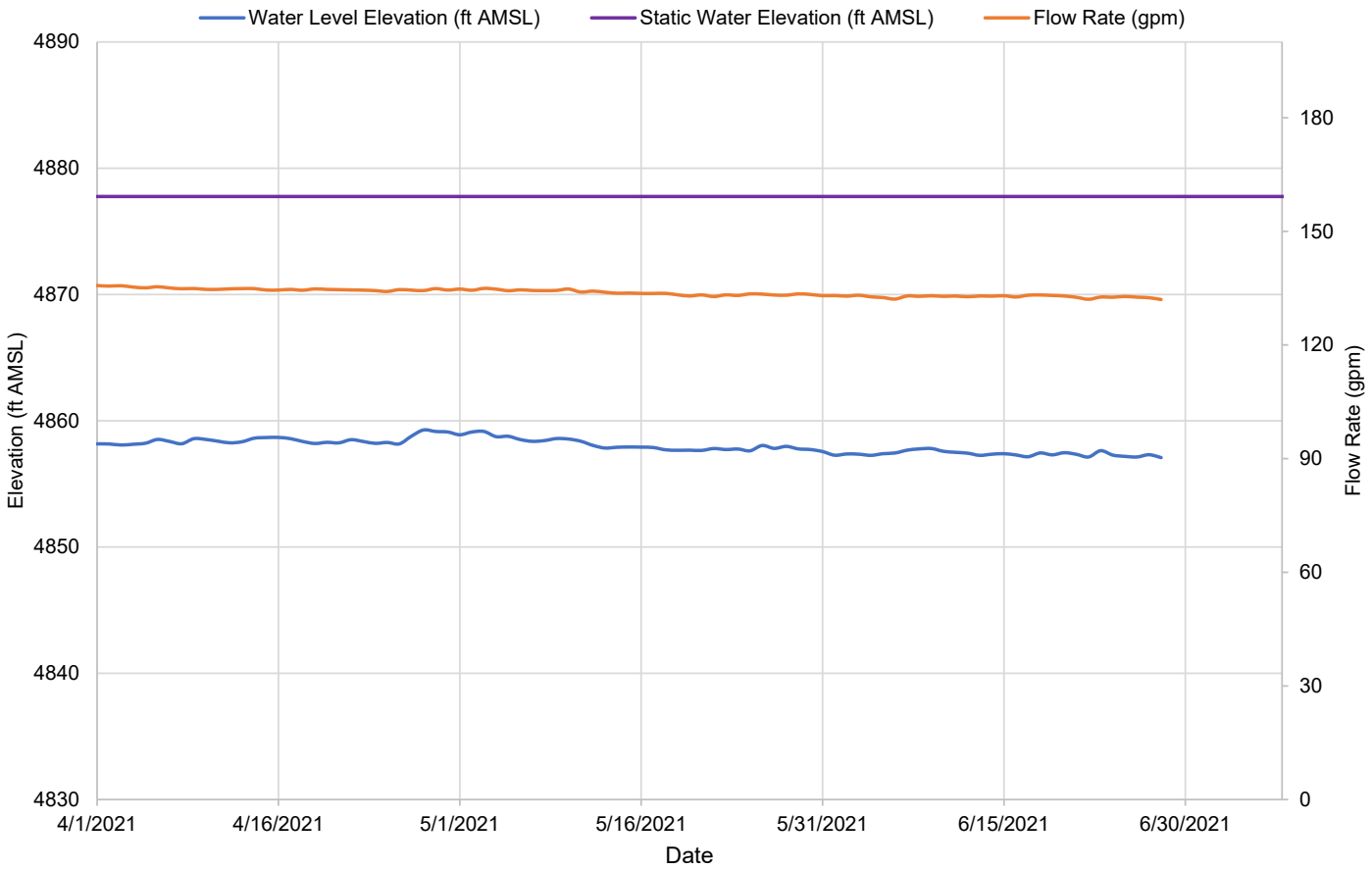
Figure J-1-1b
Well KAFB-IN2



	GWTS Effluent Flow Rate (gpm)	KAFB-IN2 Inlet Flow Rate (gpm)	KAFB-IN2 Water Level Elevation (ft AMSL)
Minimum	259.6	15.4	4862.3
Maximum	660.0	588.5	4944.5
Average	555.3	537.3	4884.5

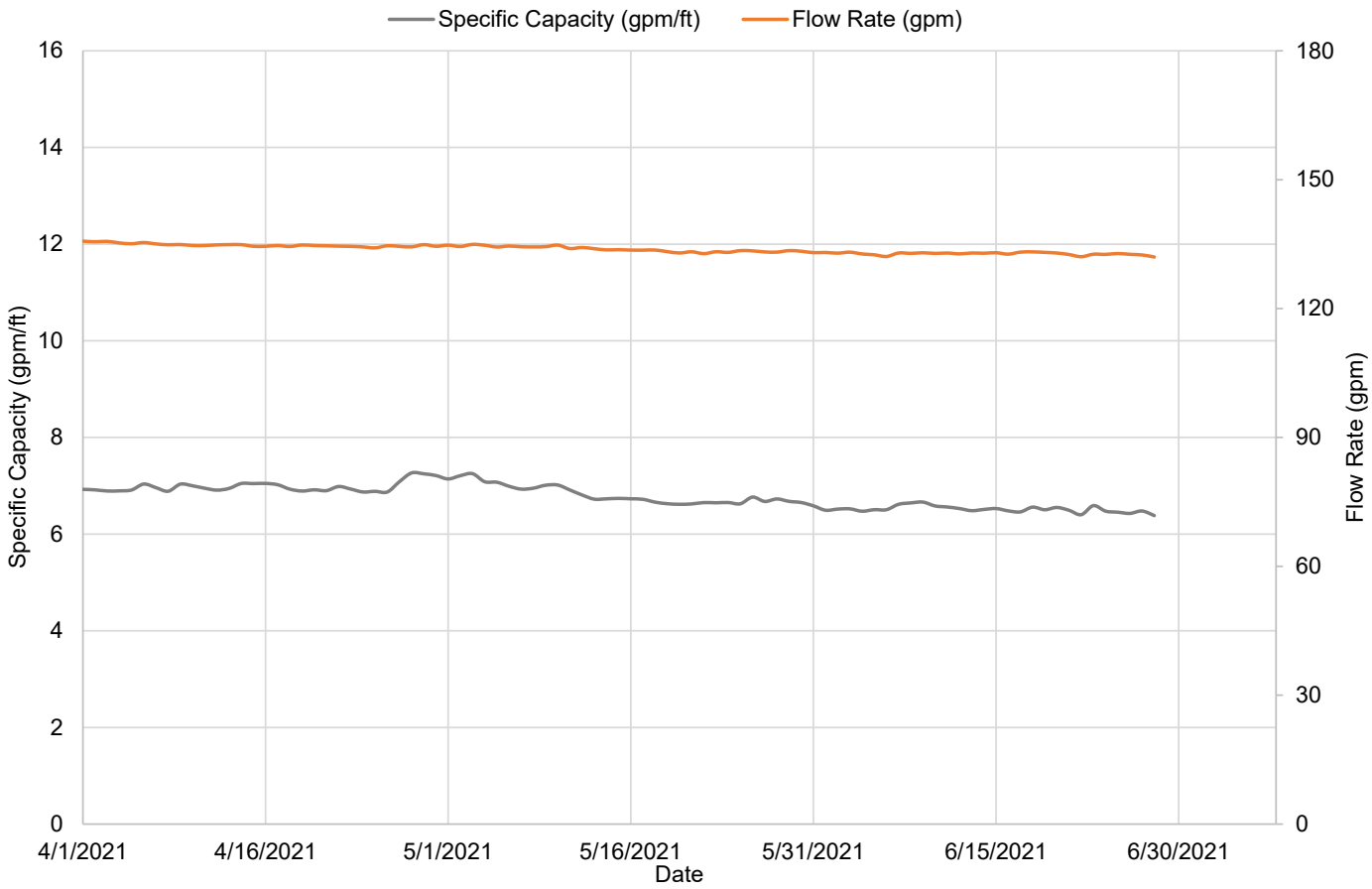
AMSL = above mean sea level
ft = foot/feet
gpm = gallons per minute

Figure J-1-2
KAFB-106228



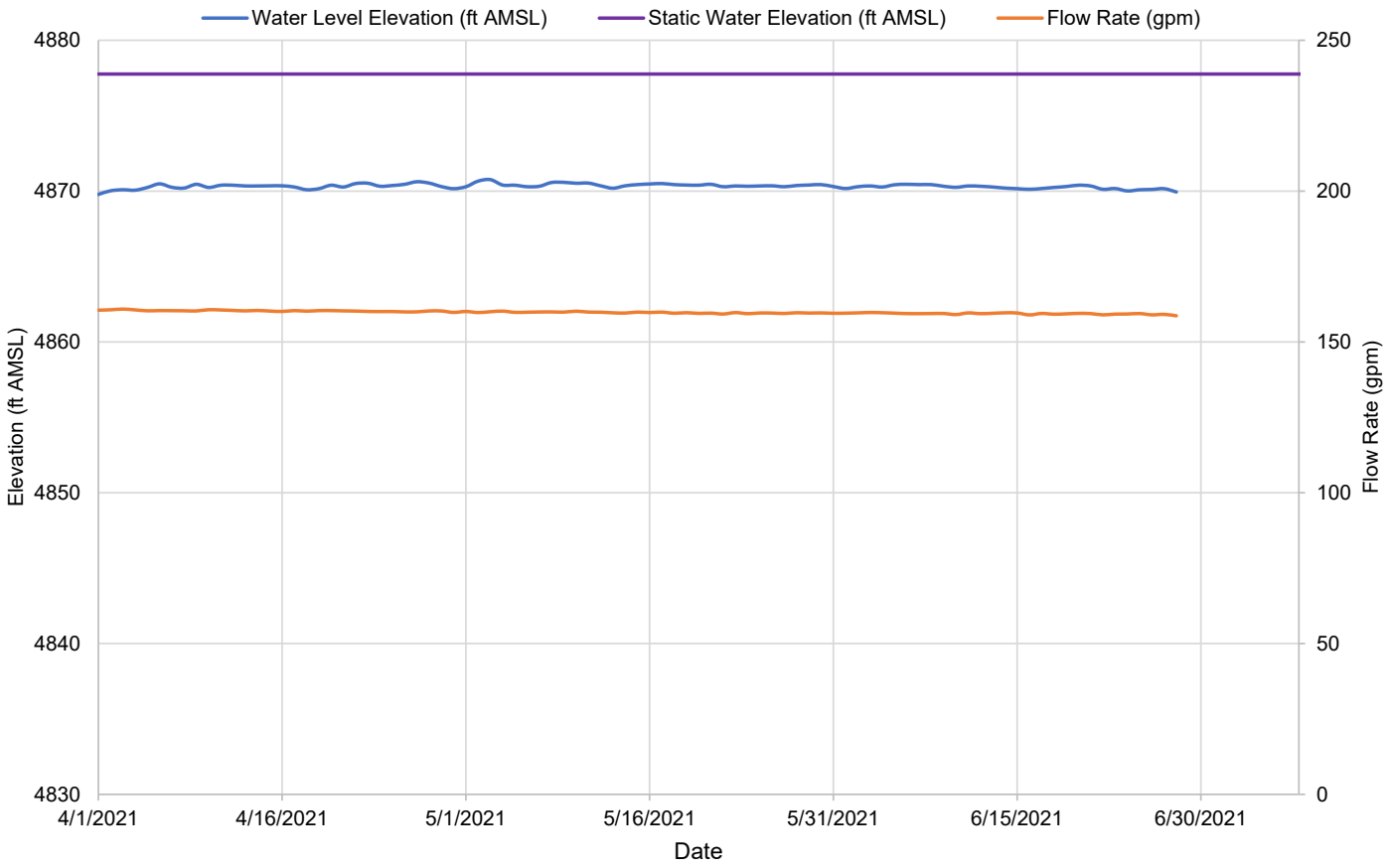
Wate
Static water elevation is approximately groundwater elevation when GWTS is non-operational.
AMSL = above mean sea level
ft = foot/feet
gpm = gallons per minute

Figure J-1-3
KAFB-106228



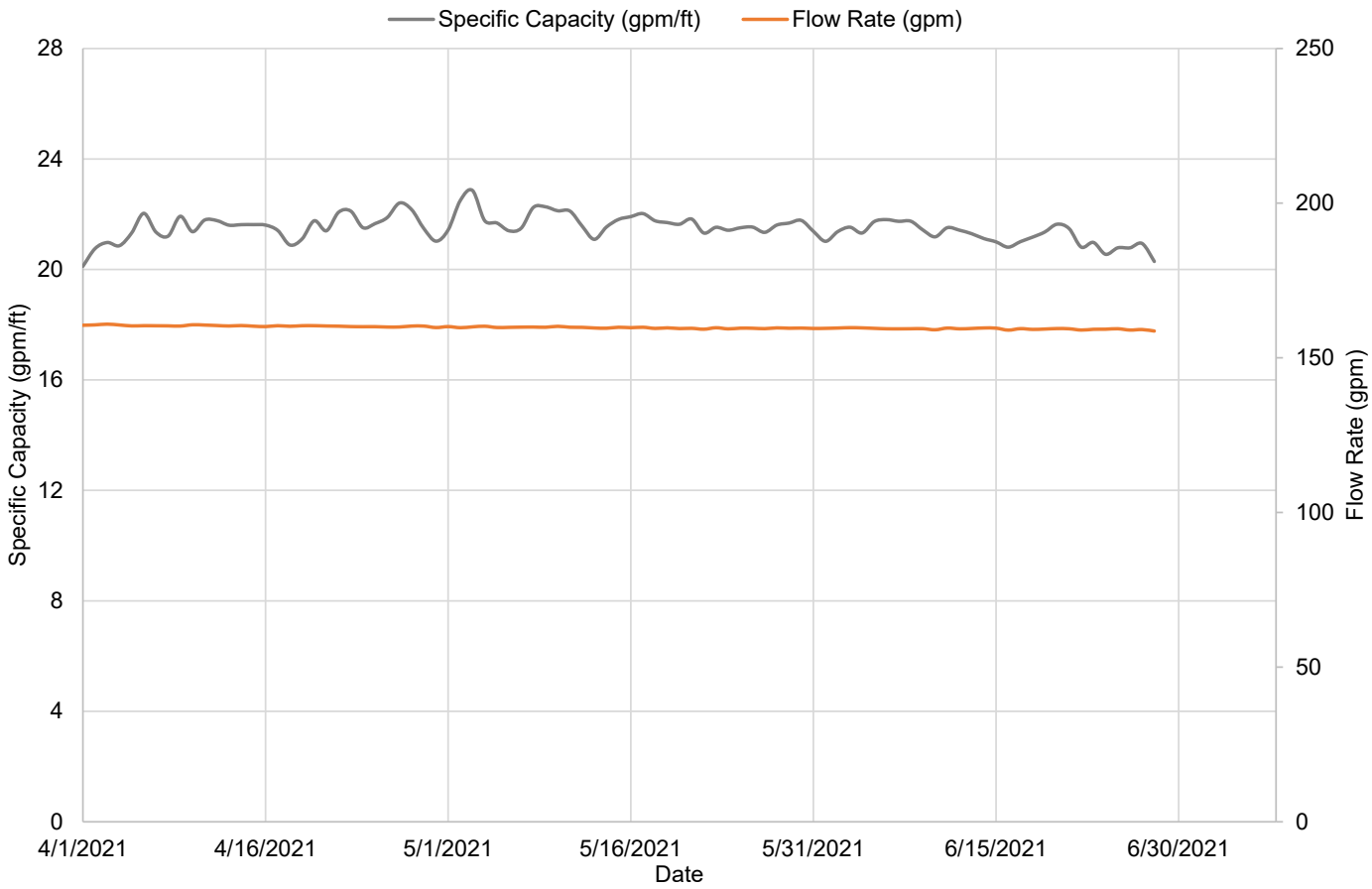
Flow rate is graphed from daily values.
ft = foot/feet
gpm = gallons per minute

Figure J-1-4
KAFB-106233



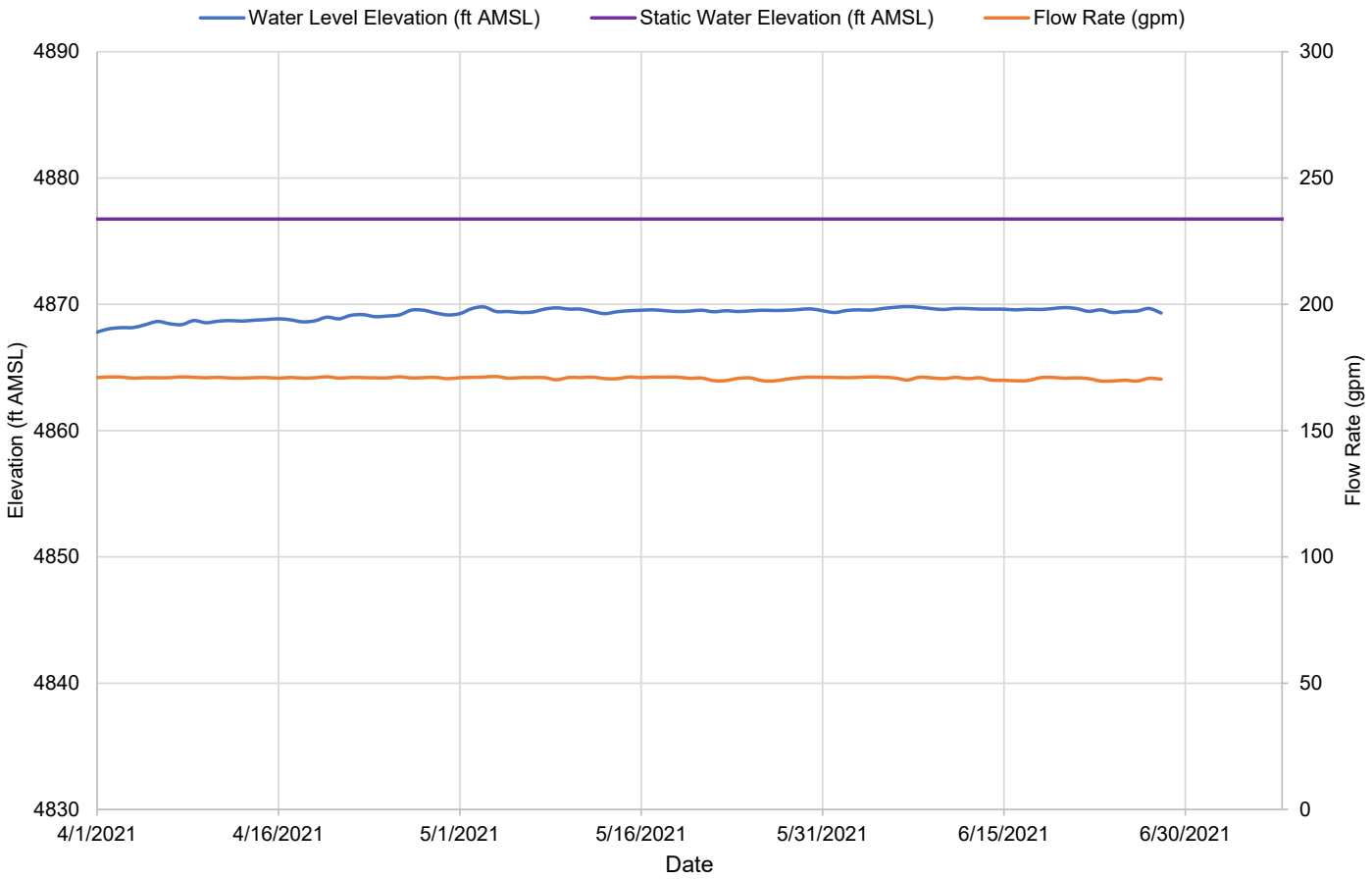
Water level elevation and flow rate are graphed from daily values.
Static water elevation is approximately groundwater elevation when GWTS is non-operational.
AMSL = above mean sea level
ft = foot/feet
gpm = gallons per minute

Figure J-1-5
KAFB-106233



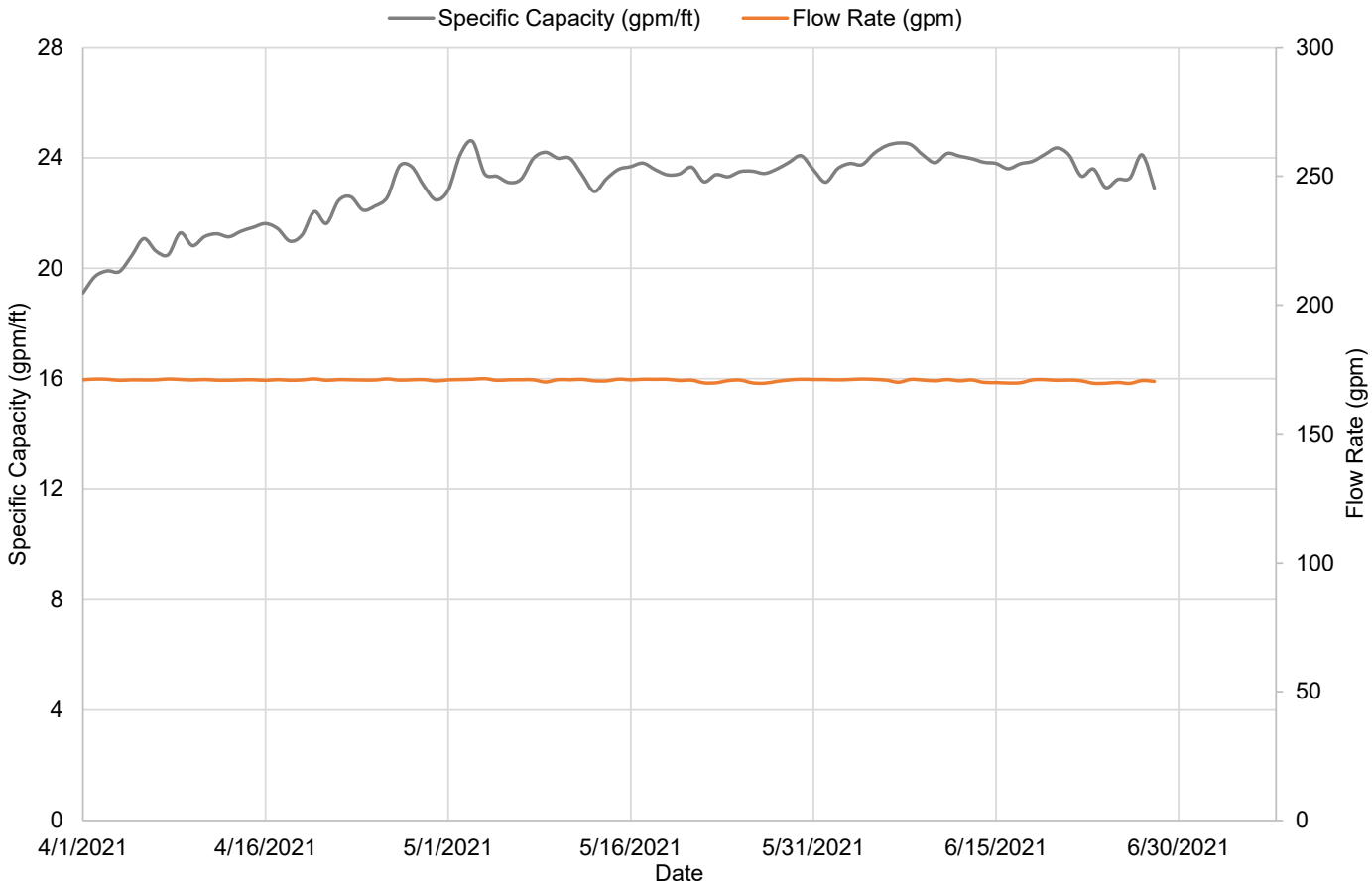
Flow rate is graphed from daily values.
ft = foot/feet
gpm = gallons per minute

Figure J-1-6
KAFB-106234



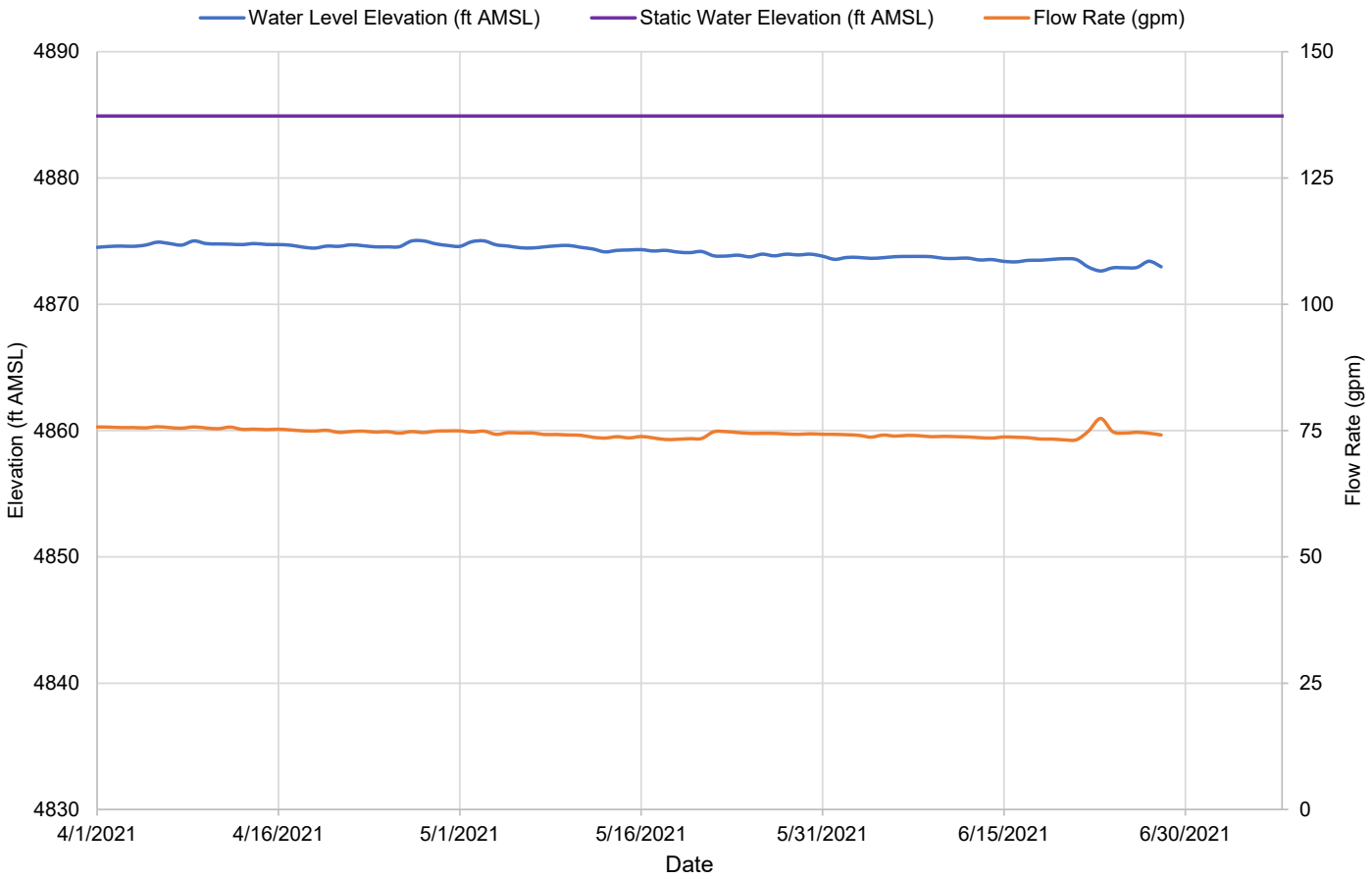
Water level and flow rate are graphed from daily values.
Static water elevation is approximately groundwater elevation when GWTS is non-operational.
AMSL = above mean sea level
ft = foot/feet
gpm = gallons per minute

Figure J-1-7
KAFB-106234



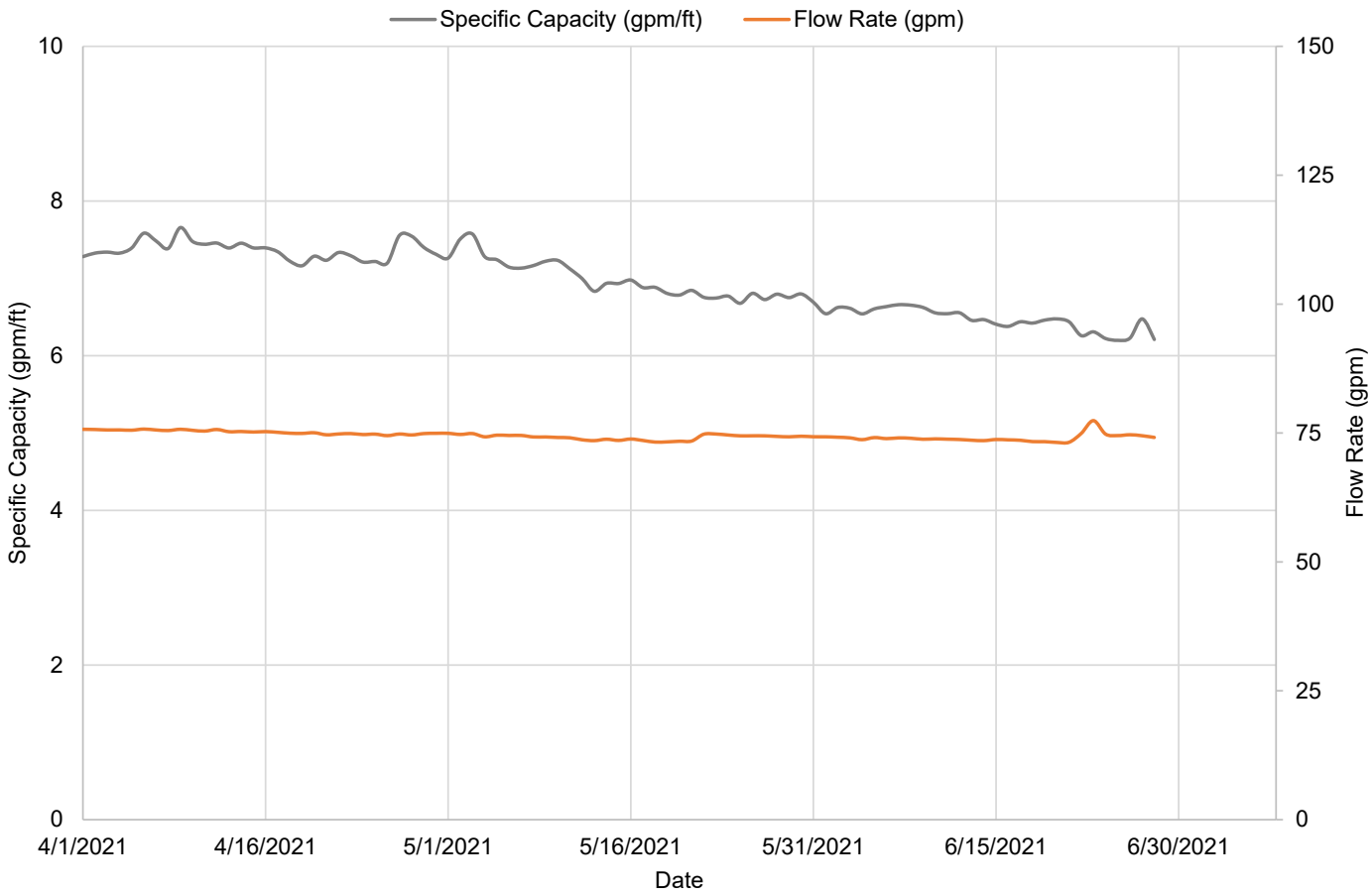
Flow rate is graphed from daily values.
ft = foot/feet
gpm = gallons per minute

Figure J-1-8
KAFB-106239



Water level and flow rate are graphed from daily values.
Static water elevation is approximately groundwater elevation when GWTS is non-operational.
AMSL = above mean sea level
ft = foot/feet
gpm = gallons per minute

Figure J-1-9
KAFB-106239



Flow rate is graphed from daily values.
ft = foot/feet
gpm = gallons per minute

Q2 2021 WELL PERFORMANCE TABLES

Table J-1-1
Extraction Well KAFB-106228 Performance Figure Data, Q2 2021

Date	Flow Rate (gpm)	WL Elevation (ft AMSL)	Drawdown (ft)	Specific Capacity (gpm/ft)	Transmissivity (gal/d•ft)
4/1/2021	135.69	4858.17	19.59	6.93	10389.74
4/2/2021	135.55	4858.16	19.60	6.92	10373.72
4/3/2021	135.64	4858.08	19.68	6.89	10338.41
4/4/2021	135.28	4858.14	19.62	6.90	10342.51
4/5/2021	135.09	4858.22	19.54	6.91	10370.27
4/6/2021	135.37	4858.52	19.24	7.04	10553.79
4/7/2021	135.05	4858.36	19.40	6.96	10442.01
4/8/2021	134.85	4858.18	19.58	6.89	10330.69
4/9/2021	134.91	4858.58	19.18	7.03	10550.83
4/10/2021	134.68	4858.52	19.24	7.00	10500.00
4/11/2021	134.68	4858.38	19.38	6.95	10424.15
4/12/2021	134.82	4858.25	19.51	6.91	10365.45
4/13/2021	134.88	4858.34	19.42	6.95	10418.13
4/14/2021	134.88	4858.62	19.14	7.05	10570.53
4/15/2021	134.50	4858.67	19.09	7.05	10568.36
4/16/2021	134.50	4858.68	19.08	7.05	10573.90
4/17/2021	134.67	4858.58	19.18	7.02	10532.06
4/18/2021	134.45	4858.36	19.40	6.93	10395.62
4/19/2021	134.80	4858.20	19.56	6.89	10337.42
4/20/2021	134.67	4858.29	19.47	6.92	10375.19
4/21/2021	134.61	4858.25	19.51	6.90	10349.31
4/22/2021	134.53	4858.50	19.26	6.98	10477.41
4/23/2021	134.48	4858.36	19.40	6.93	10397.94
4/24/2021	134.35	4858.21	19.55	6.87	10308.18
4/25/2021	134.13	4858.28	19.48	6.89	10328.29
4/26/2021	134.62	4858.17	19.59	6.87	10307.81
4/27/2021	134.48	4858.78	18.98	7.09	10628.03
4/28/2021	134.36	4859.27	18.49	7.27	10899.95
4/29/2021	134.88	4859.15	18.61	7.25	10871.57
4/30/2021	134.50	4859.11	18.65	7.21	10817.69
5/1/2021	134.76	4858.89	18.87	7.14	10712.24
5/2/2021	134.45	4859.11	18.65	7.21	10813.67
5/3/2021	134.94	4859.15	18.61	7.25	10876.41
5/4/2021	134.74	4858.74	19.02	7.08	10626.18
5/5/2021	134.33	4858.77	18.99	7.07	10610.58
5/6/2021	134.56	4858.51	19.25	6.99	10485.19
5/7/2021	134.39	4858.37	19.39	6.93	10396.34
5/8/2021	134.35	4858.43	19.33	6.95	10425.50
5/9/2021	134.41	4858.59	19.17	7.01	10517.21
5/10/2021	134.77	4858.55	19.21	7.02	10523.43
5/11/2021	133.98	4858.38	19.38	6.91	10369.97
5/12/2021	134.22	4858.05	19.71	6.81	10214.61
5/13/2021	133.93	4857.84	19.92	6.72	10085.09
5/14/2021	133.66	4857.90	19.86	6.73	10095.17
5/15/2021	133.71	4857.92	19.84	6.74	10109.12
5/16/2021	133.61	4857.91	19.85	6.73	10096.47
5/17/2021	133.60	4857.88	19.88	6.72	10080.48

Table J-1-1
Extraction Well KAFB-106228 Performance Figure Data, Q2 2021

Date	Flow Rate (gpm)	WL Elevation (ft AMSL)	Drawdown (ft)	Specific Capacity (gpm/ft)	Transmissivity (gal/d•ft)
5/18/2021	133.63	4857.70	20.06	6.66	9992.27
5/19/2021	133.25	4857.66	20.10	6.63	9944.03
5/20/2021	132.94	4857.67	20.09	6.62	9925.83
5/21/2021	133.22	4857.65	20.11	6.62	9936.85
5/22/2021	132.79	4857.80	19.96	6.65	9979.21
5/23/2021	133.23	4857.72	20.04	6.65	9972.31
5/24/2021	133.08	4857.76	20.00	6.65	9981.00
5/25/2021	133.49	4857.62	20.14	6.63	9942.15
5/26/2021	133.43	4858.04	19.72	6.77	10149.34
5/27/2021	133.19	4857.81	19.95	6.68	10014.29
5/28/2021	133.14	4857.97	19.79	6.73	10091.46
5/29/2021	133.49	4857.77	19.99	6.68	10016.76
5/30/2021	133.34	4857.72	20.04	6.65	9980.54
5/31/2021	133.02	4857.56	20.20	6.59	9877.72
6/1/2021	133.06	4857.27	20.49	6.49	9740.85
6/2/2021	132.90	4857.37	20.39	6.52	9776.85
6/3/2021	133.13	4857.35	20.41	6.52	9784.17
6/4/2021	132.71	4857.26	20.50	6.47	9710.49
6/5/2021	132.52	4857.39	20.37	6.51	9758.47
6/6/2021	132.12	4857.45	20.31	6.51	9757.75
6/7/2021	132.94	4857.67	20.09	6.62	9925.83
6/8/2021	132.85	4857.77	19.99	6.65	9968.73
6/9/2021	132.99	4857.80	19.96	6.66	9994.24
6/10/2021	132.84	4857.58	20.18	6.58	9874.13
6/11/2021	132.93	4857.50	20.26	6.56	9841.81
6/12/2021	132.73	4857.43	20.33	6.53	9793.16
6/13/2021	132.94	4857.26	20.50	6.48	9727.32
6/14/2021	132.88	4857.35	20.41	6.51	9765.80
6/15/2021	133.00	4857.39	20.37	6.53	9793.81
6/16/2021	132.67	4857.29	20.47	6.48	9721.79
6/17/2021	133.14	4857.15	20.61	6.46	9689.96
6/18/2021	133.20	4857.45	20.31	6.56	9837.52
6/19/2021	133.08	4857.30	20.46	6.50	9756.60
6/20/2021	132.93	4857.47	20.29	6.55	9827.25
6/21/2021	132.58	4857.34	20.42	6.49	9738.98
6/22/2021	132.07	4857.13	20.63	6.40	9602.76
6/23/2021	132.65	4857.63	20.13	6.59	9884.50
6/24/2021	132.61	4857.28	20.48	6.48	9712.65
6/25/2021	132.81	4857.18	20.58	6.45	9680.03
6/26/2021	132.62	4857.13	20.63	6.43	9642.75
6/27/2021	132.48	4857.31	20.45	6.48	9717.36
6/28/2021	132.00	4857.08	20.68	6.38	9574.47

Notes:
AMSL = above mean sea level
d = day
ft = foot/feet
gal = gallon
gpm = gallons per minute
WL = water level

Table J-1-2
Extraction Well KAFB-106233 Performance Figure Data, Q2 2021

Date	Flow Rate (gpm)	WL Elevation (ft AMSL)	Drawdown (ft)	Specific Capacity (gpm/ft)	Transmissivity (gal/d•ft)
4/1/2021	160.53	4869.78	7.98	20.12	30174.81
4/2/2021	160.65	4870.02	7.74	20.76	31133.72
4/3/2021	160.88	4870.09	7.67	20.98	31462.84
4/4/2021	160.62	4870.06	7.70	20.86	31289.61
4/5/2021	160.32	4870.24	7.52	21.32	31978.72
4/6/2021	160.39	4870.48	7.28	22.03	33047.39
4/7/2021	160.36	4870.25	7.51	21.35	32029.29
4/8/2021	160.33	4870.20	7.56	21.21	31811.51
4/9/2021	160.27	4870.45	7.31	21.92	32887.14
4/10/2021	160.68	4870.24	7.52	21.37	32050.53
4/11/2021	160.59	4870.39	7.37	21.79	32684.53
4/12/2021	160.44	4870.39	7.37	21.77	32654.00
4/13/2021	160.29	4870.34	7.42	21.60	32403.64
4/14/2021	160.43	4870.34	7.42	21.62	32431.94
4/15/2021	160.23	4870.35	7.41	21.62	32435.22
4/16/2021	160.10	4870.35	7.41	21.61	32408.91
4/17/2021	160.38	4870.27	7.49	21.41	32118.83
4/18/2021	160.20	4870.09	7.67	20.89	31329.86
4/19/2021	160.38	4870.16	7.60	21.10	31653.95
4/20/2021	160.39	4870.39	7.37	21.76	32643.83
4/21/2021	160.29	4870.27	7.49	21.40	32100.80
4/22/2021	160.23	4870.50	7.26	22.07	33105.37
4/23/2021	160.10	4870.52	7.24	22.11	33169.89
4/24/2021	160.06	4870.32	7.44	21.51	32270.16
4/25/2021	160.07	4870.37	7.39	21.66	32490.53
4/26/2021	159.95	4870.45	7.31	21.88	32821.48
4/27/2021	159.97	4870.62	7.14	22.40	33607.14
4/28/2021	160.26	4870.53	7.23	22.17	33248.96
4/29/2021	160.26	4870.30	7.46	21.48	32223.86
4/30/2021	159.78	4870.16	7.60	21.02	31535.53
5/1/2021	160.09	4870.29	7.47	21.43	32146.59
5/2/2021	159.74	4870.66	7.10	22.50	33747.89
5/3/2021	160.01	4870.76	7.00	22.86	34287.86
5/4/2021	160.21	4870.40	7.36	21.77	32651.49
5/5/2021	159.80	4870.39	7.37	21.68	32523.74
5/6/2021	159.85	4870.29	7.47	21.40	32098.39
5/7/2021	159.92	4870.32	7.44	21.49	32241.94
5/8/2021	159.95	4870.57	7.19	22.25	33369.26
5/9/2021	159.88	4870.58	7.18	22.27	33401.11
5/10/2021	160.18	4870.52	7.24	22.12	33186.46
5/11/2021	159.89	4870.53	7.23	22.11	33172.20
5/12/2021	159.85	4870.35	7.41	21.57	32358.30
5/13/2021	159.65	4870.19	7.57	21.09	31634.74
5/14/2021	159.57	4870.35	7.41	21.53	32301.62
5/15/2021	159.88	4870.43	7.33	21.81	32717.60
5/16/2021	159.74	4870.47	7.29	21.91	32868.31
5/17/2021	159.88	4870.50	7.26	22.02	33033.06
5/18/2021	159.51	4870.43	7.33	21.76	32641.88
5/19/2021	159.69	4870.40	7.36	21.70	32545.52
5/20/2021	159.46	4870.39	7.37	21.64	32454.55

Table J-1-2
Extraction Well KAFB-106233 Performance Figure Data, Q2 2021

Date	Flow Rate (gpm)	WL Elevation (ft AMSL)	Drawdown (ft)	Specific Capacity (gpm/ft)	Transmissivity (gal/d•ft)
5/21/2021	159.54	4870.45	7.31	21.82	32737.35
5/22/2021	159.25	4870.29	7.47	21.32	31977.91
5/23/2021	159.72	4870.34	7.42	21.53	32288.41
5/24/2021	159.36	4870.32	7.44	21.42	32129.03
5/25/2021	159.59	4870.34	7.42	21.51	32262.13
5/26/2021	159.56	4870.35	7.41	21.53	32299.60
5/27/2021	159.43	4870.29	7.47	21.34	32014.06
5/28/2021	159.68	4870.37	7.39	21.61	32411.37
5/29/2021	159.56	4870.40	7.36	21.68	32519.02
5/30/2021	159.62	4870.43	7.33	21.78	32664.39
5/31/2021	159.49	4870.30	7.46	21.38	32069.03
6/1/2021	159.53	4870.17	7.59	21.02	31527.67
6/2/2021	159.63	4870.29	7.47	21.37	32054.22
6/3/2021	159.75	4870.34	7.42	21.53	32294.47
6/4/2021	159.68	4870.27	7.49	21.32	31978.64
6/5/2021	159.53	4870.42	7.34	21.73	32601.50
6/6/2021	159.39	4870.45	7.31	21.80	32706.57
6/7/2021	159.37	4870.43	7.33	21.74	32613.23
6/8/2021	159.40	4870.43	7.33	21.75	32619.37
6/9/2021	159.42	4870.32	7.44	21.43	32141.13
6/10/2021	159.07	4870.25	7.51	21.18	31771.64
6/11/2021	159.62	4870.34	7.42	21.51	32268.19
6/12/2021	159.37	4870.32	7.44	21.42	32131.05
6/13/2021	159.49	4870.27	7.49	21.29	31940.59
6/14/2021	159.65	4870.20	7.56	21.12	31676.59
6/15/2021	159.59	4870.16	7.60	21.00	31498.03
6/16/2021	158.96	4870.12	7.64	20.81	31209.42
6/17/2021	159.43	4870.17	7.59	21.01	31507.91
6/18/2021	159.19	4870.24	7.52	21.17	31753.32
6/19/2021	159.30	4870.30	7.46	21.35	32030.83
6/20/2021	159.46	4870.39	7.37	21.64	32454.55
6/21/2021	159.39	4870.34	7.42	21.48	32221.70
6/22/2021	158.98	4870.12	7.64	20.81	31213.35
6/23/2021	159.22	4870.17	7.59	20.98	31466.40
6/24/2021	159.25	4870.01	7.75	20.55	30822.58
6/25/2021	159.40	4870.09	7.67	20.78	31173.40
6/26/2021	158.98	4870.11	7.65	20.78	31172.55
6/27/2021	159.14	4870.16	7.60	20.94	31409.21
6/28/2021	158.66	4869.94	7.82	20.29	30433.50

Notes:
AMSL = above mean sea level
d = day
ft = foot/feet
gal = gallon
gpm = gallons per minute
WL = water level

Table J-1-3
Extraction Well KAFB-106234 Performance Figure Data, Q2 2021

Date	Flow Rate (gpm)	WL Elevation (ft AMSL)	Drawdown (ft)	Specific Capacity (gpm/ft)	Transmissivity (gal/d•ft)
4/1/2021	170.99	4867.80	8.95	19.11	28657.54
4/2/2021	171.24	4868.06	8.69	19.71	29558.11
4/3/2021	171.17	4868.15	8.60	19.90	29855.23
4/4/2021	170.77	4868.16	8.59	19.88	29820.14
4/5/2021	170.95	4868.39	8.36	20.45	30672.85
4/6/2021	170.91	4868.64	8.11	21.07	31610.97
4/7/2021	170.95	4868.46	8.29	20.62	30931.85
4/8/2021	171.28	4868.39	8.36	20.49	30732.06
4/9/2021	171.09	4868.71	8.04	21.28	31919.78
4/10/2021	170.91	4868.54	8.21	20.82	31225.94
4/11/2021	171.08	4868.66	8.09	21.15	31720.64
4/12/2021	170.82	4868.71	8.04	21.25	31869.40
4/13/2021	170.80	4868.67	8.08	21.14	31707.92
4/14/2021	170.94	4868.74	8.01	21.34	32011.24
4/15/2021	171.00	4868.79	7.96	21.48	32223.62
4/16/2021	170.77	4868.85	7.90	21.62	32424.68
4/17/2021	171.03	4868.77	7.98	21.43	32148.50
4/18/2021	170.79	4868.61	8.14	20.98	31472.36
4/19/2021	170.92	4868.69	8.06	21.21	31808.93
4/20/2021	171.31	4868.98	7.77	22.05	33071.43
4/21/2021	170.79	4868.85	7.90	21.62	32428.48
4/22/2021	171.05	4869.13	7.62	22.45	33671.26
4/23/2021	170.97	4869.18	7.57	22.59	33877.81
4/24/2021	170.88	4869.02	7.73	22.11	33159.12
4/25/2021	170.89	4869.07	7.68	22.25	33376.95
4/26/2021	171.29	4869.16	7.59	22.57	33851.78
4/27/2021	170.85	4869.54	7.21	23.70	35544.38
4/28/2021	170.97	4869.53	7.22	23.68	35520.08
4/29/2021	171.05	4869.31	7.44	22.99	34485.89
4/30/2021	170.56	4869.16	7.59	22.47	33707.51
5/1/2021	170.94	4869.26	7.49	22.82	34233.64
5/2/2021	171.06	4869.66	7.09	24.13	36190.41
5/3/2021	171.18	4869.79	6.96	24.59	36892.24
5/4/2021	171.41	4869.43	7.32	23.42	35125.00
5/5/2021	170.77	4869.43	7.32	23.33	34993.85
5/6/2021	170.97	4869.35	7.40	23.10	34656.08
5/7/2021	170.99	4869.39	7.36	23.23	34848.51
5/8/2021	170.97	4869.62	7.13	23.98	35968.44
5/9/2021	170.13	4869.72	7.03	24.20	36300.85
5/10/2021	171.03	4869.62	7.13	23.99	35981.07
5/11/2021	170.99	4869.62	7.13	23.98	35972.65
5/12/2021	171.14	4869.43	7.32	23.38	35069.67
5/13/2021	170.59	4869.26	7.49	22.78	34163.55
5/14/2021	170.56	4869.41	7.34	23.24	34855.59
5/15/2021	171.21	4869.49	7.26	23.58	35373.97
5/16/2021	170.97	4869.53	7.22	23.68	35520.08
5/17/2021	171.18	4869.56	7.19	23.81	35712.10
5/18/2021	171.14	4869.49	7.26	23.57	35359.50
5/19/2021	171.17	4869.43	7.32	23.38	35075.82
5/20/2021	170.71	4869.46	7.29	23.42	35125.51

Table J-1-3
Extraction Well KAFB-106234 Performance Figure Data, Q2 2021

Date	Flow Rate (gpm)	WL Elevation (ft AMSL)	Drawdown (ft)	Specific Capacity (gpm/ft)	Transmissivity (gal/d•ft)
5/21/2021	170.82	4869.53	7.22	23.66	35488.92
5/22/2021	169.79	4869.41	7.34	23.13	34698.23
5/23/2021	169.81	4869.49	7.26	23.39	35084.71
5/24/2021	170.66	4869.43	7.32	23.31	34971.31
5/25/2021	170.86	4869.48	7.27	23.50	35253.09
5/26/2021	169.78	4869.53	7.22	23.52	35272.85
5/27/2021	169.66	4869.51	7.24	23.43	35150.55
5/28/2021	170.36	4869.53	7.22	23.60	35393.35
5/29/2021	170.91	4869.58	7.17	23.84	35755.23
5/30/2021	171.17	4869.64	7.11	24.07	36111.81
5/31/2021	171.09	4869.49	7.26	23.57	35349.17
6/1/2021	171.06	4869.35	7.40	23.12	34674.32
6/2/2021	170.94	4869.51	7.24	23.61	35415.75
6/3/2021	171.08	4869.56	7.19	23.79	35691.24
6/4/2021	171.26	4869.54	7.21	23.75	35629.68
6/5/2021	171.12	4869.67	7.08	24.17	36254.24
6/6/2021	170.83	4869.76	6.99	24.44	36658.80
6/7/2021	170.04	4869.82	6.93	24.54	36805.19
6/8/2021	171.12	4869.76	6.99	24.48	36721.03
6/9/2021	170.89	4869.66	7.09	24.10	36154.44
6/10/2021	170.59	4869.59	7.16	23.83	35738.13
6/11/2021	171.06	4869.67	7.08	24.16	36241.53
6/12/2021	170.59	4869.66	7.09	24.06	36090.97
6/13/2021	170.91	4869.62	7.13	23.97	35955.82
6/14/2021	169.98	4869.62	7.13	23.84	35760.17
6/15/2021	169.90	4869.61	7.14	23.80	35693.28
6/16/2021	169.72	4869.56	7.19	23.61	35407.51
6/17/2021	169.83	4869.61	7.14	23.79	35678.57
6/18/2021	170.94	4869.59	7.16	23.87	35811.45
6/19/2021	171.05	4869.66	7.09	24.13	36188.29
6/20/2021	170.76	4869.74	7.01	24.36	36539.23
6/21/2021	170.88	4869.66	7.09	24.10	36152.33
6/22/2021	170.59	4869.44	7.31	23.34	35004.79
6/23/2021	169.64	4869.56	7.19	23.59	35390.82
6/24/2021	169.63	4869.35	7.40	22.92	34384.46
6/25/2021	169.95	4869.43	7.32	23.22	34825.82
6/26/2021	169.60	4869.46	7.29	23.26	34897.12
6/27/2021	170.70	4869.67	7.08	24.11	36165.25
6/28/2021	170.36	4869.31	7.44	22.90	34346.77

Notes:
AMSL = above mean sea level
d = day
ft = foot/feet
gal = gallon
gpm = gallons per minute
WL = water level

Table J-1-4
Extraction Well KAFB-106239 Performance Figure Data, Q2 2021

Date	Flow Rate (gpm)	WL Elevation (ft AMSL)	Drawdown (ft)	Specific Capacity (gpm/ft)	Transmissivity (gal/d•ft)
4/1/2021	75.72	4874.51	10.40	7.28	10921.15
4/2/2021	75.68	4874.58	10.33	7.33	10989.35
4/3/2021	75.59	4874.61	10.30	7.34	11008.25
4/4/2021	75.60	4874.59	10.32	7.33	10988.37
4/5/2021	75.54	4874.69	10.22	7.39	11087.08
4/6/2021	75.76	4874.92	9.99	7.58	11375.38
4/7/2021	75.59	4874.81	10.10	7.48	11226.24
4/8/2021	75.48	4874.69	10.22	7.39	11078.28
4/9/2021	75.72	4875.02	9.89	7.66	11484.33
4/10/2021	75.52	4874.81	10.10	7.48	11215.84
4/11/2021	75.37	4874.78	10.13	7.44	11160.41
4/12/2021	75.68	4874.76	10.15	7.46	11184.24
4/13/2021	75.25	4874.73	10.18	7.39	11087.92
4/14/2021	75.29	4874.81	10.10	7.45	11181.68
4/15/2021	75.19	4874.74	10.17	7.39	11089.97
4/16/2021	75.27	4874.73	10.18	7.39	11090.86
4/17/2021	75.13	4874.68	10.23	7.34	11016.13
4/18/2021	74.96	4874.53	10.38	7.22	10832.37
4/19/2021	74.92	4874.45	10.46	7.16	10743.79
4/20/2021	75.05	4874.61	10.30	7.29	10929.61
4/21/2021	74.65	4874.59	10.32	7.23	10850.29
4/22/2021	74.81	4874.71	10.20	7.33	11001.47
4/23/2021	74.89	4874.64	10.27	7.29	10938.17
4/24/2021	74.70	4874.55	10.36	7.21	10815.64
4/25/2021	74.78	4874.55	10.36	7.22	10827.22
4/26/2021	74.49	4874.56	10.35	7.20	10795.65
4/27/2021	74.80	4875.01	9.90	7.56	11333.33
4/28/2021	74.62	4875.02	9.89	7.54	11317.49
4/29/2021	74.89	4874.79	10.12	7.40	11100.30
4/30/2021	74.94	4874.66	10.25	7.31	10966.83
5/1/2021	74.94	4874.59	10.32	7.26	10892.44
5/2/2021	74.72	4874.96	9.95	7.51	11264.32
5/3/2021	74.89	4875.02	9.89	7.57	11358.44
5/4/2021	74.26	4874.71	10.20	7.28	10920.59
5/5/2021	74.58	4874.61	10.30	7.24	10861.17
5/6/2021	74.52	4874.48	10.43	7.14	10717.16
5/7/2021	74.53	4874.46	10.45	7.13	10698.09
5/8/2021	74.23	4874.55	10.36	7.17	10747.59
5/9/2021	74.23	4874.63	10.28	7.22	10831.23
5/10/2021	74.13	4874.66	10.25	7.23	10848.29
5/11/2021	74.07	4874.51	10.40	7.12	10683.17
5/12/2021	73.68	4874.38	10.53	7.00	10495.73
5/13/2021	73.52	4874.15	10.76	6.83	10249.07
5/14/2021	73.79	4874.27	10.64	6.94	10402.73
5/15/2021	73.56	4874.30	10.61	6.93	10399.62
5/16/2021	73.83	4874.33	10.58	6.98	10467.39
5/17/2021	73.55	4874.22	10.69	6.88	10320.39
5/18/2021	73.24	4874.27	10.64	6.88	10325.19
5/19/2021	73.28	4874.14	10.77	6.80	10206.13
5/20/2021	73.40	4874.09	10.82	6.78	10175.60

Table J-1-4
Extraction Well KAFB-106239 Performance Figure Data, Q2 2021

Date	Flow Rate (gpm)	WL Elevation (ft AMSL)	Drawdown (ft)	Specific Capacity (gpm/ft)	Transmissivity (gal/d•ft)
5/21/2021	73.44	4874.18	10.73	6.84	10266.54
5/22/2021	74.77	4873.84	11.07	6.75	10131.44
5/23/2021	74.80	4873.82	11.09	6.74	10117.22
5/24/2021	74.61	4873.89	11.02	6.77	10155.63
5/25/2021	74.45	4873.76	11.15	6.68	10015.70
5/26/2021	74.46	4873.97	10.94	6.81	10209.32
5/27/2021	74.45	4873.84	11.07	6.73	10088.08
5/28/2021	74.34	4873.97	10.94	6.80	10192.87
5/29/2021	74.26	4873.91	11.00	6.75	10126.36
5/30/2021	74.37	4873.97	10.94	6.80	10196.98
5/31/2021	74.27	4873.81	11.10	6.69	10036.49
6/1/2021	74.26	4873.56	11.35	6.54	9814.10
6/2/2021	74.18	4873.71	11.20	6.62	9934.82
6/3/2021	74.06	4873.71	11.20	6.61	9918.75
6/4/2021	73.71	4873.64	11.27	6.54	9810.56
6/5/2021	74.11	4873.69	11.22	6.61	9907.75
6/6/2021	73.91	4873.77	11.14	6.63	9951.97
6/7/2021	74.05	4873.79	11.12	6.66	9988.76
6/8/2021	73.98	4873.79	11.12	6.65	9979.32
6/9/2021	73.79	4873.77	11.14	6.62	9935.82
6/10/2021	73.86	4873.64	11.27	6.55	9830.52
6/11/2021	73.80	4873.63	11.28	6.54	9813.83
6/12/2021	73.74	4873.66	11.25	6.55	9832.00
6/13/2021	73.60	4873.51	11.40	6.46	9684.21
6/14/2021	73.52	4873.54	11.37	6.47	9699.21
6/15/2021	73.74	4873.40	11.51	6.41	9609.90
6/16/2021	73.67	4873.36	11.55	6.38	9567.53
6/17/2021	73.59	4873.48	11.43	6.44	9657.48
6/18/2021	73.33	4873.49	11.42	6.42	9631.79
6/19/2021	73.32	4873.56	11.35	6.46	9689.87
6/20/2021	73.17	4873.61	11.30	6.48	9712.83
6/21/2021	73.20	4873.54	11.37	6.44	9656.99
6/22/2021	74.92	4872.94	11.97	6.26	9388.47
6/23/2021	77.40	4872.64	12.27	6.31	9462.10
6/24/2021	74.78	4872.89	12.02	6.22	9331.95
6/25/2021	74.50	4872.89	12.02	6.20	9297.00
6/26/2021	74.66	4872.92	11.99	6.23	9340.28
6/27/2021	74.47	4873.41	11.50	6.48	9713.48
6/28/2021	74.14	4872.97	11.94	6.21	9314.07

Notes:
AMSL = above mean sea level
d = day
ft = foot/feet
gal = gallon
gpm = gallons per minute
WL = water level

DAILY INSPECTIONS AND RECORD FORMS

Daily and Weekly Inspection Log for the Kirtland AFB GWTS

Location	Component	Item	Normal Range	Recordation Frequency	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
					3/29/21	3/30/21	3/31/21	4/1/21	4/2/21	/ /	/ /
					Time: 1125	0723	1513	1522	1032		
HMI	Well KAFB-106228	GW flow, FT-3001 (gpm)	0-200 gpm	Daily	136	136	135	135	135		
		Wellhead Pressure (psig)	< 150 psig	Daily	62.7 63.90	62.8	62.5	62.5	62.4		
		Water Level Above Transducer (ft)	---	Daily	10.56	10.60	10.61	10.39	10.34		
	Well KAFB-106233	GW flow, FT-7001 (gpm)	0-200 gpm	Daily	160	161	161	160	160		
		Wellhead Pressure (psig)	< 150 psig	Daily	22.7 22.83	22.8	22.7	22.8	22.7		
		Water Level Above Transducer (ft)	---	Daily	32.08	32.28	31.90	31.97	32.05		
	Well KAFB-106234	GW flow, FI-7002(gpm)	0-200 gpm	Daily	171	171	171	171	170		
		Wellhead Pressure (psig)	< 150 psig	Daily	22.9 22.88	22.9	22.9	22.9	22.9		
		Water Level Above Transducer (ft)	---	Daily	22.23	22.43	22.15	22.20	22.30		
	Well KAFB-106239	GW flow, FI-7002(gpm)	0-200 gpm	Daily	76	76	76	76	76		
		Wellhead Pressure (psig)	< 150 psig	Daily	48.7 48.66	48.6	48.7	48.7	48.8		
		Water Level Above Transducer (ft)	---	Daily	17.32	17.49	17.27	17.11	17.22		
	Influent Pump Skid (1)	GW flow (gpm)	0-400 gpm	Daily	335	335	335	335	335		
		Totalizer (1000 gal)	---	Daily	530379708	530796880	531475808	531957608	532359834		
		Bag filter differential pressure, F112A, PDI-3102A	<15 psid	Daily	0.32	0.32	0.32	0.32	0.32		
		Bag filter differential pressure, F112B, PDI-3102B	<15 psid	Daily	0.33	0.33	0.34	0.34	0.34		
	Influent Pump Skid (2)	GW flow (gpm)	0-400 gpm	Daily	215	216	215	215	215		
		Totalizer (1000 gal)	---	Daily	353569536	353845400	354215880	354611840	354878208		
		Bag filter differential pressure, F-212A, PDI-3202A	<15 psid	Daily	0.07	0.07	0.07	0.07	0.07		
		Bag filter differential pressure, F-212B, PDI-3202B	<15 psid	Daily	0.04	0.04	0.04	0.03	0.03		
	Effluent Skid Pump (1)	GW flow (gpm)	0-400 gpm	Daily	339	339	338	338	338		
		Totalizer (1000 gal)	---	Daily	582649376	583201120	584061080	584739 088	585271976		
	Effluent Skid Pump (2)	GW flow (gpm)	0-400 gpm	Daily	218	218	219	219	219		
		Totalizer (1000 gal)	---	Daily	446408568	446676888	447095456	447425276	447684016		
	Injection Well KAFB-7	Pressure (psig)	0-120 psig	Daily	0.8	0.8	0.8	0.7	0.8		
		Water Level Above Transducer (ft)	10-100 ft	Daily	57.27	57.57	56.89	56.89	57.09		
	Injection Well KAFB-IN2	Upstream Pressure (psig)	0-120 psig	Daily	15.5	15.3	1.6	0.8	0.1		
		Downstream Pressure (psig)	0-120 psig	Daily	13.4	12.7	0.9	0.8	0.8		
		Water Level Above Transducer (ft)	10-100 ft	Daily	75'	81'	13	13'	13'		
	Golf Course Pond	Pond Level (ft)	0.7-3.5 ft	Daily	3.95	3.69	3.03	3.18	3.48		
HIMs	Influent Pump Skid (1)	Frequency (Hz, P112A | B)	>30 Hz	Daily	47.07 | 47.09	46.98 | 46.71	48.54 | 48.57	48.31 | 48.32	48.10 | 48.12		
		Amperage (A, P112A | B)	>10 A	Daily	10.7 | 10.9	10.6 | 10.8	11.2 | 11.4	11.0 | 11.2	11.0 | 11.2		
		Sand Filter Differential Pressure (psi)	>1 psi	Daily	8	8.5	9.5	11	10.5		
	Influent Pump Skid (2)	Frequency (Hz, P212A | B)	>30 Hz	Daily	44.13 | 44.15	43.30 | 43.36	47.31 | 47.29	47.10 | 44.96	46.81 | 46.81		
		Amperage (A, P212A | B)	>10 A	Daily	9.4 | 9.3	9.3 | 9.2	10.2 | 10.0	9.6 | 9.5	10.0 | 9.9		
		Sand Filter Differential Pressure (psi)	>1 psi	Daily	5	5.1	11	8	10		
	Effluent Pump Skid (1)	Frequency (Hz, P118)	>30 Hz	Daily	48.43	48.26	46.19	46.29	46.04		
		Amperage (A, P118)	>10 A	Daily	16.0	15.9	15.3	15.3	15.3		
	Effluent Pump Skid (2)	Frequency (Hz, P218)	>30 Hz	Daily	43.95	43.64	40.74	42.17	41.61		
		Amperage (A, P218)	>10 A	Daily	12.9	12.8	12.12	12.15	12.12		
Well Control House	Well Vault KAFB-106228	Totalizer (Mgal)	---	Weekly	185.8513	—	—	—	—		
		GW flow, FT-3001 (gpm)	0-200 gpm	Weekly	131.6	—	—	—	—		
	Well Vault KAFB-106239	Totalizer (Mgal)	---	Weekly	105.0445	—	—	—	—		
		GW flow, FT-3001 (gpm)	0-200 gpm	Weekly	76.0	—	—	—	—		
	KAFB-106233	Wellhead Pressure (psig)	< 150 psig	Weekly	94	—	—	—	—		
		GW flow, FT-7001 (gpm)	0-200 gpm	Weekly	160.8	—	—	—	—		
		Totalizer (Mgal)	---	Weekly	234.1098	—	—	—	—		
	KAFB-106234	Wellhead Pressure (psig)	< 150 psig	Weekly	78	—	—	—	—		
		GW flow, FT-7002 (gpm)	0-200 gpm	Weekly	169.8	—	—	—	—		
		Totalizer (Mgal)	---	Weekly	349.5762	—	—	—	—		
	Well Control House	Effluent Line Pressure, PI-7005	< 150 psig	Weekly	22.1	—	—	—	—		
Well Head	KAFB-7	*Totalizer (1000 gal)	---	Weekly	9980 000	—	—	—	—		
		GW flow (gpm)	0-800 gpm	Weekly	—	—	—	—	—		
Well Head	KAFB-IN2	*Totalizer (1000 gal)	---	Weekly	—				6.5340		
		GW flow (gpm)	0-800 gpm	Weekly	—						

Notes:

* The KAFB-7 and KAFB-IN2 Totalizer readings should be recorded weekly as well as on days when the effluent flow is changed between KAFB-7, KAFB-IN2, and the Golf Course Main Pond.

To IN2 Bask. 220psi | To IN2 222 | To GCMP | To GCMP

Daily and Weekly Inspection Log for the Kirtland AFB GWTS

Location	Component	Item	Normal Range	Recordation Frequency	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
					3/29/21	3/30/21	3/31/21	4/1/21	4/2/21	/ /	/ /
					Time: 1119	0713	1502	1513	1020		
GWTS	Influent Pump Skid (Train 1)	Inlet pressure pump skid, PI-3102 (psig)	< 60 psig	Daily	36.5	36.5	40	38.5	38.0		
		Bag filter differential pressure, F112A, PDI-3102A	<15 psid	Daily	0.318	0.319	0.320	0.321	0.325		
		Bag filter differential pressure, F112B, PDI-3102B	<15 psid	Daily	0.332	0.338	0.339	0.338	0.339		
		Sand filter differential pressure, SF-101 (1)	---	Daily	33	32.5	38	35	35		
		Sand filter differential pressure, SF-101 (2)	---	Daily	28	29	30.5	29	28		
		Outlet pressure pump skid, PI-3103 (psig)	< 60 psig	Daily	13.4	13.4	13.4	13.4	13.4		
		GW flow (gpm)	0-500 gpm	Daily	335.7	335.7	335.8	335.7	335.7		
		Totalizer (Mgal)	---	Daily	522,1467	522.5399	523,1522	523,6343	524,0150		
		Bag filters changed?	yes/no	Daily	No	No	No	No	No		
	Influent Pump Skid (Train 2)	Inlet pressure pump skid, PI-3202 (psig)	< 60 psig	Daily	37.5	36.5	44.5	38	42		
		Bag filter differential pressure, F212A	<15 psid	Daily	0.035	0.037	0.034	0.035	0.037		
		Bag filter differential pressure, F212B	<15 psid	Daily	0.072	0.068 0.037	0.071	0.067	0.068		
		Sand filter differential pressure, SF-201 (1)	---	Daily	35	34	41	36	39		
		Sand filter differential pressure, SF-201 (2)	---	Daily	34	32	35	32	32		
		Outlet pressure pump skid,PI-3203, (psig)	< 60 psig	Daily	12.1	13	13.1	12.3	12.2		
		GW flow (gpm)	0-500 gpm	Daily	215.3	215.2	215.4	214.9	215.18		
		Totalizer (Mgal)	---	Daily	429.5407	429,7915	430,1617	430,4871	430,7287		
		Bag filters changed?	yes/no	Daily	No	No	No	No	No		
	GAC (Train 1)	V-114A Pressure, PI-3104A (psig)	0-20 psig	Daily	10.0	10.0	9.7	10.0	9.9		
		Between Tanks, PI-3105 (psig)	0-20 psig	Daily	12.8	12.8	12.7	12.8	12.8		
		V-114B Pressure, PI-3104B (psig)	0-20 psig	Daily	7.9	7.9	7.9	7.8	7.9		
		Which Tank is Lead?	---	Daily	A	A	A	A	A		
		Which Tank is Lag?	---	Daily	B	B	B	B	B		
	GAC (Train 2)	V-214A Pressure (psig)	0-20 psig	Daily	7.8	8.0	8.0	7.9	7.6		
		Between Tanks (psig)	0-20 psig	Daily	11.9	12.5	12.1	12.1	11.9		
		V-214B Pressure (psig)	0-20 psig	Daily	6.0	6.1	6.1	6.0	6.0		
		Which Tank is Lead?	---	Daily	A	A	A	A	A		
		Which Tank is Lag?	---	Daily	B	B	B	B	B		
	Effluent Pump Skid (Train 1)	Inlet press. pump skid, PI-3108 (psig)	< 60 psig	Daily	26.1	26.2	23.8	24.0	23.2		
		Bag filter differential pressure, F-118A	<15 psid	Daily	0	0	0	0	0		
		Bag filter differential pressure, F-118B	<15 psid	Daily	0	0	0	0	0		
		Upstream outlet press. pump tree (psig)	< 60 psig	Daily	22.92	22.86	20.2 21.1209	20.05	19.89		
		GW flow (gpm)	0-500 gpm	Daily	338.2	338.1	338.6	338.5	338.5		
		Totalizer (Mgal)	---	Daily	537,7626	538,1569	538,7707	539,2542	539,6359		
	Effluent Pump Skid (Train 2)	Inlet press. pump skid, PI-3208 (psig)	< 60 psig	Daily	23.9	23.9	21.1	21.1	20.9		
		Bag filter differential pressure, F-218A	<15 psid	Daily	0	0	0	0	0		
		Bag filter differential pressure, F-218B	<15 psid	Daily	0	0	0	0	0		
		Upstream outlet press. pump tree (psig)	< 60 psig	Daily	22.84	22.85	20.19	20.14	19.87		
		GW flow (gpm)	0-500 gpm	Daily	218.5	218.0	218.4	218.2	218.4		
		Totalizer (Mgal)	---	Daily	424,5808	424,8252	425,2133	425,5171	425,7546		
	Backwash System	Clarifier Level (ft)	---	Daily	Cell 2 2.6'	Cell 2 2.6'	Cell 2 2.6'	Cell 2 2.6'	Cell 2 2.6'		
		Clarifier Discharged to Sump?	yes/no	Daily	Yes	No	Yes	No	Yes		
	Main Uninterruptable Power Supply (UPS)	Status Light	---	Daily	Good	Good	Green	Green	Green		
		Comments	---	Daily	Green	Green	Good	Good	Good		
	Sodium Hypochlorite Generator	Upstream Filter Pressure (psi)	>30 psig	Daily							
		Downstream Filter Pressure (psi)	>30 psig	Daily							
		Brine Tank Filled with Salt?	yes/no	Daily							
		Generator Inlet Pressure (psi)	>30 psig	Daily							
		Generator Faulted?	yes/no	Daily			OFF				
		Oxidant Tank Level (ft)	>2 ft	Daily				OFF			
		Train 1 Dosing Pump Faulted?	yes/no	Daily	OFF				OFF		
		Train 2 Dosing Pump Faulted?	yes/no	Daily		OFF					
		Train 1 Free Chlorine (ppm)	0.1 - 0.3 ppm	Daily				0.11			
		Train 2 Free Chlorine (ppm)	0.1 - 0.3 ppm	Daily				0.10			

T2 BW

T2 BW

Pond 2.1' staff Rod 3.36 HWL

AC 76°F
VFD 25.4°C
Amb 53°F
H_2 49 98
Amps 30 65

Notes:

Daily and Weekly Inspection Log for the Kirtland AFB GWTS

Location	Component	Item	Normal Range	Recordation Frequency	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
					4/5/21	4/6/21	4/7/21	4/8/21	4/9/21	/ /	/ /
					Time: 1057	0757	1308	~~135~~ 1322	0921		
HMI	Well KAFB-106228	GW flow, FT-3001 (gpm)	0-200 gpm	Daily	135	135	135	~~62.5~~ 135	135		
		Wellhead Pressure (psig)	< 150 psig	Daily	62.5	62.8	62.3	62.3 6361	62.4		
		Water Level Above Transducer (ft)	---	Daily	10.61	10.56	10.44	10.45	10.56		
	Well KAFB-106233	GW flow, FT-7001 (gpm)	0-200 gpm	Daily	160	161	160	160	160		
		Wellhead Pressure (psig)	< 150 psig	Daily	22.8	22.7	22.7	22.8 2282	22.9		
		Water Level Above Transducer (ft)	---	Daily	32.30	32.44	32.18	32.36	32.20		
	Well KAFB-106234	GW flow, FI-7002(gpm)	0-200 gpm	Daily	170	171	171	171	171		
		Wellhead Pressure (psig)	< 150 psig	Daily	22.8	22.9	22.9	22.9 2293	22.9		
		Water Level Above Transducer (ft)	---	Daily	22.64	22.82	22.58	22.77	22.74		
	Well KAFB-106239	GW flow, FI-7002(gpm)	0-200 gpm	Daily	76	76	76	76	75		
		Wellhead Pressure (psig)	< 150 psig	Daily	48.9	48.8	48.8	48.8 4870	48.7		
		Water Level Above Transducer (ft)	---	Daily	17.39	17.32	17.22	17.22	17.37		
	Influent Pump Skid (1)	GW flow (gpm)	0-400 gpm	Daily	334	335	335	334	335		
		Totalizer (1000 gal)	---	Daily	533765792	534065856	534347516	534814324	535091352		
		Bag filter differential pressure, F112A, PDI-3102A	<15 psid	Daily	0.32	0.32	0.32	0.33	0.32		
		Bag filter differential pressure, F112B, PDI-3102B	<15 psid	Daily	0.34	0.34	0.33	0.34	0.34		
	Influent Pump Skid (2)	GW flow (gpm)	0-400 gpm	Daily	215	216	214	215	215		
		Totalizer (1000 gal)	---	Daily	355876032	356173860	356,573,156	356910880	357182044		
		Bag filter differential pressure, F-212A, PDI-3202A	<15 psid	Daily	0.06	0.07	0.07	0.07	0.07		
		Bag filter differential pressure, F-212B, PDI-3202B	<15 psid	Daily	0.04	0.04	0.04	0.04	0.03		
	Effluent Skid Pump (1)	GW flow (gpm)	0-400 gpm	Daily	338	338	338	338	338		
		Totalizer (1000 gal)	---	Daily	587273960	587570192	588 616792	589354952	589905280		
	Effluent Skid Pump (2)	GW flow (gpm)	0-400 gpm	Daily	220	218	218	217	218		
		Totalizer (1000 gal)	---	Daily	448655592	448946584	449,336,104	449664244	449978008		
	Injection Well KAFB-7	Pressure (psig)	0-120 psig	Daily	0.9	0.9	0.9	0.9	0.9		
		Water Level Above Transducer (ft)	10-100 ft	Daily	57.32	57.42	57.11	57.21	57.27		
	Injection Well KAFB-IN2	Upstream Pressure (psig)	0-120 psig	Daily	0.7	0.1	0.1	0.1	15.9		
		Downstream Pressure (psig)	0-120 psig	Daily	0.8	0.9	0.0	0.8	12.6		
		Water Level Above Transducer (ft)	10-100 ft	Daily	14	13	Faile 13.0	13.0	11.8		
	Golf Course Pond	Pond Level (ft)	0.7-3.5 ft	Daily	2.91	3.03	3.59	3.71	3.32		
HIMs	Influent Pump Skid (1)	Frequency (Hz, P112A | B)	>30 Hz	Daily	46.86 | 46.87	46.21 | 46.18	46.38 | 46.37	46.29 | 46.21	46.72 | 46.48		
		Amperage (A, P112A | B)	>10 A	Daily	10.7 | 10.9	10.5 | 10.7	10.6 | 10.7	10.6 | 10.7	10.6 | 10.8		
		Sand Filter Differential Pressure (psi)	>1 psi	Daily	5.1	6.0	6.0	7	7		
	Influent Pump Skid (2)	Frequency (Hz, P212A | B)	>30 Hz	Daily	45.51 | 45.32	46.30 | 46.25	42.97 | 42.77	44.73 | 44.79	44.79 | 44.75		
		Amperage (A, P212A | B)	>10 A	Daily	9.7 | 9.6	9.9 | 9.9	9.2 | 9.2	9.6 | 9.5	9.5 | 9.4		
		Sand Filter Differential Pressure (psi)	>1 psi	Daily	7.5	9.5	5.0	5.5	8		
	Effluent Pump Skid (1)	Frequency (Hz, P118)	>30 Hz	Daily	46.37	46.49	46.33	46.12	48.41		
		Amperage (A, P118)	>10 A	Daily	15.3	15.3	15.30	15.10	15.9		
	Effluent Pump Skid (2)	Frequency (Hz, P218)	>30 Hz	Daily	41.02	41.75	41.85	41.65	43.60		
		Amperage (A, P218)	>10 A	Daily	12.10	12.13	12.40	12.14	12.7		
Well Vault	KAFB-106228	Totalizer (Mgal)	---	Weekly	—	—	—	187.7560	—		
		GW flow, FT-3001 (gpm)	0-200 gpm	Weekly	—	—	—	130.3	—		
Well Vault	KAFB-106239	Totalizer (Mgal)	---	Weekly	—	—	—	106.1455	—		
		GW flow, FT-3001 (gpm)	0-200 gpm	Weekly	—	—	—	75.8	—		
Well Control House	KAFB-106233	Wellhead Pressure (psig)	< 150 psig	Weekly	—	—	—	94 psi	—		
		GW flow, FT-7001 (gpm)	0-200 gpm	Weekly	—	—	—	160.4	—		
		Totalizer (Mgal)	---	Weekly	—	—	—	236.4495	—		
	KAFB-106234	Wellhead Pressure (psig)	< 150 psig	Weekly	—	—	—	78 psi	—		
		GW flow, FT-7002 (gpm)	0-200 gpm	Weekly	—	—	—	170.0	—		
		Totalizer (Mgal)	---	Weekly	—	—	—	352.0557	—		
	Well Control House	Effluent Line Pressure, PI-7005	< 150 psig	Weekly	—	—	—	22.0	—		
Well Head	KAFB-7	*Totalizer (1000 gal)	---	Weekly	99,800,000	—	—	—	—		
		GW flow (gpm)	0-800 gpm	Weekly	—	—	—	—	—		
Well Head	KAFB-IN2	*Totalizer (1000 gal)	---	Weekly	7.6643	—	—	—	—		
		GW flow (gpm)	0-800 gpm	Weekly	—	—	—	—	—		

Notes:

* The KAFB-7 and KAFB-IN2 Totalizer readings should be recorded weekly as well as on days when the effluent flow is changed between KAFB-7, KAFB-IN2, and the Golf Course Main Pond.

To Pond To Pond To Pond To IN2

Daily and Weekly Inspection Log for the Kirtland AFB GWTS

Location	Component	Item	Normal Range	Recordation Frequency	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
					4 15 21	4 16 21	4 17 21	4 18 21	4 19 21	/ /	/ /
					Time: 1024	0747	1206	1310	0728		
GWTS	Influent Pump Skid (Train 1)	Inlet pressure pump skid, PI-3102 (psig)	< 60 psig	Daily	36.5	34.5	36	35.1	35.2		
		Bag filter differential pressure, F112A, PDI-3102A	<15 psid	Daily	0.322	0.318	0.318	0.322	0.325		
		Bag filter differential pressure, F112B, PDI-3102B	<15 psid	Daily	0.341	0.346	0.338	0.336	0.343		
		Sand filter differential pressure, SF-101 (1)	---	Daily	33	31	32	32	32		
		Sand filter differential pressure, SF-101 (2)	---	Daily	31	28	28	28	28		
		Outlet pressure pump skid, PI-3103 (psig)	< 60 psig	Daily	13.5	13.5	13.5	13.5	13.5		
		GW flow (gpm)	0-500 gpm	Daily	3349	335.1	335.6	334.8	335.4		
		Totalizer (Mgal)	---	Daily	525.4386	525.8639	526.4130	526.9211	527.2796		
		Bag filters changed?	yes/no	Daily	No	No	NO	No			
	Influent Pump Skid (Train 2)	Inlet pressure pump skid, PI-3202 (psig)	< 60 psig	Daily	40.5	41	35	38.6	39.5		
		Bag filter differential pressure, F212A	<15 psid	Daily	0.038	0.035	0.036	0.034	0.034		
		Bag filter differential pressure, F212B	<15 psid	Daily	0.064	0.067	0.069	0.068	0.064		
		Sand filter differential pressure, SF-201 (1)	---	Daily	38	39	34	38.6	37		
		Sand filter differential pressure, SF-201 (2)	---	Daily	35.5	33	32	35	33		
		Outlet pressure pump skid,PI-3203, (psig)	< 60 psig	Daily	13.2	12.8	129	12.9	13.8		
		GW flow (gpm)	0-500 gpm	Daily	215.2	215.3	214.8	215.7	215.5		
		Totalizer (Mgal)	---	Daily	431.6342	431.9051	432.2595	432.5743	432.7987		
		Bag filters changed?	yes/no	Daily	No	No	NO	No	No		
	GAC (Train 1)	V-114A Pressure, PI-3104A (psig)	0-20 psig	Daily	9.4	10.8	9.8	10.0	10.0		
		Between Tanks, PI-3105 (psig)	0-20 psig	Daily	12.8	12.18	12.8	12.9	12.9		
		V-114B Pressure, PI-3104B (psig)	0-20 psig	Daily	7.9	7.8	7.5	7.9	7.9		
		Which Tank is Lead?	---	Daily	A	A	A	A	A		
		Which Tank is Lag?	---	Daily	B	B	B	B	B		
	GAC (Train 2)	V-214A Pressure (psig)	0-20 psig	Daily	8.0	7.8	7.5	7.9	8.1		
		Between Tanks (psig)	0-20 psig	Daily	12.9	12.2	12.8	12.6 ~~12.9~~	13.1		
		V-214B Pressure (psig)	0-20 psig	Daily	6.1	5.9	5.9	5.9 ~~7~~	6.1		
		Which Tank is Lead?	---	Daily	A	A	A	A	A		
		Which Tank is Lag?	---	Daily	B	B	B	B	B		
	Effluent Pump Skid (Train 1)	Inlet press. pump skid, PI-3108 (psig)	< 60 psig	Daily	23.1	23.12	23.9	23.9	~~23.0~~ 26.5		
		Bag filter differential pressure, F-118A	<15 psid	Daily	0	0	0	0	0		
		Bag filter differential pressure, F-118B	<15 psid	Daily	0	0	0	0	0		
		Upstream outlet press. pump tree (psig)	< 60 psig	Daily	19.76	19.81	20.20	20.34	23.01		
		GW flow (gpm)	0-500 gpm	Daily	337.5	338.7	338.3	338.15	337.3		
		Totalizer (Mgal)	---	Daily	541.0629	541.4891	541.0621	542.5476	542.9071		
	Effluent Pump Skid (Train 2)	Inlet press. pump skid, PI-3208 (psig)	< 60 psig	Daily	20.9	20.9	21.5	21.9	24.0		
		Bag filter differential pressure, F-218A	<15 psid	Daily	0	0	0	0	0		
		Bag filter differential pressure, F-218B	<15 psid	Daily	0	0	0	0	0		
		Upstream outlet press. pump tree (psig)	< 60 psig	Daily	19.74	19.97	20.20	20.69	23.02		
		GW flow (gpm)	0-500 gpm	Daily	218.4	217.9	218.2	219.0	218.8		
		Totalizer (Mgal)	---	Daily	426.6493	426.9177	427.2744	427.5781	427.7989		
	Backwash System	Clarifier Level (ft)	---	Daily	Cell 2 2.6'	Cell 2 2.6'	Cell 2 2.6'	Cell 2 2.6'	Cell 2 2.6'		
		Clarifier Discharged to Sump?	yes/no	Daily	No	Yes	NO	No	No		
	Main Uninterruptable Power Supply (UPS)	Status Light	---	Daily	Good	Good	Good	Good	Good		
		Comments	---	Daily	Green	Green	Green	Green	Green		
	Sodium Hypochlorite Generator	Upstream Filter Pressure (psi)	>30 psig	Daily							
		Downstream Filter Pressure (psi)	>30 psig	Daily							
		Brine Tank Filled with Salt?	yes/no	Daily							
		Generator Inlet Pressure (psi)	>30 psig	Daily							
		Generator Faulted?	yes/no	Daily							
		Oxidant Tank Level (ft)	>2 ft	Daily	OF	F	OF	OF	F		
		Train 1 Dosing Pump Faulted?	yes/no	Daily							
		Train 2 Dosing Pump Faulted?	yes/no	Daily							
		Train 1 Free Chlorine (ppm)	0.1 - 0.3 ppm	Daily		0.13					
		Train 2 Free Chlorine (ppm)	0.1 - 0.3 ppm	Daily		0.17					

Notes: compressor 38-50 50 50 psi 42 psi

1418

Amb 69°F
VFD 25.0
AC 81°F
Amp 30.17
Hz 50.015

Daily and Weekly Inspection Log for the Kirtland AFB GWTS

Location	Component	Item	Normal Range	Recordation Frequency	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
					4/12/21	4/13/21	4/14/21	4/15/21	4/16/21	/ /	/ /
					Time: 0933	0750	0752	1441	0942		
HMI	Well KAFB-106228	GW flow, FT-3001 (gpm)	0-200 gpm	Daily	135	135	135	135	134		
		Wellhead Pressure (psig)	< 150 psig	Daily	62.4	62.5	62.3	62.8 6350	62.6		
		Water Level Above Transducer (ft)	---	Daily	10.34	10.28	10.61	11.14	11.06		
	Well KAFB-106233	GW flow, FT-7001 (gpm)	0-200 gpm	Daily	160	160	161	160	160		
		Wellhead Pressure (psig)	< 150 psig	Daily	22.8	22.8	22.7	22.8 2285	22.7		
		Water Level Above Transducer (ft)	---	Daily	32.31	32.17	32.25	3256	3233		
	Well KAFB-106234	GW flow, FI-7002(gpm)	0-200 gpm	Daily	171	171	171	171	171		
		Wellhead Pressure (psig)	< 150 psig	Daily	22.9	22.9	22.9	23.0 2296	22.9		
		Water Level Above Transducer (ft)	---	Daily	22.84	22.71	22.84	23.23	2302		
	Well KAFB-106239	GW flow, FI-7002(gpm)	0-200 gpm	Daily	75	75	75	76	76		
		Wellhead Pressure (psig)	< 150 psig	Daily	48.6	48.5	48.6	48.8 4878	4889		
		Water Level Above Transducer (ft)	---	Daily	17.21	17.11	1724	17.53	17.37		
	Influent Pump Skid (1)	GW flow (gpm)	0-400 gpm	Daily	335	335	335	335	335		
		Totalizer (1000 gal)	---	Daily	536102036	536411580	536727512	537143504	537375348		
		Bag filter differential pressure, F112A, PDI-3102A	<15 psid	Daily	0.32	0.32	0.32	0.32	0.32		
		Bag filter differential pressure, F112B, PDI-3102B	<15 psid	Daily	0.34	0.34	0.34	0.34	0.34		
	Influent Pump Skid (2)	GW flow (gpm)	0-400 gpm	Daily	~~215~~ 214	214	215	215	215		
		Totalizer (1000 gal)	---	Daily	358178680	358487856	358800148	359206336	359454644		
		Bag filter differential pressure, F-212A, PDI-3202A	<15 psid	Daily	0.07	0.07	0.07	0.07	0.07		
		Bag filter differential pressure, F-212B, PDI-3202B	<15 psid	Daily	0.03	0.04	0.04	0.04	0.03		
	Effluent Skid Pump (1)	GW flow (gpm)	0-400 gpm	Daily	337	339	338	338	338		
		Totalizer (1000 gal)	---	Daily	591,912,768	592527424	593151904	593972592	594472960		
	Effluent Skid Pump (2)	GW flow (gpm)	0-400 gpm	Daily	218	218	218	218	218		
		Totalizer (1000 gal)	---	Daily	450898980	451195448	451503900	451901000	452141528		
	Injection Well KAFB-7	Pressure (psig)	0-120 psig	Daily	1.1	13.6	1.3	1.1	13.4		
		Water Level Above Transducer (ft)	10-100 ft	Daily	57.16	89.97	57.57	57.53	86.16		
	Injection Well KAFB-IN2	Upstream Pressure (psig)	0-120 psig	Daily	0.1	11.6	0.0	5.9	11.1		
		Downstream Pressure (psig)	0-120 psig	Daily	0.8	0.8	0.9	4.3	2.2		
		Water Level Above Transducer (ft)	10-100 ft	Daily	13	13	13	150	reading 4 x		
	Golf Course Pond	Pond Level (ft)	0.7-3.5 ft	Daily	3.93	3.96	3.82	3.81	3.60		
HIMs	Influent Pump Skid (1)	Frequency (Hz, P112A | B)	>30 Hz	Daily	47.85 | 47.84	48.01 | 48.04	47.74 | 47.77	46.05 | 46.06	47.21 | 47.18		
		Amperage (A, P112A | B)	>10 A	Daily	11.0 | 11.1	11.0 | 11.2	10.9 | 11.1	10.5 | 10.6	10.8 | 11.0		
		Sand Filter Differential Pressure (psi)	>1 psi	Daily	8.5	9	9.5	5.1	5.5		
	Influent Pump Skid (2)	Frequency (Hz, P212A | B)	>30 Hz	Daily	44.07 | 44.62	45.03 | 45.00	46.41 | 46.41	44.29 | 44.35	45.95 | 45.94		
		Amperage (A, P212A | B)	>10 A	Daily	9.5 | 9.4	9.5 | 9.5	9.9 | 9.8	9.6 | 9.4	9.9 | 9.9		
		Sand Filter Differential Pressure (psi)	>1 psi	Daily	5.0	6	9	5.1	8		
	Effluent Pump Skid (1)	Frequency (Hz, P118)	>30 Hz	Daily	45.37	46.35	46.32	48.60	46.17		
		Amperage (A, P118)	>10 A	Daily	15.2	15.3	15.4	16.1	15.2		
	Effluent Pump Skid (2)	Frequency (Hz, P218)	>30 Hz	Daily	40.63	40.63	41.90	45.05	41.58		
		Amperage (A, P218)	>10 A	Daily	12.0	12.1	12.3	13.1	12.3		
Well Vault	KAFB-106228	Totalizer (Mgal)	---	Weekly	—	—	—	469.0603			
		GW flow, FT-3001 (gpm)	0-200 gpm	Weekly	—	—	—	130.6			
Well Vault	KAFB-106239	Totalizer (Mgal)	---	Weekly	—	—	—	106.8963			
		GW flow, FT-3001 (gpm)	0-200 gpm	Weekly	—	—	—	76.0			
Well Control House	KAFB-106233	Wellhead Pressure (psig)	< 150 psig	Weekly	—	—	—	94 psi			
		GW flow, FT-7001 (gpm)	0-200 gpm	Weekly	—	—	—	160.5			
		Totalizer (Mgal)	---	Weekly	—	—	—	238.0459			
	KAFB-106234	Wellhead Pressure (psig)	< 150 psig	Weekly	—	—	—	78 psi			
		GW flow, FT-7002 (gpm)	0-200 gpm	Weekly	—	—	—	170.1			
		Totalizer (Mgal)	---	Weekly	—	—	—	353.7678			
	Well Control House	Effluent Line Pressure, PI-7005	< 150 psig	Weekly	—	—	—	22.0			
Well Head	KAFB-7	*Totalizer (1000 gal)	---	Weekly	998~~000~~000	—	—	1006.65			
		GW flow (gpm)	0-800 gpm	Weekly	—	—	—	—			
Well Head	KAFB-IN2	*Totalizer ~~(1000 gal)~~ MGal	---	Weekly	8,4645	—	—	—			
		GW flow (gpm)	0-800 gpm	Weekly	—	—	—	—			

Notes:

* The KAFB-7 and KAFB-IN2 Totalizer readings should be recorded weekly as well as on days when the effluent flow is changed between KAFB-7, KAFB-IN2, and the Golf Course Main Pond.

To Well 7

2.60 - 5 Radia
3.81 HM1
4/16 bad transducer at IN2

VFD 29°C
AC 75
Amb 72°F
Hz 50.00
Amps 3082

338

Daily and Weekly Inspection Log for the Kirtland AFB GWTS

Location	Component	Item	Normal Range	Recordation Frequency	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
					4/12/21	4/13/21	4/14/21	4/15/21	4/16/21	/ /	/ /
					Time: 0925	0738	0735	1427	0930		
GWTS	Influent Pump Skid (Train 1)	Inlet pressure pump skid, PI-3102 (psig)	< 60 psig	Daily	37	37.2	37.5	35.1	36.5		
		Bag filter differential pressure, F112A, PDI-3102A	<15 psid	Daily	0.329	0.321	0.324	0.327	0.325		
		Bag filter differential pressure, F112B, PDI-3102B	<15 psid	Daily	0.340	0.342	0.338	0.343	0.339		
		Sand filter differential pressure, SF-101 (1)	---	Daily	35	35	35	32	34		
		Sand filter differential pressure, SF-101 (2)	---	Daily	30	30	30	29.5	30.5		
		Outlet pressure pump skid, PI-3103 (psig)	< 60 psig	Daily	13.5	13.5	13.5	13.6	13.6		
		GW flow (gpm)	0-500 gpm	Daily	334.9	335.0	335.6	335.3	335.0		
		Totalizer (Mgal)	---	Daily	528.7424	529.1813	529.6260	530.2114	530.5673		
		Bag filters changed?	yes/no	Daily	No	No	No	No			
	Influent Pump Skid (Train 2)	Inlet pressure pump skid, PI-3202 (psig)	< 60 psig	Daily	39	40	42	37	40.9		
		Bag filter differential pressure, F212A	<15 psid	Daily	0.034	0.036	0.036	0.035	0.035		
		Bag filter differential pressure, F212B	<15 psid	Daily	0.067	0.069	0.068	0.065	0.068		
		Sand filter differential pressure, SF-201 (1)	---	Daily	38	38	39.5	35	38		
		Sand filter differential pressure, SF-201 (2)	---	Daily	36	36	35	33	34		
		Outlet pressure pump skid,PI-3203, (psig)	< 60 psig	Daily	13.6	13.6	12.9	12.9	12.9		
		GW flow (gpm)	0-500 gpm	Daily	215.5	214.9	215.5	215.1	215.1		
		Totalizer (Mgal)	---	Daily	433.7281	434.0043	434.2890	434.6588	434.8840		
		Bag filters changed?	yes/no	Daily	No	No	No	No	No		
	GAC (Train 1)	V-114A Pressure, PI-3104A (psig)	0-20 psig	Daily	10.0	10.0	10.0	9.8	9.3		
		Between Tanks, PI-3105 (psig)	0-20 psig	Daily	12.9	12.9	12.9	12.9	12.8		
		V-114B Pressure, PI-3104B (psig)	0-20 psig	Daily	7.9	7.9	7.8	7.9	7.9		
		Which Tank is Lead?	---	Daily	A	A	A	A	A		
		Which Tank is Lag?	---	Daily	B	B	B	B	B		
	GAC (Train 2)	V-214A Pressure (psig)	0-20 psig	Daily	8.0	8.0	7.9	8.0	7.7		
		Between Tanks (psig)	0-20 psig	Daily	13.0	13.0	12.3	12.5	12.6		
		V-214B Pressure (psig)	0-20 psig	Daily	6.2	6.1	6.0	5.9	5.8		
		Which Tank is Lead?	---	Daily	A	A	A	A	A		
		Which Tank is Lag?	---	Daily	B	B	B	B	B		
	Effluent Pump Skid (Train 1)	Inlet press. pump skid, PI-3108 (psig)	< 60 psig	Daily	23.0	23.4	23.5	26.2	23.2		
		Bag filter differential pressure, F-118A	<15 psid	Daily	0	0	0	0	0		
		Bag filter differential pressure, F-118B	<15 psid	Daily	0	0	0	0	0		
		Upstream outlet press. pump tree (psig)	< 60 psig	Daily	19.57	19.96	20.16	22.80	19.81		
		GW flow (gpm)	0-500 gpm	Daily	338.7	337.9	338.1	337.9	338.3		
		Totalizer (Mgal)	---	Daily	544.3895	544.8146	545.2591	545.8444	546.2028		
	Effluent Pump Skid (Train 2)	Inlet press. pump skid, PI-3208 (psig)	< 60 psig	Daily	20.9	21.1	21.5	23.9	20.9		
		Bag filter differential pressure, F-218A	<15 psid	Daily	0	0	0	0	0		
		Bag filter differential pressure, F-218B	<15 psid	Daily	0	0	0	0	0		
		Upstream outlet press. pump tree (psig)	< 60 psig	Daily	19.64	19.92	20.06	22.75	19.72		
		GW flow (gpm)	0-500 gpm	Daily	218.6	217.7	217.8	218.7	218.4		
		Totalizer (Mgal)	---	Daily	428.7239	428.9893	429.2718	429.6368	429.8587		
	Backwash System	Clarifier Level (ft)	---	Daily	Cell 2 2.6'	Cell 2 2.6'	Cell 2 2.6'	Cell 2 2.6'			
		Clarifier Discharged to Sump?	yes/no	Daily	No	No	Yes *	Yes *			
	Main Uninterruptable Power Supply (UPS)	Status Light	---	Daily	Green	Green	Green	Green	Green		
		Comments	---	Daily	Good	Good	Good	Good	Good		
	Sodium Hypochlorite Generator	Upstream Filter Pressure (psi)	>30 psig	Daily							
		Downstream Filter Pressure (psi)	>30 psig	Daily							
		Brine Tank Filled with Salt?	yes/no	Daily							
		Generator Inlet Pressure (psi)	>30 psig	Daily							
		Generator Faulted?	yes/no	Daily							
		Oxidant Tank Level (ft)	>2 ft	Daily	OFF	OFF	OFF	OFF	OFF		
		Train 1 Dosing Pump Faulted?	yes/no	Daily							
		Train 2 Dosing Pump Faulted?	yes/no	Daily							
		Train 1 Free Chlorine (ppm)	0.1 - 0.3 ppm	Daily		0.09					
		Train 2 Free Chlorine (ppm)	0.1 - 0.3 ppm	Daily		0.12					

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218

Notes:

To Well 7 To Pond
*Train 1 *Train 2

Daily and Weekly Inspection Log for the Kirtland AFB GWTS

Location	Component	Item	Normal Range	Recordation Frequency	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
					4/19/21	4/20/21	4/21/21	4/22/21	4/23/21	/ /	/ /
					Time: 0912	0804	1631	1535	0836		
HMI	Well KAFB-106228	GW flow, FT-3001 (gpm)	0-200 gpm	Daily	134	135	134	134	134		
		Wellhead Pressure (psig)	< 150 psig	Daily	62.3	62.15	63	62.5 6392	62.15		
		Water Level Above Transducer (ft)	---	Daily	10.41	10.33	10.82	10.65	10.46		
	Well KAFB-106233	GW flow, FT-7001 (gpm)	0-200 gpm	Daily	160	160	160	160	160		
		Wellhead Pressure (psig)	< 150 psig	Daily	22.7	22.8	23	22.8 2284	22.8		
		Water Level Above Transducer (ft)	---	Daily	32.20	32.28	32.51	32.58	32.48		
	Well KAFB-106234	GW flow, FI-7002(gpm)	0-200 gpm	Daily	171	171	171	171	171		
		Wellhead Pressure (psig)	< 150 psig	Daily	22.9	22.9	23	22.9 2288	22.9		
		Water Level Above Transducer (ft)	---	Daily	22.95	23.04	23.36	23.43	23.35		
	Well KAFB-106239	GW flow, FI-7002(gpm)	0-200 gpm	Daily	75	75	75	75	75		
		Wellhead Pressure (psig)	< 150 psig	Daily	48.6	48.5	49	48.6 4857	48.6		
		Water Level Above Transducer (ft)	---	Daily	16.98	17.01	17.37	17.34	17.11		
	Influent Pump Skid (1)	GW flow (gpm)	0-400 gpm	Daily	335	335	335	335	335		
		Totalizer (1000 gal)	---	Daily	538 378 076	538 716 616	539 170 116	539 497 868	539 735 532		
		Bag filter differential pressure, F112A, PDI-3102A	<15 psid	Daily	0.32	0.33	0.33	0.33	0.33		
		Bag filter differential pressure, F112B, PDI-3102B	<15 psid	Daily	0.34	0.34	0.35	0.34	0.34		
	Influent Pump Skid (2)	GW flow (gpm)	0-400 gpm	Daily	215	215	215	215	215		
		Totalizer (1000 gal)	---	Daily	360 438 944	360 752 512	361 192 784	361 513 112	361 745 744		
		Bag filter differential pressure, F-212A, PDI-3202A	<15 psid	Daily	0.07	0.06	0.07	0.07	0.07		
		Bag filter differential pressure, F-212B, PDI-3202B	<15 psid	Daily	0.03	0.04	0.04	0.04	0.04		
	Effluent Skid Pump (1)	GW flow (gpm)	0-400 gpm	Daily	338	338	338	338	338		
		Totalizer (1000 gal)	---	Daily	596 464 088	597 096 032	597 994 712	598 640 552	599 112 248		
	Effluent Skid Pump (2)	GW flow (gpm)	0-400 gpm	Daily	215	218	219	218	217		
		Totalizer (1000 gal)	---	Daily	~~453 098 740~~	453 403 232	453 833 528	454 147 872	454 369 224		
	Injection Well KAFB-7	Pressure (psig)	0-120 psig	Daily	~~334~~	1.1	2.3	2.5	2.5		
		Water Level Above Transducer (ft)	10-100 ft	Daily	~~596 101 278~~	5.17	59.37	57.75	57.81		
	Injection Well KAFB-IN2	Upstream Pressure (psig)	0-120 psig	Daily	0.1	0.1	—	0.4	0.1		
		Downstream Pressure (psig)	0-120 psig	Daily	1.8	1.9	—	1.0	1.8		
		Water Level Above Transducer (ft)	10-100 ft	Daily	*0	*0	—	*0	*0 - 32		
	Golf Course Pond	Pond Level (ft)	0.7-3.5 ft	Daily	3.36	4.14	3.34	3.62	3.66		
HIMs	Influent Pump Skid (1)	Frequency (Hz, P112A | B)	>30 Hz	Daily	46.88 | 46.87	46.45 | 46.46	46.01 | 46.02	46.03 | 46.4	46.03 | 46.08		
		Amperage (A, P112A | B)	>10 A	Daily	10.7 | 10.9	10.6 | 10.7	10.5 | 10.6	10.5 | 10.7	10.5 | 10.6		
		Sand Filter Differential Pressure (psi)	>1 psi	Daily	7.5	7.5	7.7	5.1	5.1		
	Influent Pump Skid (2)	Frequency (Hz, P212A | B)	>30 Hz	Daily	44.77 | 44.78	45.04 | 45.02	47.22 | 47.21	46.22 | 46.20	44.60 | 44.59		
		Amperage (A, P212A | B)	>10 A	Daily	9.6 | 9.5	9.7 | 9.6	10.1 | 10.1	10.0 | 9.9	9.5 | 9.5		
		Sand Filter Differential Pressure (psi)	>1 psi	Daily	5.0	5.0	9.5	1.5	10		
	Effluent Pump Skid (1)	Frequency (Hz, P118)	>30 Hz	Daily	45.92	45.98	45.96	46.06	45.90		
		Amperage (A, P118)	>10 A	Daily	15.2	15.2	15.1	15.2	15.1		
	Effluent Pump Skid (2)	Frequency (Hz, P218)	>30 Hz	Daily	41.12	41.50	89.86	41.59	39.78		
		Amperage (A, P218)	>10 A	Daily	12.10	12.3	11.9	12.3	11.9		
Well Vault	KAFB-106228	Totalizer (Mgal)	---	Weekly	—	—	—	190.3310	—		
		GW flow, FT-3001 (gpm)	0-200 gpm	Weekly	—	—	—	130.4	—		
Well Vault	KAFB-106239	Totalizer (Mgal)	---	Weekly	—	—	—	107.6288	—		
		GW flow, FT-3001 (gpm)	0-200 gpm	Weekly	—	—	—	75.0	—		
Well Control House	KAFB-106233	Wellhead Pressure (psig)	< 150 psig	Weekly	—	—	—	94 psi	—		
		GW flow, FT-7001 (gpm)	0-200 gpm	Weekly	—	—	—	160.3	—		
		Totalizer (Mgal)	---	Weekly	—	—	—	239.6076	—		
	KAFB-106234	Wellhead Pressure (psig)	< 150 psig	Weekly	—	—	—	78 psi	—		
		GW flow, FT-7002 (gpm)	0-200 gpm	Weekly	—	—	—	169	—		
		Totalizer (Mgal)	---	Weekly	—	—	—	355.4296	—		
	Well Control House	Effluent Line Pressure, PI-7005	< 150 psig	Weekly	—	—	—	22	—		
Well Head	KAFB-7	*Totalizer (1000 gal)	---	Weekly	—	1015.65	—	—	—		
		GW flow (gpm)	0-800 gpm	Weekly	—	—	—	—	—		
Well Head	KAFB-IN2	*Totalizer (1000 gal)	---	Weekly	—	—	—	—	—		
		GW flow (gpm)	0-800 gpm	Weekly	—	—	—	—	—		

Notes:

* The KAFB-7 and KAFB-IN2 Totalizer readings should be recorded weekly as well as on days when the effluent flow is changed between KAFB-7, KAFB-IN2, and the Golf Course Main Pond.

* Bad Press. transmitter out of Well

*Bad

4-22-2021
IN2 levels
495.41

Transd
495.26

495.08

59.22

5
8 94
59 22
9.72

VFD 17.7°C
AC — 80°F
Amb 47°F
Hz 49.97
Amps 30.85

Daily and Weekly Inspection Log for the Kirtland AFB GWTS

Location	Component	Item	Normal Range	Recordation Frequency	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
					4/19/21	4/20/21	4/21/21	4/22/21	4/23/21	/ /	/ /
					Time: 0904	0743	1159	1525	0828		
GWTS	Influent Pump Skid (Train 1)	Inlet pressure pump skid, PI-3102 (psig)	< 60 psig	Daily	36	36	33	34	34		
		Bag filter differential pressure, F112A, PDI-3102A	<15 psid	Daily	0.326	0.320	0.328	0.326	0.329		
		Bag filter differential pressure, F112B, PDI-3102B	<15 psid	Daily	0.348	0.342	0.346 0.343	~~0.06~~	0.341		
		Sand filter differential pressure, SF-101 (1)	---	Daily	32	33	33	31	31		
		Sand filter differential pressure, SF-101 (2)	---	Daily	29	29	29	29	30		
		Outlet pressure pump skid, PI-3103 (psig)	< 60 psig	Daily	13.6	13.6	13.5	13.6	13.6		
		GW flow (gpm)	0-500 gpm	Daily	335.4	335.1	334.7	335.7	335.1		
		Totalizer (Mgal)	---	Daily	531,9887	532,4332	533,0721	533,5357	533,8721		
		Bag filters changed?	yes/no	Daily	No	No	NO	No	NO		
	Influent Pump Skid (Train 2)	Inlet pressure pump skid, PI-3202 (psig)	< 60 psig	Daily	~~38.5~~	~~39~~	43	~~41~~	~~38~~ 39.5		
		Bag filter differential pressure, F212A	<15 psid	Daily	0.035	0.032	0.034	0.033	0.035		
		Bag filter differential pressure, F212B	<15 psid	Daily	0.068	0.062	0.067	0.068	0.066		
		Sand filter differential pressure, SF-201 (1)	---	Daily	37	37	41	~~39~~	36		
		Sand filter differential pressure, SF-201 (2)	---	Daily	36	36	36	~~35~~	36		
		Outlet pressure pump skid,PI-3203, (psig)	< 60 psig	Daily	12.9	12.9	13.6	12.9	13.5		
		GW flow (gpm)	0-500 gpm	Daily	214.9	214.5	215.1	215.2	215.6		
		Totalizer (Mgal)	---	Daily	435.7777	436.0617	436.4026	436.7556	437.0347		
		Bag filters changed?	yes/no	Daily	No	No	NO	No	No		
	GAC (Train 1)	V-114A Pressure, PI-3104A (psig)	0-20 psig	Daily	~~9~~ 9	10.0	~~8.0~~ 10.0	10.0	10.0		
		Between Tanks, PI-3105 (psig)	0-20 psig	Daily	13.0	12.9	~~13.0~~ 13.0	13.0	13.0		
		V-114B Pressure, PI-3104B (psig)	0-20 psig	Daily	7.8	7.9	7.8	7.9	7.9		
		Which Tank is Lead?	---	Daily	A	A	A	A	A		
		Which Tank is Lag?	---	Daily	B	B	B	B	B		
	GAC (Train 2)	V-214A Pressure (psig)	0-20 psig	Daily		7.6	8.0	7.5	8.0		
		Between Tanks (psig)	0-20 psig	Daily	~~7.9~~	12.2	13.0	12.4	13.8		
		V-214B Pressure (psig)	0-20 psig	Daily	~~12.3~~	6.0	6.1	5.8	6.1		
		Which Tank is Lead?	---	Daily	A ~~5.9~~	A	A	A	A		
		Which Tank is Lag?	---	Daily	B	B	B	B	B		
	Effluent Pump Skid (Train 1)	Inlet press. pump skid, PI-3108 (psig)	< 60 psig	Daily	23.0	23.3 ~~21.1~~ PF	23.9	23.0	23.9		
		Bag filter differential pressure, F-118A	<15 psid	Daily	0	0	0	0	0		
		Bag filter differential pressure, F-118B	<15 psid	Daily	0	0	0	0	0		
		Upstream outlet press. pump tree (psig)	< 60 psig	Daily	19.60	19.81	20.29	19.62	20.21		
		GW flow (gpm)	0-500 gpm	Daily	337.9	338.4	338.9	338.3	341.8		
		Totalizer (Mgal)	---	Daily	547,6232	548,0710	~~548~~.7146	549,1781	549,5155		
	Effluent Pump Skid (Train 2)	Inlet press. pump skid, PI-3208 (psig)	< 60 psig	Daily	20.9	21.1	21.9	21.1	21.9		
		Bag filter differential pressure, F-218A	<15 psid	Daily	0	0	0	0	0		
		Bag filter differential pressure, F-218B	<15 psid	Daily	0	0	0	0	0		
		Upstream outlet press. pump tree (psig)	< 60 psig	Daily	~~19~~46	19.93	20.32	19.71	20.36		
		GW flow (gpm)	0-500 gpm	Daily	217.9	218.2	218.0	218.9	218.0		
		Totalizer (Mgal)	---	Daily	430,7395	431,0197	431,4143	431,7040	431,9109		
	Backwash System	Clarifier Level (ft)	---	Daily	Cell 2 2.6	Cell 2 2.6	Cell 2 2.6	Cell 2 2.6	Cell 2. 26		
		Clarifier Discharged to Sump?	yes/no	Daily	No	No	~~Yes~~	No	Yes		
	Main Uninterruptable Power Supply (UPS)	Status Light	---	Daily	Good	Good	Good	Good	Green		
		Comments	---	Daily	Green	Green	Green	Green	Good		
	Sodium Hypochlorite Generator	Upstream Filter Pressure (psi)	>30 psig	Daily							
		Downstream Filter Pressure (psi)	>30 psig	Daily							
		Brine Tank Filled with Salt?	yes/no	Daily							
		Generator Inlet Pressure (psi)	>30 psig	Daily							
		Generator Faulted?	yes/no	Daily		OFF					
		Oxidant Tank Level (ft)	>2 ft	Daily	OFF		OFF				
		Train 1 Dosing Pump Faulted?	yes/no	Daily				OFF			
		Train 2 Dosing Pump Faulted?	yes/no	Daily					OFF		
		Train 1 Free Chlorine (ppm)	0.1 - 0.3 ppm	Daily		0.13					
		Train 2 Free Chlorine (ppm)	0.1 - 0.3 ppm	Daily		0.12					

Notes:

Both trains ~~Backwash~~ Backwashed

T2 Manual Backwash

Daily and Weekly Inspection Log for the Kirtland AFB GWTS

Location	Component	Item	Normal Range	Recordation Frequency	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
					04/26/21	4/27/21	4/28/21	4/29/21	4/30/21	/ /	/ /
					Time: 1715	1723	1526	1318	0710		
HMI	Well KAFB-106228	GW flow, FT-3001 (gpm)	0-200 gpm	Daily	134	~~1700~~ 135	134	134	135		
		Wellhead Pressure (psig)	< 150 psig	Daily	62.5	62.8	62.8	63.0	63.1 64.07		
		Water Level Above Transducer (ft)	---	Daily	11.37	17.09	12.03	11.74	11.06		
	Well KAFB-106233	GW flow, FT-7001 (gpm)	0-200 gpm	Daily	160	160	160	160	160		
		Wellhead Pressure (psig)	< 150 psig	Daily	22.8	22.8	22.7	22.8	22.8 22.84		
		Water Level Above Transducer (ft)	---	Daily	32.95	33.04	32.81	32.49	32.12		
	Well KAFB-106234	GW flow, FI-7002(gpm)	0-200 gpm	Daily	171	171	171	171	171		
		Wellhead Pressure (psig)	< 150 psig	Daily	22.9	22.9	22.9	22.9	22.8 22.98		
		Water Level Above Transducer (ft)	---	Daily	24.12	24.37	24.12	23.81	23.30		
	Well KAFB-106239	GW flow, FI-7002(gpm)	0-200 gpm	Daily	75	75	75	75	75		
		Wellhead Pressure (psig)	< 150 psig	Daily	48.5	48.4	48.3	48.4	48.4 48.40		
		Water Level Above Transducer (ft)	---	Daily	18.06	18.11	17.91	17.52	17.11		
	Influent Pump Skid (1)	GW flow (gpm)	0-400 gpm	Daily	335	335	335	335	336		
		Totalizer (1000 gal)	---	Daily	540,773,160	540,905,048	541,246,480	541458348	541712152		
		Bag filter differential pressure, F112A, PDI-3102A	<15 psid	Daily	.32	0.33	.33	0.33	0.33		
		Bag filter differential pressure, F112B, PDI-3102B	<15 psid	Daily	.34	0.34	.35	0.35	0.35		
	Influent Pump Skid (2)	GW flow (gpm)	0-400 gpm	Daily	215	215	217	215	215		
		Totalizer (1000 gal)	---	Daily	362,766,512	362,869,676	363,183,560	363394816	363636428		
		Bag filter differential pressure, F-212A, PDI-3202A	<15 psid	Daily	.07	.07	.42	0.37	0.27		
		Bag filter differential pressure, F-212B, PDI-3202B	<15 psid	Daily	.03	.03	.37	0.27	0.23		
	Effluent Skid Pump (1)	GW flow (gpm)	0-400 gpm	Daily	338	338	338	338	337		
		Totalizer (1000 gal)	---	Daily	660,578,552	601,187,814	601,513,196	601836180	602211448		
	Effluent Skid Pump (2)	GW flow (gpm)	0-400 gpm	Daily	218	218	218	218	218		
		Totalizer (1000 gal)	---	Daily	455,362,784	455,460,288	455,766,760	455973032	456207924		
	Injection Well KAFB-7	Pressure (psig)	0-120 psig	Daily	13.1	13.9	~~12.5~~ 12.8	2.4	13.5		
		Water Level Above Transducer (ft)	10-100 ft	Daily	79.00	73.15	57.75	57.09	92.47		
	Injection Well KAFB-IN2	Upstream Pressure (psig)	0-120 psig	Daily	12.0	13.4	5.6	4.7	12.1		
		Downstream Pressure (psig)	0-120 psig	Daily	21.9	2.9	3.6	2.8	1.7		
		Water Level Above Transducer (ft)	10-100 ft	Daily	0	0	0	*0	*0		
	Golf Course Pond	Pond Level (ft)	0.7-3.5 ft	Daily	3.75	3.52	3.24	3.51	2.98		
HIMs	Influent Pump Skid (1)	Frequency (Hz, P112A | B)	>30 Hz	Daily	47.47 | 47.45	47.56 | 47.61	47.84 | 47.82	48.70 | 48.69	47.75 | 47.44		
		Amperage (A, P112A | B)	>10 A	Daily	10.9 | 11.1	11 | 11.1	11.00 | 11.20	11.2 | 11.4	10.8 | 10.9		
		Sand Filter Differential Pressure (psi)	>1 psi	Daily	7.5	7.5	7.5	9	9.9		
	Influent Pump Skid (2)	Frequency (Hz, P212A | B)	>30 Hz	Daily	46.74 | 46.72	45.72 | 45.65	47.36 | 47.42	45.72 | 45.72	46.55 | 46.54		
		Amperage (A, P212A | B)	>10 A	Daily	10.1 | 10	9.8 | 9.7	10.3 | 10.2	9.9 | 9.7	10.0 | 9.9		
		Sand Filter Differential Pressure (psi)	>1 psi	Daily	10	6	13	5	10.1		
	Effluent Pump Skid (1)	Frequency (Hz, P118)	>30 Hz	Daily	45.76	46.63	47.70	45.64	45.72		
		Amperage (A, P118)	>10 A	Daily	15.2	15.5	14.9	15.3	15.10		
	Effluent Pump Skid (2)	Frequency (Hz, P218)	>30 Hz	Daily	41.10	42.45	39.46	41.89	41.21		
		Amperage (A, P218)	>10 A	Daily	12.5	12.6	11.9	12.5	12.20		
	Well Vault KAFB-106228	Totalizer (Mgal)	---	Weekly	—	—	—	—	191.6224		
		GW flow, FT-3001 (gpm)	0-200 gpm	Weekly	—	—	—	—	130.5		
	Well Vault KAFB-106239	Totalizer (Mgal)	---	Weekly	—	—	—	—	108.3708		
		GW flow, FT-3001 (gpm)	0-200 gpm	Weekly	—	—	—	—	75.2		
	Well Control House KAFB-106233	Wellhead Pressure (psig)	< 150 psig	Weekly	—	—	—	—	95 psi		
		GW flow, FT-7001 (gpm)	0-200 gpm	Weekly	—	—	—	—	160.3		
		Totalizer (Mgal)	---	Weekly	—	—	—	—	241.1818		
	Well Control House KAFB-106234	Wellhead Pressure (psig)	< 150 psig	Weekly	—	—	—	—	80 psi		
		GW flow, FT-7002 (gpm)	0-200 gpm	Weekly	—	—	—	—	170.8		
		Totalizer (Mgal)	---	Weekly	—	—	—	—	357.2590		
	Well Control House	Effluent Line Pressure, PI-7005	< 150 psig	Weekly	—	—	—	—	22.0		
	Well Head KAFB-7	*Totalizer (1000 gal)	---	Weekly	—	—	—	—	1053.5		
		GW flow (gpm)	0-800 gpm	Weekly	—	—	—	—			
	Well Head KAFB-IN2	*Totalizer (1000 gal)	---	Weekly	—	—	—	—	9.8145		
		GW flow (gpm)	0-800 gpm	Weekly	—	—	—	—			

Pond
1.56 - 2.87
2.89

Notes:

* The KAFB-7 and KAFB-IN2 Totalizer readings should be recorded weekly as well as on days when the effluent flow is changed between KAFB-7, KAFB-IN2, and the Golf Course Main Pond.

* Not reading properly, IT Sol. has been notified

79°F
30.79
50.00 Hz
60°F

Daily and Weekly Inspection Log for the Kirtland AFB GWTS

Location	Component	Item	Normal Range	Recordation Frequency	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
					04/26/21	04/27/21	04/28/21	4/29/21	4/30/21	/ /	/ /
					Time: 1715	1723	15:26	1304	0657		
GWTS	Influent Pump Skid (Train 1)	Inlet pressure pump skid, PI-3102 (psig)	< 60 psig	Daily	37	37	36.5	40.5	37		
		Bag filter differential pressure, F112A, PDI-3102A	<15 psid	Daily	.3256	.3265	.4071	0.332	0.330		
		Bag filter differential pressure, F112B, PDI-3102B	<15 psid	Daily	.3482	.3444	.4768	0.352	0.349		
		Sand filter differential pressure, SF-101 (1)	---	Daily	~~33~~ 33	33	31	38	35		
		Sand filter differential pressure, SF-101 (2)	---	Daily	31	31	29	32	29		
		Outlet pressure pump skid, PI-3103 (psig)	< 60 psig	Daily	~~13.5~~ 13.5	13.5	15	13.6	13.6		
		GW flow (gpm)	0-500 gpm	Daily	335.7	335.1	335.3	335.2	335.1		
		Totalizer (Mgal)	---	Daily	535.330a	535.6337	535.9475	536.2582	536.6141		
		Bag filters changed?	yes/no	Daily	NO	NO	NO	NO	NO		
	Influent Pump Skid (Train 2)	Inlet pressure pump skid, PI-3202 (psig)	< 60 psig	Daily	43	41	41	35	42.4		
		Bag filter differential pressure, F212A	<15 psid	Daily	.035	.034	.381	0.269	0.230		
		Bag filter differential pressure, F212B	<15 psid	Daily	.068	.068	.441	0.313	0.268		
		Sand filter differential pressure, SF-201 (1)	---	Daily	~~40~~ 39	39	39	33	39		
		Sand filter differential pressure, SF-201 (2)	---	Daily	36	35	31	32	34		
		Outlet pressure pump skid,PI-3203, (psig)	< 60 psig	Daily	14	13.5	13	13.8	13.9		
		GW flow (gpm)	0-500 gpm	Daily	215.2	214.3	215.6	214.4	215.5		
		Totalizer (Mgal)	---	Daily	457.8891	438.0818	438.2841	435.4765	438		
		Bag filters changed?	yes/no	Daily	NO	NO	NO	NO	NO		
	GAC (Train 1)	V-114A Pressure, PI-3104A (psig)	0-20 psig	Daily	9	9	9.5	9.8	10.0		
		Between Tanks, PI-3105 (psig)	0-20 psig	Daily	13	13	13	12.9	13.0		
		V-114B Pressure, PI-3104B (psig)	0-20 psig	Daily	7.5	7.5	7.9	7.8	7.9		
		Which Tank is Lead?	---	Daily	A	A	A	A	A		
		Which Tank is Lag?	---	Daily	B	B	B	B	B		
	GAC (Train 2)	V-214A Pressure (psig)	0-20 psig	Daily	8	8	7	8.1	8.1		
		Between Tanks (psig)	0-20 psig	Daily	8	8	13	13.1	13.6		
		V-214B Pressure (psig)	0-20 psig	Daily	6	6	5	6.6	6.9		
		Which Tank is Lead?	---	Daily	A	A	A	A	A		
		Which Tank is Lag?	---	Daily	B	B	B	B	B		
	Effluent Pump Skid (Train 1)	Inlet press. pump skid, PI-3108 (psig)	< 60 psig	Daily	23	25.5	20	23.1	23.5		
		Bag filter differential pressure, F-118A	<15 psid	Daily	0	0	0	0	0		
		Bag filter differential pressure, F-118B	<15 psid	Daily	0	0	0	0	0		
		Upstream outlet press. pump tree (psig)	< 60 psig	Daily	~~22~~ 20	~~33~~ 23	~~Fail~~ 16	19.64	19.81		
		GW flow (gpm)	0-500 gpm	Daily	338.2	338.5	338.1	338.12	339.0		
		Totalizer (Mgal)	---	Daily	550.9774	551.2804	551.5950	551.9042	552.2627		
	Effluent Pump Skid (Train 2)	Inlet press. pump skid, PI-3208 (psig)	< 60 psig	Daily	21	23.5	19	21.5	21.9		
		Bag filter differential pressure, F-218A	<15 psid	Daily	0	0	0	0	0		
		Bag filter differential pressure, F-218B	<15 psid	Daily	0	0	0	0	0		
		Upstream outlet press. pump tree (psig)	< 60 psig	Daily	19.73	21.6	17.42	19.61	19.8		
		GW flow (gpm)	0-500 gpm	Daily	218.1	218.4	218.6	217.5	218.4		
		Totalizer (Mgal)	---	Daily	432.8216	433.0123	433.2114	433.4023	433.6200		
	Backwash System	Clarifier Level (ft)	---	Daily	Cell 2 2.6	Cell 2 2.6	Cell 2 2.6	Cell 2 2.6	Cell 2 2.6		
		Clarifier Discharged to Sump?	yes/no	Daily	NO	NO	NO	Yes	Yes		
	Main Uninterruptable Power Supply (UPS)	Status Light	---	Daily	Good	Good	good	Good	Green		
		Comments	---	Daily	Green	Green	Green	Green	Good		
	Sodium Hypochlorite Generator	Upstream Filter Pressure (psi)	>30 psig	Daily							
		Downstream Filter Pressure (psi)	>30 psig	Daily							
		Brine Tank Filled with Salt?	yes/no	Daily							
		Generator Inlet Pressure (psi)	>30 psig	Daily							
		Generator Faulted?	yes/no	Daily					OFF		
		Oxidant Tank Level (ft)	>2 ft	Daily	OK						
		Train 1 Dosing Pump Faulted?	yes/no	Daily							
		Train 2 Dosing Pump Faulted?	yes/no	Daily							
		Train 1 Free Chlorine (ppm)	0.1 - 0.3 ppm	Daily					0.10		
		Train 2 Free Chlorine (ppm)	0.1 - 0.3 ppm	Daily							

Notes:

T2 Backwash

Daily and Weekly Inspection Log for the Kirtland AFB GWTS

Location	Component	Item	Normal Range	Recordation Frequency	Monday 5/3/21 Time: 1216	Tuesday 5/4/21 0756	Wednesday 5/5/21 1205	Thursday 5/6/21 0924	Friday 5/7/21 0901	Saturday ___/___/___	Sunday ___/___/___
HMI	Well KAFB-106228	GW flow, FT-3001 (gpm)	0-200 gpm	Daily	134	134	134	134	134		
		Wellhead Pressure (psig)	< 150 psig	Daily	62.5 63.81	62.6	62.1	62	62.3		
		Water Level Above Transducer (ft)	---	Daily	11.32	10.75	10.74	10.51	10.5		
	Well KAFB-106233	GW flow, FT-7001 (gpm)	0-200 gpm	Daily	160	160	160	160	160		
		Wellhead Pressure (psig)	< 150 psig	Daily	22.3 22.77	22.7	22.7	23	22.7		
		Water Level Above Transducer (ft)	---	Daily	32.67	32.20	32.31	32.15	32.35		
	Well KAFB-106234	GW flow, FI-7002(gpm)	0-200 gpm	Daily	171	171	171	171	171		
		Wellhead Pressure (psig)	< 150 psig	Daily	22.8 22.81	22.8	22.8	23	22.8		
		Water Level Above Transducer (ft)	---	Daily	23.39	23.51	23.56	23.41	23.61		
	Well KAFB-106239	GW flow, FI-7002(gpm)	0-200 gpm	Daily	75	75	75	75	74		
		Wellhead Pressure (psig)	< 150 psig	Daily	48.4 48.34	48.2	48.1	48	48.2		
		Water Level Above Transducer (ft)	---	Daily	17.49	17.03	17.04	16.88	17.08		
	Influent Pump Skid (1)	GW flow (gpm)	0-400 gpm	Daily	335	335	335	335	334		
		Totalizer (1000 gal)	---	Daily	542793 684	543066656	543462464	543757136	544091644		
		Bag filter differential pressure, F112A, PDI-3102A	<15 psid	Daily	0.33		.33	0.33	0.33		
		Bag filter differential pressure, F112B, PDI-3102B	<15 psid	Daily	0.35		.35	0.35	0.35		
	Influent Pump Skid (2)	GW flow (gpm)	0-400 gpm	Daily	215	215	216	215	215		
		Totalizer (1000 gal)	---	Daily	364697200	364996992	365,301,828	365642536	365963748		
		Bag filter differential pressure, F-212A, PDI-3202A	<15 psid	Daily	0.23	0.23	0.22	0.22	0.23		
		Bag filter differential pressure, F-212B, PDI-3202B	<15 psid	Daily	0.20	0.19	0.20	0.20	0.20		
	Effluent Skid Pump (1)	GW flow (gpm)	0-400 gpm	Daily	338	339	339	338	339		
		Totalizer (1000 gal)	---	Daily	603820798	604226066	604,816,632	605254724	605752966		
	Effluent Skid Pump (2)	GW flow (gpm)	0-400 gpm	Daily	218	219	218	218	218		
		Totalizer (1000 gal)	---	Daily	457245116	457507352	457,882,736	457166860	458483369		
	Injection Well KAFB-7	Pressure (psig)	0-120 psig	Daily	1.0	0.7	1.0	0.9	1.0		
		Water Level Above Transducer (ft)	10-100 ft	Daily	58.22	57.45	57.11	56.89	56.99		
	Injection Well KAFB-IN2	Upstream Pressure (psig)	0-120 psig	Daily	15.6	19.0	0.2	—	0.1		
		Downstream Pressure (psig)	0-120 psig	Daily	12.7	16.2	0.8	—	0.8		
		Water Level Above Transducer (ft)	10-100 ft	Daily	37	41	15	—	15		
	Golf Course Pond	Pond Level (ft)	0.7-3.5 ft	Daily	3.52	2.94	3.16	3.50	3.77		
HIMs	Influent Pump Skid (1)	Frequency (Hz, P112A | B)	>30 Hz	Daily	47.59 | 47.55	45.49 | 45.50	46.78 | 46.38	46.56 | 46.52	46.82 | 46.83		
		Amperage (A, P112A | B)	>10 A	Daily	10.9 | 11.0	10.9 | 10.6	10.50 | 10.60	10.6 | 10.7	10.7 | 10.9		
		Sand Filter Differential Pressure (psi)	>1 psi	Daily	5.1	6	7	7	8		
	Influent Pump Skid (2)	Frequency (Hz, P212A | B)	>30 Hz	Daily	45.31 | 45.30	46.76 | 46.75	41.58 | 41.60	41.69 | 41.59	45.94 | 45.97		
		Amperage (A, P212A | B)	>10 A	Daily	9.8 | 9.6	10.1 | 9.9	9.00 | 9.00	9.27 | 9.3	9.9 | 9.8		
		Sand Filter Differential Pressure (psi)	>1 psi	Daily	6	9	5	5.1	7		
	Effluent Pump Skid (1)	Frequency (Hz, P118)	>30 Hz	Daily	48 46	47.97	46.14	45.73	46.12		
		Amperage (A, P118)	>10 A	Daily	16.00	16.4	15.30	15.10	15.2		
	Effluent Pump Skid (2)	Frequency (Hz, P218)	>30 Hz	Daily	45.63	46.69	41.69	42.58	42.50		
		Amperage (A, P218)	>10 A	Daily	13.2	13.5	12.4	12.6	12.5		
Well Vault	KAFB-106228	Totalizer (Mgal)	---	Weekly	192.1862	—	—	—	—		
		GW flow, FT-3001 (gpm)	0-200 gpm	Weekly	130.6	—	—	—	—		
Well Vault	KAFB-106239	Totalizer (Mgal)	---	Weekly	108.6932	—	—	—	—		
		GW flow, FT-3001 (gpm)	0-200 gpm	Weekly	75.1	—	—	—	—		
Well Control House	KAFB-106233	Wellhead Pressure (psig)	< 150 psig	Weekly	77 psi	—	—	—	—		
		GW flow, FT-7001 (gpm)	0-200 gpm	Weekly	160.2	—	—	—	—		
		Totalizer (Mgal)	---	Weekly	241.8735	—	—	—	—		
	KAFB-106234	Wellhead Pressure (psig)	< 150 psig	Weekly	95	—	—	—	—		
		GW flow, FT-7002 (gpm)	0-200 gpm	Weekly	170.0	—	—	—	—		
		Totalizer (Mgal)	---	Weekly	357.9935	—	—	—	—		
	Well Control House	Effluent Line Pressure, PI-7005	< 150 psig	Weekly	22.0	—	—	—	—		
Well Head	KAFB-7	*Totalizer (1000 gal)	---	Weekly	—	—	1858.65	—	—		
		GW flow (gpm)	0-800 gpm	Weekly	—	—	—	—	—		
Well Head	KAFB-IN2	*Totalizer (1000 gal)	---	Weekly	—	0.09	10.8437	—	—		
		GW flow (gpm)	0-800 gpm	Weekly	—	0.12	—	—	—		

Notes:

* The KAFB-7 and KAFB-IN2 Totalizer readings should be recorded weekly as well as on days when the effluent flow is changed between KAFB-7, KAFB-IN2, and the Golf Course Main Pond.

To IN2

Pond 2.64
NM1 3.81

AC 76°F
Amb 80°F
VFD 29.3°C
Hz 49.99
Amps 30.52

Daily and Weekly Inspection Log for the Kirtland AFB GWTS

Location	Component	Item	Normal Range	Recordation Frequency	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
					5/3/21	5/4/21	05/05/21	05/06/21	5/7/21	/ /	/ /
					Time: 1210	0750	1205	0912	0901		
GWTS	Influent Pump Skid (Train 1)	Inlet pressure pump skid, PI-3102 (psig)	< 60 psig	Daily	37	34	36	35.5	36		
		Bag filter differential pressure, F112A, PDI-3102A	<15 psid	Daily	0.332	0.333	0.333	0.332	0.333		
		Bag filter differential pressure, F112B, PDI-3102B	<15 psid	Daily	0.352	0.351	.351	0.354	0.352		
		Sand filter differential pressure, SF-101 (1)	---	Daily	24	30.5	33	33	33		
		Sand filter differential pressure, SF-101 (2)	---	Daily	20.5	28	201	29.5	29		
		Outlet pressure pump skid, PI-3103 (psig)	< 60 psig	Daily	13.6	13.6	13.6	13.6	13.6		
		GW flow (gpm)	0-500 gpm	Daily	335.9	335.3	335.2	336.2	335.3		
		Totalizer (Mgal)	---	Daily	538.1417	538.5274	539.0903	539.5045	539.9763		
		Bag filters changed?	yes/no	Daily	No	No	No	No	No		
	Influent Pump Skid (Train 2)	Inlet pressure pump skid, PI-3202 (psig)	< 60 psig	Daily	39	42	33	35.9	40.5		
		Bag filter differential pressure, F212A	<15 psid	Daily	0.201	0.199	0.201	0.222	0.202		
		Bag filter differential pressure, F212B	<15 psid	Daily	0.230	0.228	0.220	0.200	0.223		
		Sand filter differential pressure, SF-201 (1)	---	Daily	37	39	32	35	38		
		Sand filter differential pressure, SF-201 (2)	---	Daily	34	35	29	32	35		
		Outlet pressure pump skid,PI-3203, (psig)	< 60 psig	Daily	13.0	13.1	13	13.1	13.1		
		GW flow (gpm)	0-500 gpm	Daily	216.10	215.4	214.6	215.1	214.8		
		Totalizer (Mgal)	---	Daily	439.6598	439.9055	440.2544	440.5190	440.8149		
		Bag filters changed?	yes/no	Daily	No	No	No	No	No		
	GAC (Train 1)	V-114A Pressure, PI-3104A (psig)	0-20 psig	Daily	7.6	10.1	9	10	10		
		Between Tanks, PI-3105 (psig)	0-20 psig	Daily	12.8	13.0	13	13	13		
		V-114B Pressure, PI-3104B (psig)	0-20 psig	Daily	7.8	7.9	8	7.9	7.9		
		Which Tank is Lead?	---	Daily	A	A	A	A	A		
		Which Tank is Lag?	---	Daily	B	B	B	B	B		
	GAC (Train 2)	V-214A Pressure (psig)	0-20 psig	Daily	7.5	7.8	8	7.8	7.9		
		Between Tanks (psig)	0-20 psig	Daily	12.8	12.9	13	12.9	13		
		V-214B Pressure (psig)	0-20 psig	Daily	5.9	6.0	6	6	6		
		Which Tank is Lead?	---	Daily	A	A	A	A	A		
		Which Tank is Lag?	---	Daily	B	B	B	B	B		
	Effluent Pump Skid (Train 1)	Inlet press. pump skid, PI-3108 (psig)	< 60 psig	Daily	26.2	23.2	23	23.2	23.7		
		Bag filter differential pressure, F-118A	<15 psid	Daily	0	0	0	0	0		
		Bag filter differential pressure, F-118B	<15 psid	Daily	0	0	0	0	0		
		Upstream outlet press. pump tree (psig)	< 60 psig	Daily	22.89	24.85	19.86	19.67	19.89		
		GW flow (gpm)	0-500 gpm	Daily	338.6	338.5	338.4	338.4	338.3		
		Totalizer (Mgal)	---	Daily	553.7923	554.1814	554.7348	555.1576	555.6320		
	Effluent Pump Skid (Train 2)	Inlet press. pump skid, PI-3208 (psig)	< 60 psig	Daily	24.9	27	22	22.1	22.2		
		Bag filter differential pressure, F-218A	<15 psid	Daily	0	0	0	0	0		
		Bag filter differential pressure, F-218B	<15 psid	Daily	0	0	0	0	0		
		Upstream outlet press. pump tree (psig)	< 60 psig	Daily	22.87	24.91	19.82	19.70	19.85		
		GW flow (gpm)	0-500 gpm	Daily	218.5	218.7	217.4	218.2	217.8		
		Totalizer (Mgal)	---	Daily	434.5742	434.8173	435.1644	435.4229	435.7174		
	Backwash System	Clarifier Level (ft)	---	Daily	Cell 2 2.6'	Cell 2 2.6'	Cell 2 2.6'	Cell 2 2.6'	Cell 2 2.6'		
		Clarifier Discharged to Sump?	yes/no	Daily	No	No	No	No	No		
	Main Uninterruptable Power Supply (UPS)	Status Light	---	Daily	Green	Green	Green	Green	Green		
		Comments	---	Daily	Good	Good	Good	Good	Good		
	Sodium Hypochlorite Generator	Upstream Filter Pressure (psi)	>30 psig	Daily							
		Downstream Filter Pressure (psi)	>30 psig	Daily							
		Brine Tank Filled with Salt?	yes/no	Daily							
		Generator Inlet Pressure (psi)	>30 psig	Daily							
		Generator Faulted?	yes/no	Daily							
		Oxidant Tank Level (ft)	>2 ft	Daily							
		Train 1 Dosing Pump Faulted?	yes/no	Daily							
		Train 2 Dosing Pump Faulted?	yes/no	Daily							
		Train 1 Free Chlorine (ppm)	0.1 - 0.3 ppm	Daily		0.08					
		Train 2 Free Chlorine (ppm)	0.1 - 0.3 ppm	Daily		0.12					

Notes:

Daily and Weekly Inspection Log for the Kirtland AFB GWTS

Location	Component	Item	Normal Range	Recordation Frequency	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
					5/10/21	5/11/21	5/12/21	5/13/21	5/14/21	/ /	/ /
					Time: 1654	1556	0747	1238	1005		
HMI	Well KAFB-106228	GW flow, FT-3001 (gpm)	0-200 gpm	Daily	134	134	134	134	133		
		Wellhead Pressure (psig)	< 150 psig	Daily	61.7	61.3	61.9	613 6337	61.2		
		Water Level Above Transducer (ft)	---	Daily	10.76	10.44	10.65	1002	10.07		
	Well KAFB-106233	GW flow, FT-7001 (gpm)	0-200 gpm	Daily	160	160	160	160	160		
		Wellhead Pressure (psig)	< 150 psig	Daily	22.7	22.6	22.8	22.8 2281	22.7		
		Water Level Above Transducer (ft)	---	Daily	32.64	32.48	3218	3221	32.30		
	Well KAFB-106234	GW flow, FI-7002(gpm)	0-200 gpm	Daily	171	171	171	171	170		
		Wellhead Pressure (psig)	< 150 psig	Daily	22.9	22.9	22.9	22.9 2292	22.8		
		Water Level Above Transducer (ft)	---	Daily	23.94	23.78	23.45	23.46	23.55		
	Well KAFB-106239	GW flow, FI-7002(gpm)	0-200 gpm	Daily	74	74	74	74	74		
		Wellhead Pressure (psig)	< 150 psig	Daily	48.0	48.0	47.8	47.9 4785	47.9		
		Water Level Above Transducer (ft)	---	Daily	17.20	17.03	16.81	16.62	16.67		
	Influent Pump Skid (1)	GW flow (gpm)	0-400 gpm	Daily	335	335	335	336	335		
		Totalizer (1000 gal)	---	Daily	545202912	545524628	545746308	546148940	546448700		
		Bag filter differential pressure, F112A, PDI-3102A	<15 psid	Daily	0.33	0.33	0.33	0.33	0.33		
		Bag filter differential pressure, F112B, PDI-3102B	<15 psid	Daily	0.35	0.35	0.35	0.35	0.35		
	Influent Pump Skid (2)	GW flow (gpm)	0-400 gpm	Daily	2.1	215	215	216	215		
		Totalizer (1000 gal)	---	Daily	367057196	367083356	367108856	367108880	367108880		
		Bag filter differential pressure, F-212A, PDI-3202A	<15 psid	Daily	0.24	0.24	0.24	0.25	0.25		
		Bag filter differential pressure, F-212B, PDI-3202B	<15 psid	Daily	0.23	0.24	0.24	0.24	0.25		
	Effluent Skid Pump (1)	GW flow (gpm)	0-400 gpm	Daily	338	338	339	338	338		
		Totalizer (1000 gal)	---	Daily	607407002	607887056	608217328	608716586	609262279		
	Effluent Skid Pump (2)	GW flow (gpm)	0-400 gpm	Daily	219	218	217	218	218		
		Totalizer (1000 gal)	---	Daily	459576264	459853648	460063740	460349064	460733980		
	Injection Well KAFB-7	Pressure (psig)	0-120 psig	Daily	1.0	1.1	0.9	0.9	1.1		
		Water Level Above Transducer (ft)	10-100 ft	Daily	57.16	56.98	56.75	36.65	56.75		
	Injection Well KAFB-IN2	Upstream Pressure (psig)	0-120 psig	Daily	0.0	0.1	0.2	0.1	0.1		
		Downstream Pressure (psig)	0-120 psig	Daily	0.8	0.9	0.8	0.8	0.8		
		Water Level Above Transducer (ft)	10-100 ft	Daily	15	15	15	14	14		
	Golf Course Pond	Pond Level (ft)	0.7-3.5 ft	Daily	3.25	3.23	3.18	3.36	3.55		
HIMs	Influent Pump Skid (1)	Frequency (Hz, P112A | B)	>30 Hz	Daily	47.66 | 47.69	47.72 | 47.81	47.91 | 47.81	47.68 | 47.63	47.73 | 47.74		
		Amperage (A, P112A | B)	>10 A	Daily	10.9 | 11.1	10.9 | 11.1	11.0 | 11.2	10.9 | 11.0	10.8 | 10.9		
		Sand Filter Differential Pressure (psi)	>1 psi	Daily	9	9.5	9.7	9.9	10.1		
	Influent Pump Skid (2)	Frequency (Hz, P212A | B)	>30 Hz	Daily	42.39 | 42.40	42.76 | 42.78	42.55 | 42.59	43.24 | 43.22	44.24 | 44.22		
		Amperage (A, P212A | B)	>10 A	Daily	9.0 | 9.0	9.3 | 9.1	9.2 | 9.1	9.3 | 9.2	9.5 | 9.4		
		Sand Filter Differential Pressure (psi)	>1 psi	Daily	5	5.1	5.1	7	8.5		
	Effluent Pump Skid (1)	Frequency (Hz, P118)	>30 Hz	Daily	46.11	46.16	46.05	45.95	46.16		
		Amperage (A, P118)	>10 A	Daily	15.2	15.3	15.2	15.2	15.3		
	Effluent Pump Skid (2)	Frequency (Hz, P218)	>30 Hz	Daily	42.14	42.51	42.05	42.41	43.07		
		Amperage (A, P218)	>10 A	Daily	12.4	12.5	12.4	12.5	12.5		
	Well Vault KAFB-106228	Totalizer (Mgal)	---	Weekly	—	—	—	194.0567	—		
		GW flow, FT-3001 (gpm)	0-200 gpm	Weekly	—	—	—	129.5	—		
	Well Vault KAFB-106239	Totalizer (Mgal)	---	Weekly	—	—	—	109.7613	—		
		GW flow, FT-3001 (gpm)	0-200 gpm	Weekly	—	—	—	74.1	—		
	Well Control House KAFB-106233	Wellhead Pressure (psig)	< 150 psig	Weekly	—	—	—	95 psi	—		
		GW flow, FT-7001 (gpm)	0-200 gpm	Weekly	—	—	—	160.0	—		
		Totalizer (Mgal)	---	Weekly	—	—	—	244.1749	—		
	Well Control House KAFB-106234	Wellhead Pressure (psig)	< 150 psig	Weekly	—	—	—	77 psi	—		
		GW flow, FT-7002 (gpm)	0-200 gpm	Weekly	—	—	—	170.0	—		
		Totalizer (Mgal)	---	Weekly	—	—	—	360.4363	—		
	Well Control House	Effluent Line Pressure, PI-7005	< 150 psig	Weekly	—	—	—	1221	—		
	Well Head KAFB-7	*Totalizer (1000 gal)	---	Weekly	—	—	—	1058e5	—		
		GW flow (gpm)	0-800 gpm	Weekly	—	—	—	—	—		
	Well Head KAFB-IN2	*Totalizer (1000 gal)	---	Weekly	—	—	—	11e7265	—		
		GW flow (gpm)	0-800 gpm	Weekly	—	—	—	—	—		

Notes:

* The KAFB-7 and KAFB-IN2 Totalizer readings should be recorded weekly as well as on days when the effluent flow is changed between KAFB-7, KAFB-IN2, and the Golf Course Main Pond.

AC 76°F
VFD 24.7
Amb 60°F
Amps 30.65
Hz 49.99

Daily and Weekly Inspection Log for the Kirtland AFB GWTS

Location	Component	Item	Normal Range	Recordation Frequency	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
					5/10/21	5/11/21	5/12/21	5/13/21	5/14/21	/ /	/ /
					Time: 1644	1546	0738	1225	0957		
GWTS	Influent Pump Skid (Train 1)	Inlet pressure pump skid, PI-3102 (psig)	< 60 psig	Daily	37.5	37.5	38	38.5	37.5		
		Bag filter differential pressure, F112A, PDI-3102A	<15 psid	Daily	0.334	0.328	0.330	0.327	0.337		
		Bag filter differential pressure, F112B, PDI-3102B	<15 psid	Daily	0.343	0.350	0.351	0.347	0.349		
		Sand filter differential pressure, SF-101 (1)	---	Daily	35	34	35	35	34		
		Sand filter differential pressure, SF-101 (2)	---	Daily	29	29	29.5	29	28		
		Outlet pressure pump skid, PI-3103 (psig)	< 60 psig	Daily	13.6	13.6	13.6	13.6	13.6		
		GW flow (gpm)	0-500 gpm	Daily	335.6	335.0	334.8	335.3	335.9		
		Totalizer (Mgal)	---	Daily	541.5475	542.0026	542.3156	542.8840	543.3088		
		Bag filters changed?	yes/no	Daily	No	No	No	No	No		
	Influent Pump Skid (Train 2)	Inlet pressure pump skid, PI-3202 (psig)	< 60 psig	Daily	34	34.9	35.5	36.5	38		
		Bag filter differential pressure, F212A	<15 psid	Daily	0.233	0.236	0.236	0.243	0.254		
		Bag filter differential pressure, F212B	<15 psid	Daily	0.247	0.243	0.245	0.245	0.256		
		Sand filter differential pressure, SF-201 (1)	---	Daily	42	33	34	35	36		
		Sand filter differential pressure, SF-201 (2)	---	Daily	41	31	31	31	21		
		Outlet pressure pump skid,PI-3203, (psig)	< 60 psig	Daily	13.1	13.1	13.9	13.1	13.1		
		GW flow (gpm)	0-500 gpm	Daily	214.7	215.6	215.0	215.4	215.3		
		Totalizer (Mgal)	---	Daily	441.8039	442.0895	442.2864	442.6424	442.9702		
		Bag filters changed?	yes/no	Daily	No	No	No	No	No		
	GAC (Train 1)	V-114A Pressure, PI-3104A (psig)	0-20 psig	Daily	10.0	10.0	10.0	10.0	10.0		
		Between Tanks, PI-3105 (psig)	0-20 psig	Daily	13.0	13.0	13.0	13.0	13.0		
		V-114B Pressure, PI-3104B (psig)	0-20 psig	Daily	7.9	7.9	7.9	1.8	7.9		
		Which Tank is Lead?	---	Daily	A	A	A	A	A		
		Which Tank is Lag?	---	Daily	B	B	B	B	B		
	GAC (Train 2)	V-214A Pressure (psig)	0-20 psig	Daily	7.9	7.8	8.0	7.8	7.9		
		Between Tanks (psig)	0-20 psig	Daily	12.8	12.8	13.6	13.0	12.9		
		V-214B Pressure (psig)	0-20 psig	Daily	6	5.9	6.1	6.0	6.0		
		Which Tank is Lead?	---	Daily	A	A	A	A	A		
		Which Tank is Lag?	---	Daily	B	B	B	B	B		
	Effluent Pump Skid (Train 1)	Inlet press. pump skid, PI-3108 (psig)	< 60 psig	Daily	23.1	23.5	23.1	23.2	24.0		
		Bag filter differential pressure, F-118A	<15 psid	Daily	0	0	0	0	0		
		Bag filter differential pressure, F-118B	<15 psid	Daily	0	0	0	0	0		
		Upstream outlet press. pump tree (psig)	< 60 psig	Daily	19.97	19.84	19.77	19.70	20.47		
		GW flow (gpm)	0-500 gpm	Daily	337.8	338.4	338.1	338.6	338.0		
		Totalizer (Mgal)	---	Daily	557.2073	557.6631	557.9771	558.5461	558.9715		
	Effluent Pump Skid (Train 2)	Inlet press. pump skid, PI-3208 (psig)	< 60 psig	Daily	22.8	22.8	22.9	22.9	23.5		
		Bag filter differential pressure, F-218A	<15 psid	Daily	0	0	0	0	0		
		Bag filter differential pressure, F-218B	<15 psid	Daily	0	0	0	0	0		
		Upstream outlet press. pump tree (psig)	< 60 psig	Daily	19.91	19.81	19.87	19.71	20.35		
		GW flow (gpm)	0-500 gpm	Daily	218.5	218.8	218.1	217.9	219.0		
		Totalizer (Mgal)	---	Daily	436.6937	436.9767	437.1695	437.5234	437.7868		
	Backwash System	Clarifier Level (ft)	---	Daily	Cell 2 2.6'	Cell 2 2.6'	Cell 2 2.6'	Cell 2 2.6'	Cell 2 2.6'		
		Clarifier Discharged to Sump?	yes/no	Daily	No	No	No	No	Yes		
	Main Uninterruptable Power Supply (UPS)	Status Light	---	Daily	Green	Green	Green	Green	Green		
		Comments	---	Daily	Good	Good	Good	Good	Good		
	Sodium Hypochlorite Generator	Upstream Filter Pressure (psi)	>30 psig	Daily							
		Downstream Filter Pressure (psi)	>30 psig	Daily							
		Brine Tank Filled with Salt?	yes/no	Daily							
		Generator Inlet Pressure (psi)	>30 psig	Daily							
		Generator Faulted?	yes/no	Daily							
		Oxidant Tank Level (ft)	>2 ft	Daily	OFF	OFF	OFF	OFF	OFF		
		Train 1 Dosing Pump Faulted?	yes/no	Daily							
		Train 2 Dosing Pump Faulted?	yes/no	Daily							
		Train 1 Free Chlorine (ppm)	0.1 - 0.3 ppm	Daily					0.06		
		Train 2 Free Chlorine (ppm)	0.1 - 0.3 ppm	Daily					0.07		

Notes:

T1 Manual BW.

Daily and Weekly Inspection Log for the Kirtland AFB GWTS

Location	Component	Item	Normal Range	Recordation Frequency	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
					5/17/21	5/18/21	5/19/21	5/20/21	5/21/21	/ /	/ /
					Time: 1247	0718	0756	0936	0741		
HMI	Well KAFB-106228	GW flow, FT-3001 (gpm)	0-200 gpm	Daily	134	133	133	134	133		
		Wellhead Pressure (psig)	< 150 psig	Daily	61	61	60.8	63[00]	60.7		
		Water Level Above Transducer (ft)	---	Daily	10.06	9.99	9.82	9.67	9.75		
	Well KAFB-106233	GW flow, FT-7001 (gpm)	0-200 gpm	Daily	159	159	160	160	159		
		Wellhead Pressure (psig)	< 150 psig	Daily	22.8	23	22.7	2283	22.8		
		Water Level Above Transducer (ft)	---	Daily	32.55	32.46	32.36	3236	32.40		
	Well KAFB-106234	GW flow, FI-7002(gpm)	0-200 gpm	Daily	171	171	171	171	171		
		Wellhead Pressure (psig)	< 150 psig	Daily	22.9	23	22.9	2294	22.9		
		Water Level Above Transducer (ft)	---	Daily	23.78	23.71	23.59	23.61	23.66		
	Well KAFB-106239	GW flow, FI-7002(gpm)	0-200 gpm	Daily	74	73-74	74	74	73		
		Wellhead Pressure (psig)	< 150 psig	Daily	47.8	48	47.7	4773	47.6		
		Water Level Above Transducer (ft)	---	Daily	16.55	16.72	16.65	16.63	16.66		
	Influent Pump Skid (1)	GW flow (gpm)	0-400 gpm	Daily	336	335	335	335	335		
		Totalizer (1000 gal)	---	Daily	547492292	547758092	548103016	548,466,040	548770568		
		Bag filter differential pressure, F112A, PDI-3102A	<15 psid	Daily	0.34	0.34 0.33	0.35	.35	0.35		
		Bag filter differential pressure, F112B, PDI-3102B	<15 psid	Daily	0.35	0.36 0.34	0.36	.36	0.36		
	Influent Pump Skid (2)	GW flow (gpm)	0-400 gpm	Daily	215	215	215	215	215		
		Totalizer (1000 gal)	---	Daily	367108880	367108880	367108880	367109376	367109616		
		Bag filter differential pressure, F-212A, PDI-3202A	<15 psid	Daily	0.31	3.33	0.37	0.43	0.06		
		Bag filter differential pressure, F-212B, PDI-3202B	<15 psid	Daily	0.31	0.34	0.37	0.43	0.03		
	Effluent Skid Pump (1)	GW flow (gpm)	0-400 gpm	Daily	336	338	338	338	338		
		Totalizer (1000 gal)	---	Daily	610815485	611 202 314	611 715 506	612,256,565	612 708 937		
	Effluent Skid Pump (2)	GW flow (gpm)	0-400 gpm	Daily	217	218	219	218	217		
		Totalizer (1000 gal)	---	Daily	461724924	461 971 736	462 298 248	462,641,860	462925720		
	Injection Well KAFB-7	Pressure (psig)	0-120 psig	Daily	0.9	0.7	0.7	0.8	0.8		
		Water Level Above Transducer (ft)	10-100 ft	Daily	56.94	56.93	56.84	56.81	56.84		
	Injection Well KAFB-IN2	Upstream Pressure (psig)	0-120 psig	Daily	0.1	0.7	0.7	0.1	0.1		
		Downstream Pressure (psig)	0-120 psig	Daily	0.8	0.8	0.8	0.8	0.8		
		Water Level Above Transducer (ft)	10-100 ft	Daily	3.92	3.73	3.62	15	15		
	Golf Course Pond	Pond Level (ft)	0.7-3.5 ft	Daily	15	15	15	3.80	3.96		
HIMs	Influent Pump Skid (1)	Frequency (Hz, P112A | B)	>30 Hz	Daily	45.32 | 45.31	45.68 | 45.67	45.96 | 45.97	46.35 | 46.40	45.73 | 45.70		
		Amperage (A, P112A | B)	>10 A	Daily	10.3 | 10.6	10.4 | 10.6	10.5 | 10.7	10.70 | 10.80	10.5 | 10.6		
		Sand Filter Differential Pressure (psi)	>1 psi	Daily	5.1	6	5.5	7	6		
	Influent Pump Skid (2)	Frequency (Hz, P212A | B)	>30 Hz	Daily	45.45 | 45.41	46.28 | 46.25	46.01 | 46.00	43.11 | 43.10	44.66 | 44.68		
		Amperage (A, P212A | B)	>10 A	Daily	9.8 | 9.7	9.9 | 9.8	9.8 | 9.8	9.20 | 9.10	9.5 | 9.4		
		Sand Filter Differential Pressure (psi)	>1 psi	Daily	10.5	10.5	11	7[AL]5	5.0		
	Effluent Pump Skid (1)	Frequency (Hz, P118)	>30 Hz	Daily	45.93	45.97	46.05	46.55	46.24		
		Amperage (A, P118)	>10 A	Daily	15.1	15.2	15.3	15.40	15.4		
	Effluent Pump Skid (2)	Frequency (Hz, P218)	>30 Hz	Daily	42.40	43.07	43.55	45.04	43.49		
		Amperage (A, P218)	>10 A	Daily	12.3	12.6	12.7	13.20	12.7		
Well Vault	KAFB-106228	Totalizer (Mgal)	---	Weekly	—	—	—	195,3628	—		
		GW flow, FT-3001 (gpm)	0-200 gpm	Weekly	—	—	—	129.3	—		
Well Vault	KAFB-106239	Totalizer (Mgal)	---	Weekly	—	—	—	110,5058	—		
		GW flow, FT-3001 (gpm)	0-200 gpm	Weekly	—	—	—	73.5	—		
Well Control House	KAFB-106233	Wellhead Pressure (psig)	< 150 psig	Weekly	—	—	—	78 psi	—		
		GW flow, FT-7001 (gpm)	0-200 gpm	Weekly	—	—	—	160.1	—		
		Totalizer (Mgal)	---	Weekly	—	—	—	245,7864	—		
	KAFB-106234	Wellhead Pressure (psig)	< 150 psig	Weekly	—	—	—	95 psi	—		
		GW flow, FT-7002 (gpm)	0-200 gpm	Weekly	—	—	—	170.0	—		
		Totalizer (Mgal)	---	Weekly	—	—	—	362,1500	—		
	Well Control House	Effluent Line Pressure, PI-7005	< 150 psig	Weekly	—	—	—	22.0	—		
Well Head	KAFB-7	*Totalizer (1000 gal)	---	Weekly	—	—	—	—	1058.5		
		GW flow (gpm)	0-800 gpm	Weekly	—	—	—	—	—		
Well Head	KAFB-IN2	*Totalizer (1000 gal)	---	Weekly	—	—	—	—	11.7295		
		GW flow (gpm)	0-800 gpm	Weekly	—	—	—	—	—		

Notes:

* The KAFB-7 and KAFB-IN2 Totalizer readings should be recorded weekly as well as on days when the effluent flow is changed between KAFB-7, KAFB-IN2, and the Golf Course Main Pond.

5/19
VFO = 28.5°C
AC 76°F
H_2 50.002
Amp 30.92
Amb, 65°F

3/21 Amps
74°F Amb
30.5°C VFO
79 AC
50.320 → 50.32[2] H_2

Daily and Weekly Inspection Log for the Kirtland AFB GWTS

Location	Component	Item	Normal Range	Recordation Frequency	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
					5/17/21	5/18/21	5/19/21	05/20/21	5/21/21	/ /	/ /
					Time: 1230	0710	0746	0936	0728		
GWTS	Influent Pump Skid (Train 1)	Inlet pressure pump skid, PI-3102 (psig)	< 60 psig	Daily	34	34	34.5	35	34.4		
		Bag filter differential pressure, F112A, PDI-3102A	<15 psid	Daily	0.354	0.349	0.346	0.3463	0.344		
		Bag filter differential pressure, F112B, PDI-3102B	<15 psid	Daily	0.350	0.364	0.379	0.3672	0.368		
		Sand filter differential pressure, SF-101 (1)	---	Daily	30	31	31	31	31		
		Sand filter differential pressure, SF-101 (2)	---	Daily	29	29	29	29	29		
		Outlet pressure pump skid, PI-3103 (psig)	< 60 psig	Daily	13.6	13.8	13.8	13.8	13.8		
		GW flow (gpm)	0-500 gpm	Daily	335.0	335.1	335.2	335.2	335.1		
		Totalizer (Mgal)	---	Daily	544.7823	545.1524	545.6397	546.1911	546.5834		
		Bag filters changed?	yes/no	Daily No	40.4	~~41~~ No	No	~~No~~ No	No		
	Influent Pump Skid (Train 2)	Inlet pressure pump skid, PI-3202 (psig)	< 60 psig	Daily	0.314	41	40.6	35	39		
		Bag filter differential pressure, F212A	<15 psid	Daily	0.311	0.337	0.374	.934	0.032		
		Bag filter differential pressure, F212B	<15 psid	Daily	~~0.311~~	0.334	0.372	.428	0.062		
		Sand filter differential pressure, SF-201 (1)	---	Daily	38	39	39.5	33	36		
		Sand filter differential pressure, SF-201 (2)	---	Daily	31.5	32	31.5	31	35		
		Outlet pressure pump skid,PI-3203, (psig)	< 60 psig	Daily	14.1	13.2	13.1	13.1	14.0		
		GW flow (gpm)	0-500 gpm	Daily	214.9	215.5	215.3	215.6	215.4		
		Totalizer (Mgal)	---	Daily	443.8330	444.0695	444.3689	444.6874	444.9550		
		Bag filters changed?	yes/no	Daily	No	No	No	Yes	No		
	GAC (Train 1)	V-114A Pressure, PI-3104A (psig)	0-20 psig	Daily	10.0	10.0	10.0	10	10.0		
		Between Tanks, PI-3105 (psig)	0-20 psig	Daily	13.0	13.1	13.1	13.1	13.1		
		V-114B Pressure, PI-3104B (psig)	0-20 psig	Daily	7.9	7.9	7.9	6.5	7.9		
		Which Tank is Lead?	---	Daily	A	A	A	A	A		
		Which Tank is Lag?	---	Daily	B	B	B	B	B		
	GAC (Train 2)	V-214A Pressure (psig)	0-20 psig	Daily	8.1	7.8	7.3	7.9	8		
		Between Tanks (psig)	0-20 psig	Daily	13.9	13.0	13.1	13	13.9		
		V-214B Pressure (psig)	0-20 psig	Daily	6.1	6.0	5.6	6	6.1		
		Which Tank is Lead?	---	Daily	A	A	A	A	A		
		Which Tank is Lag?	---	Daily	B	B	B	B	B		
	Effluent Pump Skid (Train 1)	Inlet press. pump skid, PI-3108 (psig)	< 60 psig	Daily	24.8	23.1	23.5	24	24.1		
		Bag filter differential pressure, F-118A	<15 psid	Daily	0	0	0	0	0		
		Bag filter differential pressure, F-118B	<15 psid	Daily	0	0	0	0	0		
		Upstream outlet press. pump tree (psig)	< 60 psig	Daily	21.17	19.90	19.80	20.34	20.63		
		GW flow (gpm)	0-500 gpm	Daily	340.7	338.5	338.2	339.4	338.7		
		Totalizer (Mgal)	---	Daily	560.4484	560.8185	561.3075	561.8204	562.2527		
	Effluent Pump Skid (Train 2)	Inlet press. pump skid, PI-3208 (psig)	< 60 psig	Daily	24.3	23.1	23.5	24.1	24.1		
		Bag filter differential pressure, F-218A	<15 psid	Daily	0	0	0	0	0		
		Bag filter differential pressure, F-218B	<15 psid	Daily	0	0	0	0	0		
		Upstream outlet press. pump tree (psig)	< 60 psig	Daily	21.14	19.91	19.83	20.51	20.62		
		GW flow (gpm)	0-500 gpm	Daily	218.1	217.5	217.8	217.7	217.8		
		Totalizer (Mgal)	---	Daily	438.6980	438.9273	439.2272	439.5424	439.8044		
	Backwash System	Clarifier Level (ft)	---	Daily	Cell 2 2.6'	Cell 2 2.6'	Cell 2 2.6'	Cell 2 2.6'	Cell 2 2.6'		
		Clarifier Discharged to Sump?	yes/no	Daily	No	No	No	Yes	No		
	Main Uninterruptable Power Supply (UPS)	Status Light	---	Daily	Green	Green	Green	Green	Green		
		Comments	---	Daily	Good	Good	Good	Good	Good		
	Sodium Hypochlorite Generator	Upstream Filter Pressure (psi)	>30 psig	Daily							
		Downstream Filter Pressure (psi)	>30 psig	Daily							
		Brine Tank Filled with Salt?	yes/no	Daily							
		Generator Inlet Pressure (psi)	>30 psig	Daily							
		Generator Faulted?	yes/no	Daily		OFF	OFF	OFF			
		Oxidant Tank Level (ft)	>2 ft	Daily	OFF				OFF		
		Train 1 Dosing Pump Faulted?	yes/no	Daily							
		Train 2 Dosing Pump Faulted?	yes/no	Daily							
		Train 1 Free Chlorine (ppm)	0.1 - 0.3 ppm	Daily	0.29						
		Train 2 Free Chlorine (ppm)	0.1 - 0.3 ppm	Daily	0.15						

Notes:

T2 Manual BW of sand filters

Daily and Weekly Inspection Log for the Kirtland AFB GWTS

Location	Component	Item	Normal Range	Recordation Frequency	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
					5/24/21	5/25/21	5/26/21	5/27/21	5/28/21	__/__/__	__/__/__
					Time: 0843	0825	0859	1355	1013		
HMI	Well KAFB-106228	GW flow, FT-3001 (gpm)	0-200 gpm	Daily	133	133	133	133	133		
		Wellhead Pressure (psig)	< 150 psig	Daily	61.2	61.1	60.9	60.9 63.04	60.8		
		Water Level Above Transducer (ft)	---	Daily	9.80	9.70	10.2	9.96	9.99		
	Well KAFB-106233	GW flow, FT-7001 (gpm)	0-200 gpm	Daily	~~171~~ 160	160	159	160	160		
		Wellhead Pressure (psig)	< 150 psig	Daily	~~22.9~~ 22.9	22.8	22.7	22.7 22.85	22.8		
		Water Level Above Transducer (ft)	---	Daily	~~23.56~~ 3323	32.23	32.21	32.31	32.28		
	Well KAFB-106234	GW flow, FI-7002(gpm)	0-200 gpm	Daily	171	171	170	171	171		
		Wellhead Pressure (psig)	< 150 psig	Daily	22.9	22.9	22.8	22.9 22.92	22.9		
		Water Level Above Transducer (ft)	---	Daily	23.56	2355	23.59	2368	23.64		
	Well KAFB-106239	GW flow, FI-7002(gpm)	0-200 gpm	Daily	75	75	75	75	75		
		Wellhead Pressure (psig)	< 150 psig	Daily	48.1	48.2	48.1	48.1 48.11	48.1		
		Water Level Above Transducer (ft)	---	Daily	16.30	16.26	16.29	16.44	16.42		
	Influent Pump Skid (1)	GW flow (gpm)	0-400 gpm	Daily	334	335	335	335	335		
		Totalizer (1000 gal)	---	Daily	549789912	550118504	550444128	550849996	551131956		
		Bag filter differential pressure, F112A, PDI-3102A	<15 psid	Daily	0.35	0.34	0.34	0.34	0.34		
		Bag filter differential pressure, F112B, PDI-3102B	<15 psid	Daily	0.36	0.36	0.36	0.36	0.36		
	Influent Pump Skid (2)	GW flow (gpm)	0-400 gpm	Daily	215	215	215	216	215		
		Totalizer (1000 gal)	---	Daily	367110440	367110512	367114056	367114176	367114192		
		Bag filter differential pressure, F-212A, PDI-3202A	<15 psid	Daily	0.06	0.06	0.06	0.06	0.06		
		Bag filter differential pressure, F-212B, PDI-3202B	<15 psid	Daily	0.03	0.03	0.03	0.03	0.04		
	Effluent Skid Pump (1)	GW flow (gpm)	0-400 gpm	Daily	338	337	338	338	338		
		Totalizer (1000 gal)	---	Daily	614222009	614715140	615200136	615804677	616224182		
	Effluent Skid Pump (2)	GW flow (gpm)	0-400 gpm	Daily	218	218	218	218	218		
		Totalizer (1000 gal)	---	Daily	463896156	464211540	4645/7532	4649801 60	465168932		
	Injection Well KAFB-7	Pressure (psig)	0-120 psig	Daily	1.1	1.2	13.3	13.2	0.9		
		Water Level Above Transducer (ft)	10-100 ft	Daily	56.68	56.66	9107	95.59	5749		
	Injection Well KAFB-IN2	Upstream Pressure (psig)	0-120 psig	Daily	0.1	0.1	11.4	10.6	0.0		
		Downstream Pressure (psig)	0-120 psig	Daily	0.8	0.8	0.9	0.9	0.8		
		Water Level Above Transducer (ft)	10-100 ft	Daily	15	15	15	15	15		
	Golf Course Pond	Pond Level (ft)	0.7-3.5 ft	Daily	3.37	3.47	3.93	3.83	3.76		
HIMs	Influent Pump Skid (1)	Frequency (Hz, P112A | B)	>30 Hz	Daily	46.54 | 46.57	46.55 | 46.53	47.14 | 47.18	47.54 | 47.56	47.61 | 47.61		
		Amperage (A, P112A | B)	>10 A	Daily	10.7 | 10.8	10.6 | 10.8	10.8 | 10.9	10.9 | 11.1	10.9 | 11.1		
		Sand Filter Differential Pressure (psi)	>1 psi	Daily	7.5	7	8	8.5	9		
	Influent Pump Skid (2)	Frequency (Hz, P212A | B)	>30 Hz	Daily	44.16 | 44.16	45.55 | 45.50	44.06 | 44.08	44.01 | 44.09	45.64 | 45.64		
		Amperage (A, P212A | B)	>10 A	Daily	9.5 | 9.4	9.9 | 9.8	9.5 | 9.3	9.6 | 9.4	9.8 | 9.7		
		Sand Filter Differential Pressure (psi)	>1 psi	Daily	5.5	6.5	5	6	9.5		
	Effluent Pump Skid (1)	Frequency (Hz, P118)	>30 Hz	Daily	46.21	45.55	46.63	45.99	—		
		Amperage (A, P118)	>10 A	Daily	15.3	15.10	15.4	15.12	—		
	Effluent Pump Skid (2)	Frequency (Hz, P218)	>30 Hz	Daily	44.17	43.84	45.08	43.17	—		
		Amperage (A, P218)	>10 A	Daily	12.3	12.7	13.0	12.4	—		
Well Vault	KAFB-106228	Totalizer (Mgal)	---	Weekly	—	—	—	196.6531	—		
		GW flow, FT-3001 (gpm)	0-200 gpm	Weekly	—	—	—	129.0	—		
Well Vault	KAFB-106239	Totalizer (Mgal)	---	Weekly	—	—	—	111.2503	—		
		GW flow, FT-3001 (gpm)	0-200 gpm	Weekly	—	—	—	74.7	—		
Well Control House	KAFB-106233	Wellhead Pressure (psig)	< 150 psig	Weekly	—	—	—	96	—		
		GW flow, FT-7001 (gpm)	0-200 gpm	Weekly	—	—	—	160.0	—		
		Totalizer (Mgal)	---	Weekly	—	—	—	247.3832	—		
	KAFB-106234	Wellhead Pressure (psig)	< 150 psig	Weekly	—	—	—	78	—		
		GW flow, FT-7002 (gpm)	0-200 gpm	Weekly	—	—	—	170.1	—		
		Totalizer (Mgal)	---	Weekly	—	—	—	363.8523	—		
	Well Control House	Effluent Line Pressure, PI-7005	< 150 psig	Weekly	—	—	—	22.1	—		
Well Head	KAFB-7	*Totalizer (1000 gal)	---	Weekly	—	12,860	—	—	—		
		GW flow (gpm)	0-800 gpm	Weekly	—	—	—	—	—		
Well Head	KAFB-IN2	*Totalizer (1000 gal)	---	Weekly	—	1058252	—	—	—		
		GW flow (gpm)	0-800 gpm	Weekly	—	—	—	—	—		

Notes:

* The KAFB-7 and KAFB-IN2 Totalizer readings should be recorded weekly as well as on days when the effluent flow is changed between KAFB-7, KAFB-IN2, and the Golf Course Main Pond.

To Well 7 2.68 stalla

AC - 77°F
Amb 71°F
Amps 3/20
Hz 50.32

Daily and Weekly Inspection Log for the Kirtland AFB GWTS

Location	Component	Item	Normal Range	Recordation Frequency	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
					5/24/21	5/25/21	5/26/21	5/27/21	5/28/21	/ /	/ /
					Time: 0833	0812	0843	1331	1002		
GWTS	Influent Pump Skid (Train 1)	Inlet pressure pump skid, PI-3102 (psig)	< 60 psig	Daily	35.1	35.5	36.0	36.5	36.5		
		Bag filter differential pressure, F112A, PDI-3102A	<15 psid	Daily	0.346	0.340	0.344	0.338	0.349		
		Bag filter differential pressure, F112B, PDI-3102B	<15 psid	Daily	0.360	0.363	0.361	0.364	0.361		
		Sand filter differential pressure, SF-101 (1)	---	Daily	32	32	32	~~34~~ 33	33		
		Sand filter differential pressure, SF-101 (2)	---	Daily	29	29	29	29	29		
		Outlet pressure pump skid, PI-3103 (psig)	< 60 psig	Daily	13.8	13.9	13.7	13.7	13.8		
		GW flow (gpm)	0-500 gpm	Daily	335.5	335.5	334.9	335.4	335.8		
		Totalizer (Mgal)	---	Daily	548.0212	548.4898	548.9503	549.5187	549.9220		
		Bag filters changed?	yes/no	Daily	No	No	No	No	No		
	Influent Pump Skid (Train 2)	Inlet pressure pump skid, PI-3202 (psig)	< 60 psig	Daily	37	40	36.3 38	~~36.5~~ 40	~~36.5~~		
		Bag filter differential pressure, F212A	<15 psid	Daily	0.030	0.029	0.030	0.030	0.030		
		Bag filter differential pressure, F212B	<15 psid	Daily	0.062	0.062	0.061	0.060	0.060		
		Sand filter differential pressure, SF-201 (1)	---	Daily	35	38	33	37	38		
		Sand filter differential pressure, SF-201 (2)	---	Daily	32.5	36	32.5	34	32.5		
		Outlet pressure pump skid,PI-3203, (psig)	< 60 psig	Daily	13.2	13.6	13.2	14	13.9		
		GW flow (gpm)	0-500 gpm	Daily	214.9	215.5	215.0	215.0	214.8		
		Totalizer (Mgal)	---	Daily	445.8603	446.1548	446.4407	446.7970	447.0510		
		Bag filters changed?	yes/no	Daily	No	No	No	No	No		
	GAC (Train 1)	V-114A Pressure, PI-3104A (psig)	0-20 psig	Daily	10.0	10.0	10.1	10.0	10.0		
		Between Tanks, PI-3105 (psig)	0-20 psig	Daily	13.1	13.1	13.1	13.1	13.1		
		V-114B Pressure, PI-3104B (psig)	0-20 psig	Daily	7.8	7.9	7.9	7.9	7.9		
		Which Tank is Lead?	---	Daily	A	A	A	A	A		
		Which Tank is Lag?	---	Daily	B	B	B	B	B		
	GAC (Train 2)	V-214A Pressure (psig)	0-20 psig	Daily	~~7~~ 7.8	7.8	7.9	8.1	8.1		
		Between Tanks (psig)	0-20 psig	Daily	13.1	13.2	13.1	13.5	13.8		
		V-214B Pressure (psig)	0-20 psig	Daily	5.8	6.0	6.0	6.1	6.1		
		Which Tank is Lead?	---	Daily	A	A	A	A	A		
		Which Tank is Lag?	---	Daily	B	B	B	B	B		
	Effluent Pump Skid (Train 1)	Inlet press. pump skid, PI-3108 (psig)	< 60 psig	Daily	23.7	23.0	23.9	23.1	24.0		
		Bag filter differential pressure, F-118A	<15 psid	Daily	0	0	0	0	0		
		Bag filter differential pressure, F-118B	<15 psid	Daily	0	0	0	0	0		
		Upstream outlet press. pump tree (psig)	< 60 psig	Daily	20.0	19.26	20.41	19.64	20.44		
		GW flow (gpm)	0-500 gpm	Daily	338.1	338.9	338.5	338.7	338.4		
		Totalizer (Mgal)	---	Daily	563.6936	564.1627	564.6242	565.1953	565.5994		
	Effluent Pump Skid (Train 2)	Inlet press. pump skid, PI-3208 (psig)	< 60 psig	Daily	23.9	23.5	24.7	23.9	24.6		
		Bag filter differential pressure, F-218A	<15 psid	Daily	0	0	0	0	0		
		Bag filter differential pressure, F-218B	<15 psid	Daily	0	0	0	0	0		
		Upstream outlet press. pump tree (psig)	< 60 psig	Daily	19.91	19.45	20.50	19.64	20.42		
		GW flow (gpm)	0-500 gpm	Daily	218.5	218.5	218.0	218.2	218.3		
		Totalizer (Mgal)	---	Daily	440.6978	440.9885	441.2703	441.6194	441.8700		
	Backwash System	Clarifier Level (ft)	---	Daily	Cell 2 2.6	Cell 2 2.6	Cell 2 2.6	Cell 2 2.6	Cell 2 2.6		
		Clarifier Discharged to Sump?	yes/no	Daily	No	No	No	No	No		
	Main Uninterruptable Power Supply (UPS)	Status Light	---	Daily	Green	Green	Green	Green	Green		
		Comments	---	Daily	Good	Good	Good	Good	Good		
	Sodium Hypochlorite Generator	Upstream Filter Pressure (psi)	>30 psig	Daily							
		Downstream Filter Pressure (psi)	>30 psig	Daily							
		Brine Tank Filled with Salt?	yes/no	Daily							
		Generator Inlet Pressure (psi)	>30 psig	Daily							
		Generator Faulted?	yes/no	Daily	OFF						
		Oxidant Tank Level (ft)	>2 ft	Daily				OFF	PP		
		Train 1 Dosing Pump Faulted?	yes/no	Daily		OFF	OFF				
		Train 2 Dosing Pump Faulted?	yes/no	Daily							
		Train 1 Free Chlorine (ppm)	0.1 - 0.3 ppm	Daily	0.26						
		Train 2 Free Chlorine (ppm)	0.1 - 0.3 ppm	Daily	0.09						

Notes:

Daily and Weekly Inspection Log for the Kirtland AFB GWTS

Location	Component	Item	Normal Range	Recordation Frequency	Monday 6/1/21 Time: 10:12	Tuesday 6/1/21	Wednesday 6/2/21	Thursday 6/3/21	Friday 6/4/21	Saturday / /	Sunday / /
HMI	Well KAFB-106228	GW flow, FT-3001 (gpm)	0-200 gpm	Daily	133		133	133	132		
		Wellhead Pressure (psig)	< 150 psig	Daily	60.4 62.82		60.1	60.2	60		
		Water Level Above Transducer (ft)	---	Daily	9.48		9.64	9.61	9.54		
	Well KAFB-106233	GW flow, FT-7001 (gpm)	0-200 gpm	Daily	159		159	160	159		
		Wellhead Pressure (psig)	< 150 psig	Daily	22.7 22.80		22.7	22.7	23		
		Water Level Above Transducer (ft)	---	Daily	32.17		32.38	32.41	32.33		
	Well KAFB-106234	GW flow, FI-7002(gpm)	0-200 gpm	Daily	171		171	171	171		
		Wellhead Pressure (psig)	< 150 psig	Daily	22.9 22.90		22.8	22.9	23		
		Water Level Above Transducer (ft)	---	Daily	23.58		23.78	23.84	23.78		
	Well KAFB-106239	GW flow, FI-7002(gpm)	0-200 gpm	Daily	74		74	74	74		
		Wellhead Pressure (psig)	< 150 psig	Daily	48.0 47.98		48.1	48.0	48		
		Water Level Above Transducer (ft)	---	Daily	16.11		16.29	16.32	16.16		
	Influent Pump Skid (1)	GW flow (gpm)	0-400 gpm	Daily	335		335	335	335		
		Totalizer (1000 gal)	---	Daily	552471920		552848260	553208980	553499540		
		Bag filter differential pressure, F112A, PDI-3102A	<15 psid	Daily	0.34		0.35	0.35	0.35		
		Bag filter differential pressure, F112B, PDI-3102B	<15 psid	Daily	0.36		0.37	0.37	0.37		
	Influent Pump Skid (2)	GW flow (gpm)	0-400 gpm	Daily	215		215	215	215		
		Totalizer (1000 gal)	---	Daily	367117160		367117184	367117184	367117192		
		Bag filter differential pressure, F-212A, PDI-3202A	<15 psid	Daily	0.07		0.07	0.06	0.06		
		Bag filter differential pressure, F-212B, PDI-3202B	<15 psid	Daily	0.03		0.03	0.03	0.03		
	Effluent Skid Pump (1)	GW flow (gpm)	0-400 gpm	Daily	341		337	338	337		
		Totalizer (1000 gal)	---	Daily	618218928		619777550	619313832	619747272		
	Effluent Skid Pump (2)	GW flow (gpm)	0-400 gpm	Daily	218		219	218	217		
		Totalizer (1000 gal)	---	Daily	466442320		466798020	467188856	467109224		
	Injection Well KAFB-7	Pressure (psig)	0-120 psig	Daily	1.3		1.4	1.4	1.6		
		Water Level Above Transducer (ft)	10-100 ft	Daily	56.66		56.78	56.80	56.71		
	Injection Well KAFB-IN2	Upstream Pressure (psig)	0-120 psig	Daily	0.1		0.2	0.1	0.1		
		Downstream Pressure (psig)	0-120 psig	Daily	0.8 ~~0.1 PP~~		0.9	0.8	0.9		
		Water Level Above Transducer (ft)	10-100 ft	Daily	14 0.8 PP		15'	15'	15		
	Golf Course Pond	Pond Level (ft)	0.7-3.5 ft	Daily	(3.46) 14 PP		2.91'	3.28	3.50		
HIMs	Influent Pump Skid (1)	Frequency (Hz, P112A | B)	>30 Hz	Daily	47.14 | 47.19		45.78 | 45.75	46.49 | 46.51	46.18 | 46.21		
		Amperage (A, P112A | B)	>10 A	Daily	10.8 | 11.0		10.4 | 10.5	10.6 | 10.9	10.5 | 10.7		
		Sand Filter Differential Pressure (psi)	>1 psi	Daily	9.5		5.1	5.5	5.1		
	Influent Pump Skid (2)	Frequency (Hz, P212A | B)	>30 Hz	Daily	44.89 | 44.91		45.51 | 45.55	45.17 | 45.12	44.89 | 44.86		
		Amperage (A, P212A | B)	>10 A	Daily	9.5 | 9.4		9.7 | 9.6	9.6 | 9.5	9.6 | 9.5		
		Sand Filter Differential Pressure (psi)	>1 psi	Daily	6		7.5	9.0	9.9		
	Effluent Pump Skid (1)	Frequency (Hz, P118)	>30 Hz	Daily	46.20		45.72	46.60	46.49		
		Amperage (A, P118)	>10 A	Daily	15.2		15.2	15.3	15.3		
	Effluent Pump Skid (2)	Frequency (Hz, P218)	>30 Hz	Daily	44.57		44.38	45.28	44.10		
		Amperage (A, P218)	>10 A	Daily	12.9		13.0	13.1	12.8		
Well Vault	KAFB-106228	Totalizer (Mgal)	---	Weekly	197.5817		—	—	—		
		GW flow, FT-3001 (gpm)	0-200 gpm	Weekly	129.0		—	—	—		
Well Vault	KAFB-106239	Totalizer (Mgal)	---	Weekly	111.7851		—	—	—		
		GW flow, FT-3001 (gpm)	0-200 gpm	Weekly	74.3		—	—	—		
Well Control House	KAFB-106233	Wellhead Pressure (psig)	< 150 psig	Weekly	—		46 psi	—	—		
		GW flow, FT-7001 (gpm)	0-200 gpm	Weekly	139.6		—	—	—		
		Totalizer (Mgal)	---	Weekly	248.5326		—	—	—		
	KAFB-106234	Wellhead Pressure (psig)	< 150 psig	Weekly	—		77 psi	—	—		
		GW flow, FT-7002 (gpm)	0-200 gpm	Weekly	169.8		—	—	—		
		Totalizer (Mgal)	---	Weekly	365.0757		—	—	—		
	Well Control House	Effluent Line Pressure, PI-7005	< 150 psig	Weekly	22.1		—	—	—		
Well Head	KAFB-7	*Totalizer (1000 gal)	---	Weekly	—		—	—	1075.85		
		GW flow (gpm)	0-800 gpm	Weekly	—		—	—	—		
Well Head	KAFB-IN2	*Totalizer (1000 gal)	---	Weekly	—		—	—	12.8634		
		GW flow (gpm)	0-800 gpm	Weekly	—		—	—	—		

Notes:

* The KAFB-7 and KAFB-IN2 Totalizer readings should be recorded weekly as well as on days when the effluent flow is changed between KAFB-7, KAFB-IN2, and the Golf Course Main Pond.

VFD 25.1°C
AC 87°F
Amb 59°F
Amps 31.15
Hz 50.31

Daily and Weekly Inspection Log for the Kirtland AFB GWTS

Location	Component	Item	Normal Range	Recordation Frequency	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
					6/1/21	6/1/21	6/2/1	6/3/21	6/4/21	/ /	/ /
					Time: 0958	0958	1257	1410			
GWTS	Influent Pump Skid (Train 1)	Inlet pressure pump skid, PI-3102 (psig)	< 60 psig	Daily	37		33.9	34.1	34.2		
		Bag filter differential pressure, F112A, PDI-3102A	<15 psid	Daily	0.340		0.353	0.350	0.350		
		Bag filter differential pressure, F112B, PDI-3102B	<15 psid	Daily	0.364		0.374	0.372	0.370		
		Sand filter differential pressure, SF-101 (1)	---	Daily	34.5		30	31	31		
		Sand filter differential pressure, SF-101 (2)	---	Daily	29		29	29	29		
		Outlet pressure pump skid, PI-3103 (psig)	< 60 psig	Daily	13.7		13.9	13.9	13.9		
		GW flow (gpm)	0-500 gpm	Daily	335.2		334.9	335.1	335.1		
		Totalizer (Mgal)	---	Daily	551,8173		552,3511	552,8552	553,2671		
		Bag filters changed?	yes/no	Daily	No		No	No	No		
	Influent Pump Skid (Train 2)	Inlet pressure pump skid, PI-3202 (psig)	< 60 psig	Daily	38		39	41	39.6		
		Bag filter differential pressure, F212A	<15 psid	Daily	0.028		0.028	0.030	0.029		
		Bag filter differential pressure, F212B	<15 psid	Daily	0.060		0.062	0.059	0.059		
		Sand filter differential pressure, SF-201 (1)	---	Daily	36		37	38	38		
		Sand filter differential pressure, SF-201 (2)	---	Daily	32.5		32.5	32.5	32		
		Outlet pressure pump skid,PI-3203, (psig)	< 60 psig	Daily	13.2		13.2	13.9	13.9		
		GW flow (gpm)	0-500 gpm	Daily	215.5		215.2	215.4	214.9		
		Totalizer (Mgal)	---	Daily	448,2386		448,5708	448,8874	449,1443		
		Bag filters changed?	yes/no	Daily	No		No	No	No		
	GAC (Train 1)	V-114A Pressure, PI-3104A (psig)	0-20 psig	Daily	10.0		10.0	9.7	10.0		
		Between Tanks, PI-3105 (psig)	0-20 psig	Daily	13.1		13.1	13.7	13.1		
		V-114B Pressure, PI-3104B (psig)	0-20 psig	Daily	7.9		7.9	7.9	7.9		
		Which Tank is Lead?	---	Daily	A		A	A	A		
		Which Tank is Lag?	---	Daily	B		B	B	B		
	GAC (Train 2)	V-214A Pressure (psig)	0-20 psig	Daily	7.8		7.9	8.0	8.1		
		Between Tanks (psig)	0-20 psig	Daily	13.1		13.1	13.8	13.5		
		V-214B Pressure (psig)	0-20 psig	Daily	6.0		5.9	6.1	6.1		
		Which Tank is Lead?	---	Daily	A		A	A	A		
		Which Tank is Lag?	---	Daily	B		B	B	B		
	Effluent Pump Skid (Train 1)	Inlet press. pump skid, PI-3108 (psig)	< 60 psig	Daily	23.9		23.1	23.9	23.9		
		Bag filter differential pressure, F-118A	<15 psid	Daily	0		0	0	0		
		Bag filter differential pressure, F-118B	<15 psid	Daily	0		0	0	0		
		Upstream outlet press. pump tree (psig)	< 60 psig	Daily	20.07		19.55	20.37	20.17		
		GW flow (gpm)	0-500 gpm	Daily	338.6		338.5	338.6	337.5		
		Totalizer (Mgal)	---	Daily	567,4968		568,0284	568,3359	568,9507		
	Effluent Pump Skid (Train 2)	Inlet press. pump skid, PI-3208 (psig)	< 60 psig	Daily	24.8		23.9	24.9	24.8		
		Bag filter differential pressure, F-218A	<15 psid	Daily	0		0	0	0		
		Bag filter differential pressure, F-218B	<15 psid	Daily	0		0	0	0		
		Upstream outlet press. pump tree (psig)	< 60 psig	Daily	20.23		19.61	20.13	20.12		
		GW flow (gpm)	0-500 gpm	Daily	218.2		218.1	218.3	218.8		
		Totalizer (Mgal)	---	Daily	443,0425		443,3700	443,6815	443,9335		
	Backwash System	Clarifier Level (ft)	---	Daily	Cell 2 2.6'		Cell 2 2.6'	Cell 2 2.6'	Cell 2 2.6'		
		Clarifier Discharged to Sump?	yes/no	Daily	Yes		No	No	No		
	Main Uninterruptable Power Supply (UPS)	Status Light	---	Daily	Green	Green	Green	Green	Green		
		Comments	---	Daily	Good	Bowd	Good	Good	Good		
	Sodium Hypochlorite Generator	Upstream Filter Pressure (psi)	>30 psig	Daily							
		Downstream Filter Pressure (psi)	>30 psig	Daily							
		Brine Tank Filled with Salt?	yes/no	Daily							
		Generator Inlet Pressure (psi)	>30 psig	Daily							
		Generator Faulted?	yes/no	Daily							
		Oxidant Tank Level (ft)	>2 ft	Daily							
		Train 1 Dosing Pump Faulted?	yes/no	Daily							
		Train 2 Dosing Pump Faulted?	yes/no	Daily							
		Train 1 Free Chlorine (ppm)	0.1 - 0.3 ppm	Daily		0.19		0.19			
		Train 2 Free Chlorine (ppm)	0.1 - 0.3 ppm	Daily		0.18					

Notes:

T1 BW (twice)

Notable running idw

Daily and Weekly Inspection Log for the Kirtland AFB GWTS

Location	Component	Item	Normal Range	Recordation Frequency	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
					6/7/21	6/8/21	6/9/21	6/10/21	6/11/21	/ /	/ /
					Time: 0843	1150	1050	1349	1003		
HMI	Well KAFB-106228	GW flow, FT-3001 (gpm)	0-200 gpm	Daily	132	132	132	132	132		
		Wellhead Pressure (psig)	< 150 psig	Daily	60.2 62.42	60.1	60.2	60.4 62.50	59.9		
		Water Level Above Transducer (ft)	---	Daily	9.79	9.85	9.87	9.79	9.74		
	Well KAFB-106233	GW flow, FT-7001 (gpm)	0-200 gpm	Daily	159	159	159	159	159		
		Wellhead Pressure (psig)	< 150 psig	Daily	22.7 22.78	22.1	22.7	22.7	22.7		
		Water Level Above Transducer (ft)	---	Daily	32.35	32.30	32.18	32.33	32.30		
	Well KAFB-106234	GW flow, FI-7002(gpm)	0-200 gpm	Daily	170	171	171	170	170		
		Wellhead Pressure (psig)	< 150 psig	Daily	22.8 22.86	22.9	22.9	22.9	22.9		
		Water Level Above Transducer (ft)	---	Daily	23.91	23.81	23.71	23.86	23.82		
	Well KAFB-106239	GW flow, FI-7002(gpm)	0-200 gpm	Daily	74	74	74	74	74		
		Wellhead Pressure (psig)	< 150 psig	Daily	47.9 47.90	48.0	47.9	47.9	47.8		
		Water Level Above Transducer (ft)	---	Daily	16.22	16.22	16.16	16.11	16.14		
	Influent Pump Skid (1)	GW flow (gpm)	0-400 gpm	Daily	335	335	335	335	335		
		Totalizer (1000 gal)	---	Daily	554462588	554841496	555142344	555320248	555801840		
		Bag filter differential pressure, F112A, PDI-3102A	<15 psid	Daily	0.35	0.35	0.35	0.36	0.35		
		Bag filter differential pressure, F112B, PDI-3102B	<15 psid	Daily	0.37	0.37	0.37	0.37	0.37		
	Influent Pump Skid (2)	GW flow (gpm)	0-400 gpm	Daily	215	215	215	215	216		
		Totalizer (1000 gal)	---	Daily	367120088	367120120	367120800	367120832	367158016		
		Bag filter differential pressure, F-212A, PDI-3202A	<15 psid	Daily	0.06	0.06	0.06	0.06	0.07		
		Bag filter differential pressure, F-212B, PDI-3202B	<15 psid	Daily	0.03	0.03	0.03	0.03	0.03		
	Effluent Skid Pump (1)	GW flow (gpm)	0-400 gpm	Daily	338	338	338	339	338		
		Totalizer (1000 gal)	---	Daily	621181968	621746720	622194706	622752507	623171586		
	Effluent Skid Pump (2)	GW flow (gpm)	0-400 gpm	Daily	217	218	218	218	218		
		Totalizer (1000 gal)	---	Daily	467112064	467112584	467113152	467117632	467118016		
	Injection Well KAFB-7	Pressure (psig)	0-120 psig	Daily	1.6	1.6	1.6	1.6	1.6		
		Water Level Above Transducer (ft)	10-100 ft	Daily	56.78	56.63	56.52	56.63	56.60		
	Injection Well KAFB-IN2	Upstream Pressure (psig)	0-120 psig	Daily	15.3	0.1	0.4	0.1	0.1		
		Downstream Pressure (psig)	0-120 psig	Daily	13.4	0.9	0.9	0.8	0.8		
		Water Level Above Transducer (ft)	10-100 ft	Daily	58	14	14	14	14		
	Golf Course Pond	Pond Level (ft)	0.7-3.5 ft	Daily	3.48 3.56	3.23	3.23	3.80	3.66		
HIMs	Influent Pump Skid (1)	Frequency (Hz, P112A | B)	>30 Hz	Daily	46.57 | 46.50	47.09 | 47.12	47.08 | 47.08	45.82 | 45.82	45.76 | 45.77		
		Amperage (A, P112A | B)	>10 A	Daily	10.5 | 10.7	10.7 | 10.9	10.7 | 10.9	10.3 | 10.4	10.3 | 10.4		
		Sand Filter Differential Pressure (psi)	>1 psi	Daily	6.5	7	7.5	5.0	5.1		
	Influent Pump Skid (2)	Frequency (Hz, P212A | B)	>30 Hz	Daily	47.39 | 44.37	47.09 | 47.10	45.54 | 45.33	46.30 | 46.30	46.03 | 43.07		
		Amperage (A, P212A | B)	>10 A	Daily	9.5 | 9.4	10.0 | 10.0	9.6 | 9.6	9.9 | 9.8	9.1 | 7.2		
		Sand Filter Differential Pressure (psi)	>1 psi	Daily	6	11	7.0 ~~6.5~~	11	5.1		
	Effluent Pump Skid (1)	Frequency (Hz, P118)	>30 Hz	Daily	48.47	46.23	45.99	45.58	46.22		
		Amperage (A, P118)	>10 A	Daily	16.0	15.12	15.13	15.00	15.13		
	Effluent Pump Skid (2)	Frequency (Hz, P218)	>30 Hz	Daily	46.81	45.16	44.27	44.97	46.23		
		Amperage (A, P218)	>10 A	Daily	13.3	13.2	13.0	13.0	13.2		
Well Vault	KAFB-106228	Totalizer (Mgal)	---	Weekly	198,7029	—	—	199,2426	—		
		GW flow, FT-3001 (gpm)	0-200 gpm	Weekly	128.3	—	—	128.2	—		
Well Vault	KAFB-106239	Totalizer (Mgal)	---	Weekly	113,4314	—	—	—	—		
		GW flow, FT-3001 (gpm)	0-200 gpm	Weekly	74.2	—	—	—	—		
Well Control House	KAFB-106233	Wellhead Pressure (psig)	< 150 psig	Weekly	96 psi	—	—	22.81	—		
		GW flow, FT-7001 (gpm)	0-200 gpm	Weekly	159.2	—	—	159.7	—		
		Totalizer (Mgal)	---	Weekly	249,9258	—	—	250,5148	—		
	KAFB-106234	Wellhead Pressure (psig)	< 150 psig	Weekly	78 psi	—	—	22.88	—		
		GW flow, FT-7002 (gpm)	0-200 gpm	Weekly	168.6	—	—	170.0	—		
		Totalizer (Mgal)	---	Weekly	366,5588	—	—	367,2213	—		
	Well Control House	Effluent Line Pressure, PI-7005	< 150 psig	Weekly	22.0	—	—	23	—		
Well Head	KAFB-7	*Totalizer (1000 gal)	---	Weekly	—	—	—	—			
		GW flow (gpm)	0-800 gpm	Weekly	—	—	—	—			
Well Head	KAFB-IN2	*Totalizer (1000 gal)	---	Weekly	—	—	—	—			
		GW flow (gpm)	0-800 gpm	Weekly	—	—	—	—			

Notes:

* The KAFB-7 and KAFB-IN2 Totalizer readings should be recorded weekly as well as on days when the effluent flow is changed between KAFB-7, KAFB-IN2, and the Golf Course Main Pond.

AC 77°F
Amb 83°F
VFD 30.7
Amps 31.15
Hz 50.16

Daily and Weekly Inspection Log for the Kirtland AFB GWTS

Location	Component	Item	Normal Range	Recordation Frequency	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
					6/17/21	6/18/21	6/19/21	6/10/21	6/11/21	/ /	/ /
					Time: 0830	1154	1037	1337	0955		
GWTS	Influent Pump Skid (Train 1)	Inlet pressure pump skid, PI-3102 (psig)	< 60 psig	Daily	35.5	35.5	36	33.9	33.5		
		Bag filter differential pressure, F112A, PDI-3102A	<15 psid	Daily	0.352	0.348	0.350	0.354	0.353		
		Bag filter differential pressure, F112B, PDI-3102B	<15 psid	Daily	0.364	0.371	0.368	0.379	0.370		
		Sand filter differential pressure, SF-101 (1)	---	Daily	32	32	33	30	30		
		Sand filter differential pressure, SF-101 (2)	---	Daily	29	29	29	29	29		
		Outlet pressure pump skid, PI-3103 (psig)	< 60 psig	Daily	13.9	13.9	13.8	13.8	13.8		
		GW flow (gpm)	0-500 gpm	Daily	335.1	335.6	335.5	336.3	335.4		
		Totalizer (Mgal)	---	Daily	554.6277	555.1658	555.5893	556.1219	556.5237		
		Bag filters changed?	yes/no	Daily	No	No	No	No	No		
	Influent Pump Skid (Train 2)	Inlet pressure pump skid, PI-3202 (psig)	< 60 psig	Daily	38.9	42	40	40.7	34.9		
		Bag filter differential pressure, F212A	<15 psid	Daily	0.029	0.030	0.030	0.029	0.031		
		Bag filter differential pressure, F212B	<15 psid	Daily	0.058	0.064	0.062	0.063	0.062		
		Sand filter differential pressure, SF-201 (1)	---	Daily	36	39	38	29	34		
		Sand filter differential pressure, SF-201 (2)	---	Daily	33.5	32	35	31	32		
		Outlet pressure pump skid,PI-3203, (psig)	< 60 psig	Daily	13.9	13.2	14.1	13.4	13.1		
		GW flow (gpm)	0-500 gpm	Daily	215.3	215.6	215.2	215.0	215.4		
		Totalizer (Mgal)	---	Daily	449.9925	450.3311	450.5931	450.9274	451.1817		
		Bag filters changed?	yes/no	Daily	No	No	No	No	No		
	GAC (Train 1)	V-114A Pressure, PI-3104A (psig)	0-20 psig	Daily	10.0	10.0	10.0	10.1	10.0		
		Between Tanks, PI-3105 (psig)	0-20 psig	Daily	13.1	13.1	13.1	13.1	13.1		
		V-114B Pressure, PI-3104B (psig)	0-20 psig	Daily	7.9	7.9	7.9	7.9	7.9		
		Which Tank is Lead?	---	Daily	A	A	A	A	A		
		Which Tank is Lag?	---	Daily	B	B	B	B	B		
	GAC (Train 2)	V-214A Pressure (psig)	0-20 psig	Daily	5.0	7.8	8.1	7.9	7.9		
		Between Tanks (psig)	0-20 psig	Daily	13.5	13.0	13.7~~4.1~~	13.1	13.0		
		V-214B Pressure (psig)	0-20 psig	Daily	6.1	5.9	6.1	6.1	6.0		
		Which Tank is Lead?	---	Daily	A	A	A	A	A		
		Which Tank is Lag?	---	Daily	B	B	B	B	B		
	Effluent Pump Skid (Train 1)	Inlet press. pump skid, PI-3108 (psig)	< 60 psig	Daily	26.8	23.5	23.5	23.0	24		
		Bag filter differential pressure, F-118A	<15 psid	Daily	0	0	0	0	0		
		Bag filter differential pressure, F-118B	<15 psid	Daily	0	0	0	0	0		
		Upstream outlet press. pump tree (psig)	< 60 psig	Daily	23.01	19.76	20.00	19.55	20.29		
		GW flow (gpm)	0-500 gpm	Daily	337.9	338.0	338.0	338.4	338.4		
		Totalizer (Mgal)	---	Daily	570.3142	570.8536	571.2797	571.8099	572.2100		
	Effluent Pump Skid (Train 2)	Inlet press. pump skid, PI-3208 (psig)	< 60 psig	Daily	27.9	25.0	24.9	24.9	25.7		
		Bag filter differential pressure, F-218A	<15 psid	Daily	0	0	0	0	0		
		Bag filter differential pressure, F-218B	<15 psid	Daily	0	0	0	0	0		
		Upstream outlet press. pump tree (psig)	< 60 psig	Daily	23.04	19.88	19.95	19.65	20.24		
		GW flow (gpm)	0-500 gpm	Daily	218.2	217.9	218.7	218.1	218.5		
		Totalizer (Mgal)	---	Daily	444.7706	445.1056	445.3631	445.6926	445.9397		
	Backwash System	Clarifier Level (ft)	---	Daily	Cell 2 2.6'	Cell 2 2.6'	Cell 2 2.6'	Cell 2 2.6'	Cell 2 2.6'		
		Clarifier Discharged to Sump?	yes/no	Daily	No	Yes	No	No	Yes		
	Main Uninterruptable Power Supply (UPS)	Status Light	---	Daily	Green	Green	Green	Green	Green		
		Comments	---	Daily	Good	Good	Good	Good	Good		
	Sodium Hypochlorite Generator	Upstream Filter Pressure (psi)	>30 psig	Daily							
		Downstream Filter Pressure (psi)	>30 psig	Daily							
		Brine Tank Filled with Salt?	yes/no	Daily							
		Generator Inlet Pressure (psi)	>30 psig	Daily							
		Generator Faulted?	yes/no	Daily							
		Oxidant Tank Level (ft)	>2 ft	Daily							
		Train 1 Dosing Pump Faulted?	yes/no	Daily							
		Train 2 Dosing Pump Faulted?	yes/no	Daily							
		Train 1 Free Chlorine (ppm)	0.1 - 0.3 ppm	Daily			0.12				
		Train 2 Free Chlorine (ppm)	0.1 - 0.3 ppm	Daily			0.15				

Notes:

T2 back wash

~~Sa~~ T2 just back washed

Daily and Weekly Inspection Log for the Kirtland AFB GWTS

Location	Component	Item	Normal Range	Recordation Frequency	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
					6/14/21	6/15/21	6/16/21	6/17/21	6/18/21	/ /	/ /
					Time: 1013	1310	1055	~~1355~~ 1628	1153		
HMI	Well KAFB-106228	GW flow, FT-3001 (gpm)	0-200 gpm	Daily	133	132	133	133	133		
		Wellhead Pressure (psig)	< 150 psig	Daily	60.5	59.9	60	60 62.44	60.1		
		Water Level Above Transducer (ft)	---	Daily	9.47	9.61	9.4	9.44	9.67		
	Well KAFB-106233	GW flow, FT-7001 (gpm)	0-200 gpm	Daily	160	159	159	159	159		
		Wellhead Pressure (psig)	< 150 psig	Daily	22.7	22.7	23	23 22.74	22.8		
		Water Level Above Transducer (ft)	---	Daily	32.13	32.15	32.18	32.33	32.28		
	Well KAFB-106234	GW flow, FI-7002(gpm)	0-200 gpm	Daily	170	169	170	169	171		
		Wellhead Pressure (psig)	< 150 psig	Daily	22.8	22.8	23	23 22.80	22.9		
		Water Level Above Transducer (ft)	---	Daily	23.76	23.78	23.74	23.94	23.84		
	Well KAFB-106239	GW flow, FI-7002(gpm)	0-200 gpm	Daily	74	74	74	74	73		
		Wellhead Pressure (psig)	< 150 psig	Daily	47.8	47.8	48	48 47.71	47.8		
		Water Level Above Transducer (ft)	---	Daily	15.98	15.99	15.93	16.12	16.12		
	Influent Pump Skid (1)	GW flow (gpm)	0-400 gpm	Daily	336	335	335	335	335		
		Totalizer (1000 gal)	---	Daily	556809800	557183988	557489788	558789716	558166280		
		Bag filter differential pressure, F112A, PDI-3102A	<15 psid	Daily	0.35	0.35	0.33	0.33	0.32		
		Bag filter differential pressure, F112B, PDI-3102B	<15 psid	Daily	0.37	0.37	0.34	0.34	0.34		
	Influent Pump Skid (2)	GW flow (gpm)	0-400 gpm	Daily	215	216	215	215	214		
		Totalizer (1000 gal)	---	Daily	367123936	367126776	367126848	367126896	367126896		
		Bag filter differential pressure, F-212A, PDI-3202A	<15 psid	Daily	0.06	0.06	0.06	0.06	0.06		
		Bag filter differential pressure, F-212B, PDI-3202B	<15 psid	Daily	0.03	0.03	0.03	0.03	0.03		
	Effluent Skid Pump (1)	GW flow (gpm)	0-400 gpm	Daily	338	339	338	337	339		
		Totalizer (1000 gal)	---	Daily	624674090	625231578	625687610	626292416	626695418		
	Effluent Skid Pump (2)	GW flow (gpm)	0-400 gpm	Daily	218	217	218	218	218		
		Totalizer (1000 gal)	---	Daily	467120312	467120824	467121208	467121776	467122216		
	Injection Well KAFB-7	Pressure (psig)	0-120 psig	Daily	1.9	1.9	1.7	2.0	2.1		
		Water Level Above Transducer (ft)	10-100 ft	Daily	56.52	56.45	56.43	56.60	56.63		
	Injection Well KAFB-IN2	Upstream Pressure (psig)	0-120 psig	Daily	15.7	0.1	0.0	0.1	15.9		
		Downstream Pressure (psig)	0-120 psig	Daily	12.8	0.9	0.8	0.9	14.2		
		Water Level Above Transducer (ft)	10-100 ft	Daily	64	14	14	14	69-70		
	Golf Course Pond	Pond Level (ft)	0.7-3.5 ft	Daily	3.36	2.61	3.05	4.38	4.04		
HIMs	Influent Pump Skid (1)	Frequency (Hz, P112A | B)	>30 Hz	Daily	45.80 | 45.85	46.03 | 46.01	46.14 | 46.07	45.51 | 45.51	46.61 | 46.69		
		Amperage (A, P112A | B)	>10 A	Daily	10.4 | 10.6	10.4 | 10.6	10.5 | 10.7	10.3 | 10.5	10.6 | 10.8		
		Sand Filter Differential Pressure (psi)	>1 psi	Daily	5.5	6	6	7	7.5		
	Influent Pump Skid (2)	Frequency (Hz, P212A | B)	>30 Hz	Daily	46.68 | 46.66	44.98 | 48.95	44.84 | 44.78	45.51 | 45.66	45.42 | 45.40		
		Amperage (A, P212A | B)	>10 A	Daily	10.0 | 9.9	9.6 | 9.5	9.5 | 9.5	9.7 | 9.8	9.6 | 9.7		
		Sand Filter Differential Pressure (psi)	>1 psi	Daily	10.0	5.8	6	8	10.2		
	Effluent Pump Skid (1)	Frequency (Hz, P118)	>30 Hz	Daily	48.22	46.57	46.64	46.32	48.72		
		Amperage (A, P118)	>10 A	Daily	15.8	15.4	15.4	15.3	16.0		
	Effluent Pump Skid (2)	Frequency (Hz, P218)	>30 Hz	Daily	48.19	45.68	45.86	45.42	48.71		
		Amperage (A, P218)	>10 A	Daily	13.8	13.3	13.10	13.0	13.9		
	Well KAFB-106228	Totalizer (Mgal)	---	Weekly	—	—	—	200,5304	—		
		GW flow, FT-3001 (gpm)	0-200 gpm	Weekly	—	—	—	128.6	—		
	Well KAFB-106239	Totalizer (Mgal)	---	Weekly	—	—	—	143,4810	—		
		GW flow, FT-3001 (gpm)	0-200 gpm	Weekly	—	—	—	73.7	—		
	Well Control House KAFB-106233	Wellhead Pressure (psig)	< 150 psig	Weekly	—	—	—	95 psi	—		
		GW flow, FT-7001 (gpm)	0-200 gpm	Weekly	—	—	—	168.7	—		
		Totalizer (Mgal)	---	Weekly	—	—	—	368,9775	—		
	Well Control House KAFB-106234	Wellhead Pressure (psig)	< 150 psig	Weekly	—	—	—	78 psi	—		
		GW flow, FT-7002 (gpm)	0-200 gpm	Weekly	—	—	—	159.5	—		
		Totalizer (Mgal)	---	Weekly	—	—	—	252,1918	—		
	Well Control House	Effluent Line Pressure, PI-7005	< 150 psig	Weekly	—	—	—	22.1	—		
	Well Head KAFB-7	*Totalizer (1000 gal)	---	Weekly	—	—	—		—		
		GW flow (gpm)	0-800 gpm	Weekly	—	—	—		—		
	Well Head KAFB-IN2	*Totalizer (1000 gal)	---	Weekly	—	—	—	14,2394	—		
		GW flow (gpm)	0-800 gpm	Weekly	—	—	—		—		

* The KAFB-7 and KAFB-IN2 Totalizer readings should be recorded weekly as well as on days when the effluent flow is changed between KAFB-7, KAFB-IN2, and the Golf Course Main Pond.

To IN2

Notes:

6/17
1 09:18
4.04 HMZ
Pond
2.88

Amb. 81°F
AC 77°F
Hz 50.130
Amp 31.11

Daily and Weekly Inspection Log for the Kirtland AFB GWTS

Location	Component	Item	Normal Range	Recordation Frequency	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
					6/14/21	6/15/21	6/16/21	6/17/21	6/18/21	/ /	/ /
					Time: 1000	1303	1032	1615	1136		
GWTS	Influent Pump Skid (Train 1)	Inlet pressure pump skid, PI-3102 (psig)	< 60 psig	Daily	34.5	35	34.5	34.5	35.5		
		Bag filter differential pressure, F112A, PDI-3102A	<15 psid	Daily	0.347	0.350	0.3378	0.323	0.328		
		Bag filter differential pressure, F112B, PDI-3102B	<15 psid	Daily	0.373	0.374	0.3250	0.335	0.331		
		Sand filter differential pressure, SF-101 (1)	---	Daily	31	31	31	31	32		
		Sand filter differential pressure, SF-101 (2)	---	Daily	29	29	29	29	29		
		Outlet pressure pump skid, PI-3103 (psig)	< 60 psig	Daily	13.9	13.9	13.9	13.9	13.8		
		GW flow (gpm)	0-500 gpm	Daily	335.5	335.7	334.6	336.5	335.7		
		Totalizer (Mgal)	---	Daily	557.9453	558.4738	558.8944	559.4827	559.8598		
		Bag filters changed?	yes/no	Daily	No	No	Yes	No	No		
	Influent Pump Skid (Train 2)	Inlet pressure pump skid, PI-3202 (psig)	< 60 psig	Daily	41	40	~~35~~ 39	40	40		
		Bag filter differential pressure, F212A	<15 psid	Daily	0.029	0.032	0.031	0.029	0.031		
		Bag filter differential pressure, F212B	<15 psid	Daily	0.066	0.061	0.061	0.060	0.060		
		Sand filter differential pressure, SF-201 (1)	---	Daily	39	38	37	38	38		
		Sand filter differential pressure, SF-201 (2)	---	Daily	32	36	34	33	31		
		Outlet pressure pump skid,PI-3203, (psig)	< 60 psig	Daily	13.5	14.0	13.5	13.6	13.7		
		GW flow (gpm)	0-500 gpm	Daily	215.4	215.3	215.5	215.5	216.1		
		Totalizer (Mgal)	---	Daily	452.0629	452.3735	452.6586	453.0258	453.2608		
		Bag filters changed?	yes/no	Daily	No	No	NO	No	NO		
	GAC (Train 1)	V-114A Pressure, PI-3104A (psig)	0-20 psig	Daily	10.0	10.0	10.0	10.0	9.9		
		Between Tanks, PI-3105 (psig)	0-20 psig	Daily	13.1	13.1	13.1	13.1	13.1		
		V-114B Pressure, PI-3104B (psig)	0-20 psig	Daily	7.9	7.9	7.9	7.9	7.9		
		Which Tank is Lead?	---	Daily	A	A	A	A	A		
		Which Tank is Lag?	---	Daily	B	B	B	B	B		
	GAC (Train 2)	V-214A Pressure (psig)	0-20 psig	Daily	8.2	8.1	8.0	7.9	7.5		
		Between Tanks (psig)	0-20 psig	Daily	13.1	13.7	13.5	13.1	13.1		
		V-214B Pressure (psig)	0-20 psig	Daily	5.9	6.1	6.0	6.0	5.9		
		Which Tank is Lead?	---	Daily	A	A	A	A	A		
		Which Tank is Lag?	---	Daily	B	B	B	B	B		
	Effluent Pump Skid (Train 1)	Inlet press. pump skid, PI-3108 (psig)	< 60 psig	Daily	26.5	24.1	23	23.2	27.0		
		Bag filter differential pressure, F-118A	<15 psid	Daily	0	0	0	0	0		
		Bag filter differential pressure, F-118B	<15 psid	Daily	0	0	0	0	0		
		Upstream outlet press. pump tree (psig)	< 60 psig	Daily	22.84	20.84	20.5	19.29	23.72		
		GW flow (gpm)	0-500 gpm	Daily	337.8	~~338.7~~ 338.2	338.2	338.5	338.5		
		Totalizer (Mgal)	---	Daily	573.6381	574.1795	574.5981	575.1783	575.5605		
	Effluent Pump Skid (Train 2)	Inlet press. pump skid, PI-3208 (psig)	< 60 psig	Daily	28.5	26.9	25	25.9	29.9		
		Bag filter differential pressure, F-218A	<15 psid	Daily	0	0	0	0	* 3.4		
		Bag filter differential pressure, F-218B	<15 psid	Daily	0	0	0	0	* 2		
		Upstream outlet press. pump tree (psig)	< 60 psig	Daily	22.87	20.83	20.5	19.01	23.74		
		GW flow (gpm)	0-500 gpm	Daily	218.0	218.5	218.0	218.7	218.5		
		Totalizer (Mgal)	---	Daily	446.8147	447.1432	447.4031	447.7850	447.9943		
	Backwash System	Clarifier Level (ft)	---	Daily	Cell 2 2.6	Cell 2 2.6	Cell 2 2.6	Cell 2 2.6	Cell 2 2.6		
		Clarifier Discharged to Sump?	yes/no	Daily	No	Yes	NO	No	Yes		
	Main Uninterruptable Power Supply (UPS)	Status Light	---	Daily	Green	Green	Green	Green	Green		
		Comments	---	Daily	Good	Good	Good	Good	Good		
	Sodium Hypochlorite Generator	Upstream Filter Pressure (psi)	>30 psig	Daily							
		Downstream Filter Pressure (psi)	>30 psig	Daily							
		Brine Tank Filled with Salt?	yes/no	Daily							
		Generator Inlet Pressure (psi)	>30 psig	Daily							
		Generator Faulted?	yes/no	Daily							
		Oxidant Tank Level (ft)	>2 ft	Daily							
		Train 1 Dosing Pump Faulted?	yes/no	Daily							
		Train 2 Dosing Pump Faulted?	yes/no	Daily							
		Train 1 Free Chlorine (ppm)	0.1 - 0.3 ppm	Daily			0.10	—			
		Train 2 Free Chlorine (ppm)	0.1 - 0.3 ppm	Daily			0.10	—			

Notes:

~~338.7~~ 338.2

* Δ bag filters

To IN2 Train 2 BW

Daily and Weekly Inspection Log for the Kirtland AFB GWTS

Location	Component	Item	Normal Range	Recordation Frequency	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
					6/21/21	6/22/21	6/23/21	6/24/21	6/25/21	/ /	/ /
					Time: 1115	1349	1155	0823	0901		
HMI	Well KAFB-106228	GW flow, FT-3001 (gpm)	0-200 gpm	Daily	132	132	132	133	132		
		Wellhead Pressure (psig)	< 150 psig	Daily	60.0	60.4 62.6	60.5	60.5	60.3		
		Water Level Above Transducer (ft)	---	Daily	9.43	9.25	9.27	9.42	9.37		
	Well KAFB-106233	GW flow, FT-7001 (gpm)	0-200 gpm	Daily	159	159	159	159	159		
		Wellhead Pressure (psig)	< 150 psig	Daily	22.7	22.7 22.7	22.7	22.7	22.7		
		Water Level Above Transducer (ft)	---	Daily	32.17 32.17	32.13	32.13	32.02	32.05		
	Well KAFB-106234	GW flow, FI-7002(gpm)	0-200 gpm	Daily	170	171	170	170	170		
		Wellhead Pressure (psig)	< 150 psig	Daily	22.8	22.8 22.9	22.8	22.7	22.8		
		Water Level Above Transducer (ft)	---	Daily	23.69	2366	23.68	23.58	23.59		
	Well KAFB-106239	GW flow, FI-7002(gpm)	0-200 gpm	Daily	75	75	75	75	75		
		Wellhead Pressure (psig)	< 150 psig	Daily	48.4	48.5 48.6	48.4	48.4	48.3		
		Water Level Above Transducer (ft)	---	Daily	15.63	15.60	15.57	15.48	15.42		
	Influent Pump Skid (1)	GW flow (gpm)	0-400 gpm	Daily	335	335	335	335	335		
		Totalizer (1000 gal)	---	Daily	559161672	559533240	559839428	560124568	560478608		
		Bag filter differential pressure, F112A, PDI-3102A	<15 psid	Daily	0.32	0.32	0.32	0.32	0.32		
		Bag filter differential pressure, F112B, PDI-3102B	<15 psid	Daily	0.34	0.33	0.34	0.33	0.34		
	Influent Pump Skid (2)	GW flow (gpm)	0-400 gpm	Daily	215	215	216	215	215		
		Totalizer (1000 gal)	---	Daily	367127408	367128192	367128360	367128376	367129536		
		Bag filter differential pressure, F-212A, PDI-3202A	<15 psid	Daily	0.06	0.06	0.06	0.06	0.06		
		Bag filter differential pressure, F-212B, PDI-3202B	<15 psid	Daily	0.03	0.03	0.02	0.03	0.03		
	Effluent Skid Pump (1)	GW flow (gpm)	0-400 gpm	Daily	339	339	339	338	338		
		Totalizer (1000 gal)	---	Daily	628179308	628233414	629188986	629614430	630122828		
	Effluent Skid Pump (2)	GW flow (gpm)	0-400 gpm	Daily	218	218	218	219	218		
		Totalizer (1000 gal)	---	Daily	467123928	467124336	467124816	467125320	467126048		
	Injection Well KAFB-7	Pressure (psig)	0-120 psig	Daily	1.9	1.9	2.0	2.0	1.9		
		Water Level Above Transducer (ft)	10-100 ft	Daily	56.45	56.45	56.42	56.35	56.37		
	Injection Well KAFB-IN2	Upstream Pressure (psig)	0-120 psig	Daily	0.0	0.4	0.6	0.1	0.1		
		Downstream Pressure (psig)	0-120 psig	Daily	0.8	0.8	0.8	0.8	0.8		
		Water Level Above Transducer (ft)	10-100 ft	Daily	14-	14-	14-	14-	14-		
	Golf Course Pond	Pond Level (ft)	0.7-3.5 ft	Daily	2.83	3.52	3.44	3.72	3.66		
HIMs	Influent Pump Skid (1)	Frequency (Hz, P112A | B)	>30 Hz	Daily	47.41 | 47.41	48.12 | 48.12	47.18 | 47.22	48.14 | 48.18	47.09 | 47.05		
		Amperage (A, P112A | B)	>10 A	Daily	10.5 | 10.5	11.0 | 11.2	10.7 | 10.9	11.0 | 11.2	10.7 | 10.9		
		Sand Filter Differential Pressure (psi)	>1 psi	Daily	9	9	9.9	10.5	5		
	Influent Pump Skid (2)	Frequency (Hz, P212A | B)	>30 Hz	Daily	46.23 | 46.21	44.90 | 44.86	46.58 | 46.50	45.92 | 45.95	44.32 | 44.30		
		Amperage (A, P212A | B)	>10 A	Daily	9.9 | 9.8	9.5 | 9.5	9.9 | 9.9	9.8 | 9.7	9.4 | 9.4		
		Sand Filter Differential Pressure (psi)	>1 psi	Daily	11.5	5.9	9.3	10.5	5.5		
	Effluent Pump Skid (1)	Frequency (Hz, P118)	>30 Hz	Daily	46.06	45.85	45.60	46.35	45.70		
		Amperage (A, P118)	>10 A	Daily	15.12	15.10	15.10	15.13	15.10		
	Effluent Pump Skid (2)	Frequency (Hz, P218)	>30 Hz	Daily	40.75	40.46	41.25	42.06	40.67		
		Amperage (A, P218)	>10 A	Daily	12.10	11.90	12.10	12.12	12.10		
Well Vault	KAFB-106228	Totalizer (Mgal)	---	Weekly	—	201.4611	—	—	—		
		GW flow, FT-3001 (gpm)	0-200 gpm	Weekly	—	128.4	—	—	—		
Well Vault	KAFB-106239	Totalizer (Mgal)	---	Weekly	—	114.0157	—	—	—		
		GW flow, FT-3001 (gpm)	0-200 gpm	Weekly	—	74.8	—	—	—		
Well Control House	KAFB-106233	Wellhead Pressure (psig)	< 150 psig	Weekly	—	95 psi	—	—	—		
		GW flow, FT-7001 (gpm)	0-200 gpm	Weekly	—	159.4	—	—	—		
		Totalizer (Mgal)	---	Weekly	—	253.3451	—	—	—		
	KAFB-106234	Wellhead Pressure (psig)	< 150 psig	Weekly	—	75 psi	—	—	—		
		GW flow, FT-7002 (gpm)	0-200 gpm	Weekly	—	169.4	—	—	—		
		Totalizer (Mgal)	---	Weekly	—	370.2060	—	—	—		
	Well Control House	Effluent Line Pressure, PI-7005	< 150 psig	Weekly	—	22.0	—	—	—		
Well Head	KAFB-7	*Totalizer (1000 gal)	---	Weekly	—	1075e5	—	—	—		
		GW flow (gpm)	0-800 gpm	Weekly	—	—	—	—	—		
Well Head	KAFB-IN2	*Totalizer (1000 gal)	---	Weekly	—	→	—		15.3744		
		GW flow (gpm)	0-800 gpm	Weekly	—	—	—				

* The KAFB-7 and KAFB-IN2 Totalizer readings should be recorded weekly as well as on days when the effluent flow is changed between KAFB-7, KAFB-IN2, and the Golf Course Main Pond.

Notes:

(No access) new asphalt on road

76°F Amb
33.6 VFD
77F AC
5072 122
3145 Amps

Daily and Weekly Inspection Log for the Kirtland AFB GWTS

Location	Component	Item	Normal Range	Recordation Frequency	Monday 6/21/21	Tuesday 6/22/21	Wednesday 6/23/21	Thursday 6/24/21	Friday 6/25/21	Saturday / /	Sunday / /
					Time: 1107	1335	1155	0855	0850		
GWTS	Influent Pump Skid (Train 1)	Inlet pressure pump skid, PI-3102 (psig)	< 60 psig	Daily	37	37.5	37.0	37.5	36		
		Bag filter differential pressure, F112A, PDI-3102A	<15 psid	Daily	0.326	0.323	0.327	0.326	0.328		
		Bag filter differential pressure, F112B, PDI-3102B	<15 psid	Daily	0.338	0.336	0.337	0.339	0.335		
		Sand filter differential pressure, SF-101 (1)	---	Daily	33	34	34.5	36	34		
		Sand filter differential pressure, SF-101 (2)	---	Daily	29	29	29	29	32		
		Outlet pressure pump skid, PI-3103 (psig)	< 60 psig	Daily	13.9	13.8	13.9	13.8	13.8		
		GW flow (gpm)	0-500 gpm	Daily	335.4	335.4	335.0	335.3	335.5		
		Totalizer (Mgal)	---	Daily	335.4 561,2928	561,7942	562,2312	562,6444	563,1144		
		Bag filters changed?	yes/no	Daily	No	No	No	No	No		
	Influent Pump Skid (Train 2)	Inlet pressure pump skid, PI-3202 (psig)	< 60 psig	Daily	42	39	41	40	37.5		
		Bag filter differential pressure, F212A	<15 psid	Daily	0.033	0.033	0.031	0.031	0.030		
		Bag filter differential pressure, F212B	<15 psid	Daily	0.058	0.064	0.061	0.062	0.065		
		Sand filter differential pressure, SF-201 (1)	---	Daily	39	37	39	38	36		
		Sand filter differential pressure, SF-201 (2)	---	Daily	31	34.5	34	31	34		
		Outlet pressure pump skid,PI-3203, (psig)	< 60 psig	Daily	13.9	13.8	13.9	13.9	13.9		
		GW flow (gpm)	0-500 gpm	Daily	215.1	214.9	215.1	215.3	214.5		
		Totalizer (Mgal)	---	Daily	454,1379	454,4654	454,6789	454,9265	455,2275		
		Bag filters changed?	yes/no	Daily	No	No	No	No	No		
	GAC (Train 1)	V-114A Pressure, PI-3104A (psig)	0-20 psig	Daily	10.0	10.0	10.0	10.0	9.8		
		Between Tanks, PI-3105 (psig)	0-20 psig	Daily	13.1	13.1	13.1	13.1	13.0		
		V-114B Pressure, PI-3104B (psig)	0-20 psig	Daily	7.9	7.9	7.9	7.9	7.9		
		Which Tank is Lead?	---	Daily	A	A	A	A	A		
		Which Tank is Lag?	---	Daily	B	B	B	B	B		
	GAC (Train 2)	V-214A Pressure (psig)	0-20 psig	Daily	7.9	7.9	7.8	7.9	7.8		
		Between Tanks (psig)	0-20 psig	Daily	13.6	13.2	13.5	13.5	13.5		
		V-214B Pressure (psig)	0-20 psig	Daily	6.0	5.9	5.9	6.0	5.9		
		Which Tank is Lead?	---	Daily	A	A	A	A	A		
		Which Tank is Lag?	---	Daily	B	B	B	B	B		
	Effluent Pump Skid (Train 1)	Inlet press. pump skid, PI-3108 (psig)	< 60 psig	Daily	23.1	22.9 ~~22.7~~	23.2	23.1	23.1		
		Bag filter differential pressure, F-118A	<15 psid	Daily	0	0	0	0	0		
		Bag filter differential pressure, F-118B	<15 psid	Daily	0	0	0	0	0		
		Upstream outlet press. pump tree (psig)	< 60 psig	Daily	1962	1971	1991	1968	1967		
		GW flow (gpm)	0-500 gpm	Daily	337.4	338.3	337.8	338.0	338.0		
		Totalizer (Mgal)	---	Daily	576,9776	577,5002	577,9378	578,3426	578,8254		
	Effluent Pump Skid (Train 2)	Inlet press. pump skid, PI-3208 (psig)	< 60 psig	Daily	20.2	20.1	20.9	20.8	20.9		
		Bag filter differential pressure, F-218A	<15 psid	Daily	0	0	0	0	0		
		Bag filter differential pressure, F-218B	<15 psid	Daily	0	0	0	0	0		
		Upstream outlet press. pump tree (psig)	< 60 psig	Daily	19.57	19.20	19.76	19.72	19.81		
		GW flow (gpm)	0-500 gpm	Daily	217.5	218.1	218.0	218.4	218.6		
		Totalizer (Mgal)	---	Daily	448,8615	449,1823	449,3916	449,6413	449,9378		
	Backwash System	Clarifier Level (ft)	---	Daily	Cell 2 2.6'	Cell 2 2.6'	Cell 2 2.6'	Cell 2 2.6'	Cell 2 2.6'		
		Clarifier Discharged to Sump?	yes/no	Daily	Yes	No	No	Yes	Yes		
	Main Uninterruptable Power Supply (UPS)	Status Light	---	Daily	Green	Green	Green	Green	Green		
		Comments	---	Daily	Good	Good	Good	Good	Good		
	Sodium Hypochlorite Generator	Upstream Filter Pressure (psi)	>30 psig	Daily							
		Downstream Filter Pressure (psi)	>30 psig	Daily							
		Brine Tank Filled with Salt?	yes/no	Daily							
		Generator Inlet Pressure (psi)	>30 psig	Daily							
		Generator Faulted?	yes/no	Daily	OFF			OFF			
		Oxidant Tank Level (ft)	>2 ft	Daily							
		Train 1 Dosing Pump Faulted?	yes/no	Daily		OFF	OFF		OFF		
		Train 2 Dosing Pump Faulted?	yes/no	Daily							
		Train 1 Free Chlorine (ppm)	0.1 - 0.3 ppm	Daily	—			0.10	—		
		Train 2 Free Chlorine (ppm)	0.1 - 0.3 ppm	Daily	—			0.13	—		

T2 Backwash

T2 Backwash

T1 Backwash

Notes:

Daily and Weekly Inspection Log for the Kirtland AFB GWTS

Location	Component	Item	Normal Range	Recordation Frequency	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
					6/28/21	6/29/21	6/30/21	7/1/21	7/2/21	/ /	/ /
					Time: 1250	0842	0825	0802	0755		
HMI	Well KAFB-106228	GW flow, FT-3001 (gpm)	0-200 gpm	Daily	132	132	132	132	132		
		Wellhead Pressure (psig)	< 150 psig	Daily	60.0 65.50	60.1	60.1	60.1	60.4		
		Water Level Above Transducer (ft)	---	Daily	9.15	8.96	8.84	9.06	8.84		
	Well KAFB-106233	GW flow, FT-7001 (gpm)	0-200 gpm	Daily	159	159	159	159	159		
		Wellhead Pressure (psig)	< 150 psig	Daily	22.7 22.80	22.7	22.7	22.6	22.7		
		Water Level Above Transducer (ft)	---	Daily	31.92	31.82	31.79	31.84	31.8		
	Well KAFB-106234	GW flow, FI-7002(gpm)	0-200 gpm	Daily	171	171	171	170	170		
		Wellhead Pressure (psig)	< 150 psig	Daily	22.9 22.98	22.9	22.9	22.8	22.9		
		Water Level Above Transducer (ft)	---	Daily	23.45	23.35	23.28	23.38	23.33		
	Well KAFB-106239	GW flow, FI-7002(gpm)	0-200 gpm	Daily	74	74	74	74	74		
		Wellhead Pressure (psig)	< 150 psig	Daily	48.0 48.08	48.1	48.1	48.0	48.0		
		Water Level Above Transducer (ft)	---	Daily	15.52	15.42	15.27	15.40	15.34		
	Influent Pump Skid (1)	GW flow (gpm)	0-400 gpm	Daily	335	335	335	335	335		
		Totalizer (1000 gal)	---	Daily	561379532	561657544	561988580	562316196	562647544		
		Bag filter differential pressure, F112A, PDI-3102A	<15 psid	Daily	0.33	0.33	0.33	0.33	0.35		
		Bag filter differential pressure, F112B, PDI-3102B	<15 psid	Daily	0.34	0.34	0.33	0.34	0.34		
	Influent Pump Skid (2)	GW flow (gpm)	0-400 gpm	Daily	215	215	214	215			
		Totalizer (1000 gal)	---	Daily	367129824	367130928	367131000	367131032	367131048		
		Bag filter differential pressure, F-212A, PDI-3202A	<15 psid	Daily	0.06	0.06	0.07	0.06			
		Bag filter differential pressure, F-212B, PDI-3202B	<15 psid	Daily	0.03	0.04	0.03	0.03			
	Effluent Skid Pump (1)	GW flow (gpm)	0-400 gpm	Daily	338	339	338	338	337		
		Totalizer (1000 gal)	---	Daily	631465008	631480884	632372848	632860A8	633353146		
	Effluent Skid Pump (2)	GW flow (gpm)	0-400 gpm	Daily	219	218	218	218	218		
		Totalizer (1000 gal)	---	Daily	467130688	467130984	467131536	467132072	467132856		
	Injection Well KAFB-7	Pressure (psig)	0-120 psig	Daily	1.8	1.8	1.7	13.4	13.6		
		Water Level Above Transducer (ft)	10-100 ft	Daily	56.22	56.19	56.19	93.01	97.04		
	Injection Well KAFB-IN2	Upstream Pressure (psig)	0-120 psig	Daily	0.1	0.1	0.1	11.8	10.9		
		Downstream Pressure (psig)	0-120 psig	Daily	0.8	0.8	0.8	0.8	0.8		
		Water Level Above Transducer (ft)	10-100 ft	Daily	14	14	14	14	14		
	Golf Course Pond	Pond Level (ft)	0.7-3.5 ft	Daily	3.40	3.49	3.62	3.83	3.74		
HIMs	Influent Pump Skid (1)	Frequency (Hz, P112A | B)	>30 Hz	Daily	45.91 | 45.93	45.04 | 45.01	46.06 | 46.04	46.47 | 46.31	45.91 | 45.93		
		Amperage (A, P112A | B)	>10 A	Daily	10.4 | 10.5	10.2 | 10.4	10.3 | 10.7	10.6 | 10.7	10.4 | 10.6		
		Sand Filter Differential Pressure (psi)	>1 psi	Daily	5.1	5.5	5.1	6	5.5		
	Influent Pump Skid (2)	Frequency (Hz, P212A | B)	>30 Hz	Daily	46.30 | 46.50	44.19 | 44.19	45.33 | 45.33	45.59 | 45.45	44.01 | 44.01		
		Amperage (A, P212A | B)	>10 A	Daily	9.9 | 9.9	9.4 | 9.4	9.6 | 9.6	9.8 | 9.6	9.5 | 9.5		
		Sand Filter Differential Pressure (psi)	>1 psi	Daily	13	5.5	6.0	8.5	9		
	Effluent Pump Skid (1)	Frequency (Hz, P118)	>30 Hz	Daily	45.91	47.41	46.10	45.89	46.07		
		Amperage (A, P118)	>10 A	Daily	15.12	15.16	15.12	15.11	15.13		
	Effluent Pump Skid (2)	Frequency (Hz, P218)	>30 Hz	Daily	41.08	41.99	41.33	40.48	41.36		
		Amperage (A, P218)	>10 A	Daily	12.10	12.3	12.2	12.0	12.2		
Well Vault	KAFB-106228	Totalizer (Mgal)	---	Weekly	202.5020	—	—				
		GW flow, FT-3001 (gpm)	0-200 gpm	Weekly	128.2	—	—				
Well Vault	KAFB-106239	Totalizer (Mgal)	---	Weekly	114.6099	—	—				
		GW flow, FT-3001 (gpm)	0-200 gpm	Weekly	74.4	—	—				
Well Control House	KAFB-106233	Wellhead Pressure (psig)	< 150 psig	Weekly	95 psi	—	—				
		GW flow, FT-7001 (gpm)	0-200 gpm	Weekly	159.3	—	—				
		Totalizer (Mgal)	---	Weekly	254.6138	—	—				
	KAFB-106234	Wellhead Pressure (psig)	< 150 psig	Weekly	76 psi	—	—				
		GW flow, FT-7002 (gpm)	0-200 gpm	Weekly	169.8	—	—				
		Totalizer (Mgal)	---	Weekly	371.6947	—	—				
	Well Control House	Effluent Line Pressure, PI-7005	< 150 psig	Weekly	22.0	—	—				
Well Head	KAFB-7	*Totalizer (1000 gal)	---	Weekly	—	—	—				
		GW flow (gpm)	0-800 gpm	Weekly	—	—	—				
Well Head	KAFB-IN2	*Totalizer (1000 gal)	---	Weekly	—	—	—				
		GW flow (gpm)	0-800 gpm	Weekly	—	—	—				

Notes:

* The KAFB-7 and KAFB-IN2 Totalizer readings should be recorded weekly as well as on days when the effluent flow is changed between KAFB-7, KAFB-IN2, and the Golf Course Main Pond.

228 202.5155 to Well 7

Amb 68°F
VFD 21.8
Hz 50.696
Amps 31.97
AC 79°F

Daily and Weekly Inspection Log for the Kirtland AFB GWTS

Location	Component	Item	Normal Range	Recordation Frequency	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
					6/28/21	6/29/21	6/30/21	7/1/21	7/2/21	/ /	/ /
					Time: 1240	0853	0812	0750	0759		
GWTS	Influent Pump Skid (Train 1)	Inlet pressure pump skid, PI-3102 (psig)	< 60 psig	Daily	34	34	34.2	35	34.9		
		Bag filter differential pressure, F112A, PDI-3102A	<15 psid	Daily	0.329	0.326 ~~0.030~~	0.324	0.330	0.328		
		Bag filter differential pressure, F112B, PDI-3102B	<15 psid	Daily	0.338	0.338	0.337	0.337	0.334		
		Sand filter differential pressure, SF-101 (1)	---	Daily	30	30	31	31	31		
		Sand filter differential pressure, SF-101 (2)	---	Daily	29	29	29.5	29.5	29		
		Outlet pressure pump skid, PI-3103 (psig)	< 60 psig	Daily	13.9	13.9	13.9	13.9	13.9		
		GW flow (gpm)	0-500 gpm	Daily	335.7	335.8	335.1	334.9	335.6		
		Totalizer (Mgal)	---	Daily	564,3893	564,7880	565,2491	565,7134	566,1861		
		Bag filters changed?	yes/no	Daily	No	No	No	No	No		
	Influent Pump Skid (Train 2)	Inlet pressure pump skid, PI-3202 (psig)	< 60 psig	Daily	42	38.5	38.5	40	39.1		
		Bag filter differential pressure, F212A	<15 psid	Daily	0.029	0.030	0.030	0.030	0.031		
		Bag filter differential pressure, F212B	<15 psid	Daily	0.064	0.064	0.065	0.063	0.064		
		Sand filter differential pressure, SF-201 (1)	---	Daily	37	37	37.3	38	38		
		Sand filter differential pressure, SF-201 (2)	---	Daily	31	35	34	34.5	32		
		Outlet pressure pump skid,PI-3203, (psig)	< 60 psig	Daily	13.9	14.9	13.9	14.9	15.0		
		GW flow (gpm)	0-500 gpm	Daily	214.8	215.5	215.0	215.2	214.7		
		Totalizer (Mgal)	---	Daily	456,1154	456,3613	456,6513	456,9401	457,2374		
		Bag filters changed?	yes/no	Daily	No	No	No	No	No		
	GAC (Train 1)	V-114A Pressure, PI-3104A (psig)	0-20 psig	Daily	10.0	10.0	10.0	10.0	10.0		
		Between Tanks, PI-3105 (psig)	0-20 psig	Daily	13.1	13.1	13.1	13.1	13.1		
		V-114B Pressure, PI-3104B (psig)	0-20 psig	Daily	7.9	7.9	7.9	7.9	7.9 ~~8.0~~		
		Which Tank is Lead?	---	Daily	A	A	A	A	A		
		Which Tank is Lag?	---	Daily	B	B	B	B	B		
	GAC (Train 2)	V-214A Pressure (psig)	0-20 psig	Daily	7.5	8.1	7.5	8.0	8.0	~~6.6~~ 7.8 → 6.1	
		Between Tanks (psig)	0-20 psig	Daily	13.5	14.1	13.9	14.2	14.6	~~12.4~~ 13.9	
		V-214B Pressure (psig)	0-20 psig	Daily	5.8	6.1	6.1	6.1	6.1		
		Which Tank is Lead?	---	Daily	A	A	A	A	A		
		Which Tank is Lag?	---	Daily	B	B	B	B	B		
	Effluent Pump Skid (Train 1)	Inlet press. pump skid, PI-3108 (psig)	< 60 psig	Daily	23.9	23.5	23.5	23.1	23.9		
		Bag filter differential pressure, F-118A	<15 psid	Daily	0	0	0	0	0		
		Bag filter differential pressure, F-118B	<15 psid	Daily	0	0	0	0	0		
		Upstream outlet press. pump tree (psig)	< 60 psig	Daily	20.06	20.08	20.01	19.77	20.13		
		GW flow (gpm)	0-500 gpm	Daily	338.6	338.2	338.5	338.4	338.4		
		Totalizer (Mgal)	---	Daily	580,1022	580,4983	580,9639	581,4293	581,8991		
	Effluent Pump Skid (Train 2)	Inlet press. pump skid, PI-3208 (psig)	< 60 psig	Daily	21.0	21.0	21.0	20.9	21.1		
		Bag filter differential pressure, F-218A	<15 psid	Daily	0	0	0	0	0		
		Bag filter differential pressure, F-218B	<15 psid	Daily	0	0	0	0	0		
		Upstream outlet press. pump tree (psig)	< 60 psig	Daily	19.85	20.13	19.93	19.74	20.01		
		GW flow (gpm)	0-500 gpm	Daily	218.5	218.4	218.8	218.4	218.5		
		Totalizer (Mgal)	---	Daily	450,8139	451,0545	451,3435	451,6279	451,9216		
	Backwash System	Clarifier Level (ft)	---	Daily	Cell 2 2.6'	Cell 2 2.6'	Cell 2 2.6'	Cell 2 2.6'	Cell 2 2.6'		
		Clarifier Discharged to Sump?	yes/no	Daily	Yes	No	No	No	Yes		
	Main Uninterruptable Power Supply (UPS)	Status Light	---	Daily	Green	Green	Green	Green	Green		
		Comments	---	Daily	Good	Good	Good	Good	Good		
	Sodium Hypochlorite Generator	Upstream Filter Pressure (psi)	>30 psig	Daily							
		Downstream Filter Pressure (psi)	>30 psig	Daily							
		Brine Tank Filled with Salt?	yes/no	Daily							
		Generator Inlet Pressure (psi)	>30 psig	Daily							
		Generator Faulted?	yes/no	Daily		OFF			OFF		
		Oxidant Tank Level (ft)	>2 ft	Daily	OFF		OFF	ON			
		Train 1 Dosing Pump Faulted?	yes/no	Daily							
		Train 2 Dosing Pump Faulted?	yes/no	Daily							
		Train 1 Free Chlorine (ppm)	0.1 - 0.3 ppm	Daily		0.14		0.23			
		Train 2 Free Chlorine (ppm)	0.1 - 0.3 ppm	Daily		0.13		0.23	0.23		

13.2 / 7.1 / 6.1

6.1 after T2 BW + Carbon bleed cleaned out clog to gauge w/ valve, fixed

Manual BW Train 2

Notes:

MONTHLY INSPECTIONS AND RECORD FORMS

Monthly Operation and Maintenance Inspections
Vaults

Wellhead Vault KAFB-106228	Condition	Inspected by	Date/Time
wellhead vault dry and free of debris	Good	PF / JM	4-30-2021 0835
Air relief valve (ARV-3005) outlet clear			
Pressure in double wall pipe interstitial space (PI-3002) is near zero after ventvalve is opened for 2 minutes and then closed			
Piping, valves and electrical boxes are free of leaks and external corrosion			
Electrical cables, vault cover and seals intact			
Locks on electrical shed and panels intact			

Valve Vault KAFB-106228 (Louisiana inside base fence)	Condition	Inspected by	Date/Time
Vault dry and free of debris	Good	PF / JM	4/30/2021 1045 1100
Air relief valve (ARV-3008) outlet clear			
Pressure in double wall pipe interstitial space (PI-3003) is near zero after ventvalve is opened for 2 minutes and then closed			
Piping, valves and electrical boxes are free of leaks and external corrosion			
Electrical cables, vault cover and seals intact			

Wellhead Vault KAFB-106233	Condition	Inspected by	Date/Time
Vault dry and free of debris	Good	PF / JM	4/30/2021 0940
Air relief valve (ARV-4001) outlet clear			
Pressure in double wall pipe interstitial space (PI-4001) is near zero after ventvalve is opened for 2 minutes and then closed			
Piping, valves and electrical boxes are free of leaks and external corrosion			
Electrical cables, vault cover and seals intact			

Wellhead Vault KAFB-106234	Condition	Inspected by	Date/Time
Vault dry and free of debris	Good	PF / JM	4/30/2021 1005
Air relief valve (ARV-5001) outlet clear			
Pressure in double wall pipe interstitial space (PI-5001) is near zero after ventvalve is opened for 2 minutes and then closed			
Piping, valves and electrical boxes are free of leaks and external corrosion			
Electrical cables, vault cover and seals intact			

Air Release Valve Vault - Eastern Avenue	Condition	Inspected by	Date/Time
wellhead vault dry and free of debris	Good	PF / JM	4/30/2021 0958
Air relief valve (ARV-6001 and ARV-6002) outlets clear			
Piping, valves and electrical boxes are free of leaks and external corrosion			
Electrical cables intact			
Vault cover and seals intact			

Wellhead Vault KAFB-106239	Condition	Inspected by	Date/Time
Vault dry and free of debris	Good	PF / JM	4/30/2021 0855
Pressure in double wall pipe interstitial space (PI-?001) is near zero after ventvalve is opened for 2 minutes and then closed			
Piping, valves and electrical boxes are free of leaks and external corrosion			
Electrical cables, vault cover and seals intact			

Junction Vault KAFB-106239 (Ridgecrest inside base fence)	Condition	Inspected by	Date/Time
Vault dry and free of debris	Good	PF / JM	4/30/2021 1135
Piping, valves and electrical boxes are free of leaks and external corrosion			
Electrical cables, vault cover and seals intact			

Well Control House (WCH) - Gibson Avenue (inside base fence)	Condition	Inspected by	Date/Time
WCH dry and free of debris	Good	PF / JM	4/30/2021 0900
Air relief valve (ARV-3008) outlet clear			
Pressure in double wall pipe interstitial spaces (PI-7001 and PI-7002) is near zeroafter space is vented at wellhead.			
Piping, valves and electrical boxes are free of leaks and external corrosion			
Electrical cables intact			

Monthly Operation and Maintenance Inspections
Vaults

Valve Vault WCH to GWTS (Louisiana inside base fence)	Condition	Inspected by	Date/Time
Vault dry and free of debris	Good	PF / JM	4/30/2021 ~~0800~~ PF 1045-1100
Air relief valve (ARV-8001) outlet clear	↓	↓	↓
Piping, valves and electrical boxes are free of leaks and external corrosion			
Electrical cables intact			

Air Relief Valve Vaults on Discharge line (on base)	Condition	Inspected by	Date/Time
Vault dry and free of debris	Good	PF	4/30/2021 1145 - 1315
Air relief valve outlets clear	"	"	

KAFB Well 7 Wellhead	Condition	Inspected by	Date/Time
Well 7 flowmeter vault dry and free of debris	Good	PF	4/30/2021 1250
Air relief valve (ARV-9012) outlet clear	Good		
V-Smart valve hydraulic oil reservoir full	—		
Piping, valves and electrical boxes are free of leaks and external corrosion	Good		
Electrical cables intact	Good		
Filter pressure reading within green on dial	—		
Oil temperature between 90-110 degrees Farenheit	—		
Oil clear and without solids	—	↓	↓

Golf Course Main Pond	Condition	Inspected by	Date/Time
GCMP water level consistent with HMI	Good	PF	4/30/2021 1230
Discharge line clear of obstruction(s)	"	"	"

Monthly Operation and Maintenance Inspections
Vaults

Date/Inspected by: 4-30-2021 PF JM	Flowmeters										
Flowmeter Inspection Items	**FIT- 3001**	**FIT- 7001**	**FIT- 7002**	**FIT- 239**	**FIT- 3102**	**FIT- 3108**	**FIT- 3202**	**FIT- 3208**	**FIT- 3120**	**FIT- 3120**	**KAFB-7**
Flow reading operational	Good	Good	Good	Good	Good	Good	Good	Good	Good		Good
PLC totalizer functional	↓	↓	↓	↓	↓	↓	↓	↓	↓		↓
No moisture in readout	↓	↓	↓	↓	↓	↓	↓	↓	↓		↓
Free of mechanical damage	↓	↓	↓	↓	↓	↓	↓	↓	↓		↓
Readings consistent with past operations	↓	↓	↓	↓	↓	↓	↓	↓	↓		↓

FE/FIT- 3001, located in KAFB-106228 well vault. Magmeter (flow and totalizer) that measures well flow to the GWTS. — HMI read ~4 gpm over vault

FE/FIT- 7001, located in well control house. Magmeter (flow and totalizer) that measures well flow to the GWTS.

FE/FIT- 7002, located in well control house. Magmeter (flow and totalizer) that measures well flow to the GWTS.

FE/FIT- , located in KAFB-106239 well vault. Magmeter (flow and totalizer) that measures well flow to the GWTS.

FE/FIT- 3102, located on the Train 1 feed pump skid in the treatment building. Magmeter (flow and totalizer) that measures flow from the feed tank to carbon beds.

FE/FIT- 3108, located on the Train 1 discharge pump skid in the treatment building. Magmeter (flow and totalizer) that measures flow from the treated water tank to discharge line.

FE/FIT- 3202, located on the Train 2 feed pump skid in the treatment building. Magmeter (flow and totalizer) that measures flow from the feed tank to carbon beds.

FE/FIT- 3208, located on the Train 2 discharge pump skid in the treatment building. Magmeter (flow and totalizer) that measures flow from the treated water tank to discharge line.

FI/FQI- 3120, located on the effluent bypass in the treatment building. Turbine meter (local) with analog flow rate and mechanical totalizer readout in increments of 100 gallons. Measures water volume discahrged to the truck bay.

FI/FQI-KAFB-7, located in existing vault near KAFB-7. ~~Turbine~~ V-cone Digital meter with ~~analog~~ flow rate and mechanical totalizer readout in increments of 1,000 gallons. Measures injection volume into KAFB-7.

Name:	Signature:
Pete Ferrari	Pete Ferrari

Monthly Operation and Maintenance Inspections
Vaults

Wellhead Vault KAFB-106228	Condition	Inspected by	Date/Time
wellhead vault dry and free of debris	Good	PF / JM	5/27/21 0826
Air relief valve (ARV-3005) outlet clear			
Pressure in double wall pipe interstitial space (PI-3002) is near zero after ventvalve is opened for 2 minutes and then closed			
Piping, valves and electrical boxes are free of leaks and external corrosion			
Electrical cables, vault cover and seals intact			
Locks on electrical shed and panels intact			

Valve Vault KAFB-106228 (Louisiana inside base fence)	Condition	Inspected by	Date/Time
Vault dry and free of debris	Good	PF / JM	5/27/21 ~~0915~~ 1020
Air relief valve (ARV-3008) outlet clear			
Pressure in double wall pipe interstitial space (PI-3003) is near zero after ventvalve is opened for 2 minutes and then closed			
Piping, valves and electrical boxes are free of leaks and external corrosion			
Electrical cables, vault cover and seals intact			

Wellhead Vault KAFB-106233	Condition	Inspected by	Date/Time
Vault dry and free of debris	Good	PF / JM	5/27/21 0925
Air relief valve (ARV-4001) outlet clear			
Pressure in double wall pipe interstitial space (PI-4001) is near zero after ventvalve is opened for 2 minutes and then closed			
Piping, valves and electrical boxes are free of leaks and external corrosion			
Electrical cables, vault cover and seals intact			

Wellhead Vault KAFB-106234	Condition	Inspected by	Date/Time
Vault dry and free of debris	Good	PF / JM	5/27/21 0955
Air relief valve (ARV-5001) outlet clear			
Pressure in double wall pipe interstitial space (PI-5001) is near zero after ventvalve is opened for 2 minutes and then closed			
Piping, valves and electrical boxes are free of leaks and external corrosion			
Electrical cables, vault cover and seals intact			

Air Release Valve Vault - Eastern Avenue	Condition	Inspected by	Date/Time
wellhead vault dry and free of debris Empty buckets	Good	PF / JM	5/27/21 0950
Air relief valve (ARV-6001 and ARV-6002) outlets clear			
Piping, valves and electrical boxes are free of leaks and external corrosion			
Electrical cables intact			
Vault cover and seals intact			

Wellhead Vault KAFB-106239	Condition	Inspected by	Date/Time
Vault dry and free of debris	Good	PF / JM	5/27/21 0848
Pressure in double wall pipe interstitial space (PI-?001) is near zero after ventvalve is opened for 2 minutes and then closed			
Piping, valves and electrical boxes are free of leaks and external corrosion			
Electrical cables, vault cover and seals intact			

Junction Vault KAFB-106239 (Ridgecrest inside base fence)	Condition	Inspected by	Date/Time
Vault dry and free of debris	Good	PF	5/27/21 1035
Piping, valves and electrical boxes are free of leaks and external corrosion			
Electrical cables, vault cover and seals intact			

Well Control House (WCH) - Gibson Avenue (inside base fence)	Condition	Inspected by	Date/Time
WCH dry and free of debris Retrieve 5 gal bucket	Good	PF / JM	5/27/21 0810
Air relief valve (ARV-3008) outlet clear			
Pressure in double wall pipe interstitial spaces (PI-7001 and PI-7002) is near zeroafter space is vented at wellhead.			
Piping, valves and electrical boxes are free of leaks and external corrosion			
Electrical cables intact			

Monthly Operation and Maintenance Inspections
Vaults

Valve Vault WCH to GWTS (Louisiana inside base fence)	Condition	Inspected by	Date/Time
Vault dry and free of debris Standing water / shop Vac out	Good	PF / SM	5/27/21 ~~0915~~ 1020 PF
Air relief valve (ARV-8001) outlet clear	↓		
Piping, valves and electrical boxes are free of leaks and external corrosion			
Electrical cables intact			

Air Relief Valve Vaults on Discharge line (on base) Vault #3 closed ARV	Condition	Inspected by	Date/Time
Vault dry and free of debris	Good	PR	5/27/21 1100 - 1230
Air relief valve outlets clear	"	"	"

KAFB Well 7 Wellhead	Condition	Inspected by	Date/Time
Well 7 flowmeter vault dry and free of debris	Good	PF	5/27/21 1115
Air relief valve (ARV-9012) outlet clear	Good	↓	↓
V-Smart valve hydraulic oil reservoir full	NA		
Piping, valves and electrical boxes are free of leaks and external corrosion	Good		
Electrical cables intact	Good		
Filter pressure reading within green on dial	NA		
Oil temperature between 90-110 degrees Farenheit	NA		
Oil clear and without solids	NA		

Golf Course Main Pond	Condition	Inspected by	Date/Time
GCMP water level consistent with HMI	Good	PF	5/27/21 1305
Discharge line clear of obstruction(s)	"	"	"

Injection Well IN2
Totalizer, flowmeter operating properly
Nitrogen pressure is consistant (not losing pressure)
ARV outlets clear
Electrical boxes free of corrosion
Electrical Cables intact

Pete Ferrand Pete Ferrand

Monthly Operation and Maintenance Inspections
Vaults

Date/Inspected by: 5/27/21 PF/SM	Flowmeters											
Flowmeter Inspection Items	**FIT- 3001**	**FIT- 7001**	**FIT- 7002**	**FIT- 239**	**FIT- 3102**	**FIT- 3108**	**FIT- 3202**	**FIT- 3208**	**FIT- 3120**	**FIT- 3120**	**KAFB-7**	IN2
Flow reading operational	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good
PLC totalizer functional	↓	↓	↓	↓	↓	↓	↓	↓	↓	PF	↓	↓
No moisture in readout	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
Free of mechanical damage	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
Readings consistent with past operations	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓

FE/FIT- 3001, located in KAFB-106228 well vault. Magmeter (flow and totalizer) that measures well flow to the GWTS.
FE/FIT- 7001, located in well control house. Magmeter (flbw and totalizer) that measures well flow to the GWTS.
FE/FIT- 7002, located in well control house. Magmeter (flow and totalizer) that measures well flow to the GWTS.
FE/FIT- , located in KAFB-106239 well vault. Magmeter (flow and totalizer) that measures well flow to the GWTS.
FE/FIT- 3102, located on the Train 1 feed pump skid in the treatment building. Magmeter (flow and totalizer) that measures flow from the feed tank to carbon beds.
FE/FIT- 3108, located on the Train 1 discharge pump skid in the treatment building. Magmeter (flow and totalizer) that measures flow from the treated water tank to discharge line.
FE/FIT- 3202, located on the Train 2 feed pump skid in the treatment building. Magmeter (flow and totalizer) that measures flow from the feed tank to carbon beds.
FE/FIT- 3208, located on the Train 2 discharge pump skid in the treatment building. Magmeter (flow and totalizer) that measures flow from the treated water tank to discharge line.
FI/FQI- 3120, located on the effluent bypass in the treatment building. Turbine meter (local) with analog flow rate and mechanical totalizer readout in increments of 100 gallons. Measures water volume discahrged to the truck bay.
FI/FQI-KAFB-7, located in existing vault near KAFB-7. ~~Turbine meter~~ with analog flow rate and ~~mechanical~~ totalizer readout in increments of 1,000 gallons. Measures injection volume into KAFB-7.

IN2 Magnetic Meter
PF
V-cone
PF
electronic
E-rotation

Monthly Operation and Maintenance Inspections
Vaults

Wellhead Vault KAFB-106228	Condition	Inspected by	Date/Time
wellhead vault dry and free of debris Pipes sweating in vault, condensing and some pooling.	Good	PF	06/22/21 0905
Air relief valve (ARV-3005) outlet clear	Good	PF	06/22/21
Pressure in double wall pipe interstitial space (PI-3002) is near zero after ventvalve is opened for 2 minutes and then closed	Good	PF	06/22/21
Piping, valves and electrical boxes are free of leaks and external corrosion	Good	PF	06/22/21
Electrical cables, vault cover and seals intact	P-101 Panel light burned out	PF	06/22/21
Locks on electrical shed and panels intact	Good	PF	06/22/21

Valve Vault KAFB-106228 (Louisiana inside base fence)	Condition	Inspected by	Date/Time
Vault dry and free of debris	dry	PF/AS	06/22/21 1108
Air relief valve (ARV-3008) outlet clear	good		
Pressure in double wall pipe interstitial space (PI-3003) is near zero after ventvalve is opened for 2 minutes and then closed			
Piping, valves and electrical boxes are free of leaks and external corrosion			
Electrical cables, vault cover and seals intact			

Wellhead Vault KAFB-106233	Condition	Inspected by	Date/Time
Vault dry and free of debris Some moisture, should evaporate off	Good	PF/AS	6/22/2021 1008
Air relief valve (ARV-4001) outlet clear			
Pressure in double wall pipe interstitial space (PI-4001) is near zero after ventvalve is opened for 2 minutes and then closed			
Piping, valves and electrical boxes are free of leaks and external corrosion			
Electrical cables, vault cover and seals intact			

Wellhead Vault KAFB-106234	Condition	Inspected by	Date/Time
Vault dry and free of debris	dry	PF/AS	06/22/21 1038
Air relief valve (ARV-5001) outlet clear	good		
Pressure in double wall pipe interstitial space (PI-5001) is near zero after ventvalve is opened for 2 minutes and then closed			
Piping, valves and electrical boxes are free of leaks and external corrosion			
Electrical cables, vault cover and seals intact			

Air Release Valve Vault - Eastern Avenue	Condition	Inspected by	Date/Time
wellhead vault dry and free of debris	dry	PF/AS	6/22/21 1028
Air relief valve (ARV-6001 and ARV-6002) outlets clear	good		
Piping, valves and electrical boxes are free of leaks and external corrosion			
Electrical cables intact			
Vault cover and seals intact			

Wellhead Vault KAFB-106239	Condition	Inspected by	Date/Time
Vault dry and free of debris DRY / Shop vacuumed last week	Good	PF/AS	6/22/21 0926
Pressure in double wall pipe interstitial space (PI-?001) is near zero after ventvalve is opened for 2 minutes and then closed			
Piping, valves and electrical boxes are free of leaks and external corrosion			
Electrical cables, vault cover and seals intact			

Junction Vault KAFB-106239 (Ridgecrest inside base fence)	Condition	Inspected by	Date/Time
Vault dry and free of debris DRY, clean	Good	PF	6/10/2021 1310
Piping, valves and electrical boxes are free of leaks and external corrosion			
Electrical cables, vault cover and seals intact			

Well Control House (WCH) - Gibson Avenue (inside base fence)	Condition	Inspected by	Date/Time
WCH dry and free of debris	Good	PF/AS	6-22-2021 0845
Air relief valve (ARV-3008) outlet clear			
Pressure in double wall pipe interstitial spaces (PI-7001 and PI-7002) is near zeroafter space is vented at wellhead.			
Piping, valves and electrical boxes are free of leaks and external corrosion			
Electrical cables intact			

Monthly Operation and Maintenance Inspections
Vaults

Valve Vault WCH to GWTS (Louisiana inside base fence)	Condition	Inspected by	Date/Time
Vault dry and free of debris	Some Moisture	PF/AS	AS ~~6/22/21~~ 6/22/21 1108
Air relief valve (ARV-8001) outlet clear	Good		
Piping, valves and electrical boxes are free of leaks and external corrosion	↓	↓	↓ ↓
Electrical cables intact			

Air Relief Valve Vaults on Discharge line (on base) #3 is odd / Vaults 4,5,6 no access/asphalt	Condition	Inspected by	Date/Time
Vault dry and free of debris work on Pennsylvania	Good	PF	1145
Air relief valve outlets clear	"	"	

KAFB Well 7 Wellhead	Condition	Inspected by	Date/Time
Well 7 flowmeter vault dry and free of debris	Good	PF	6/22/2021 1150 – 1310
Air relief valve (ARV-9012) outlet clear	Good		
V-Smart valve hydraulic oil reservoir full	NA		
Piping, valves and electrical boxes are free of leaks and external corrosion	Good	↓	↓ ↓
Electrical cables intact	Good		
Filter pressure reading within green on dial	NA	—	—
Oil temperature between 90-110 degrees Farenheit	NA	—	—
Oil clear and without solids	NA	—	—

~~6~~ 6/22/2021 → No Access → Asphalting Pennsylvania

KAFB-IN2 Wellhead	Condition	Inspected by	Date/Time
Wellhead and piping insulation intact	Good	PF	6/22/2021 1305
Actuated valve operational and in good condition			
Air relief valve outlets clear			
Piping, valves and electrical boxes are free of leaks and external corrosion	↓	↓	↓
Electrical cables intact			

Golf Course Main Pond	Condition	Inspected by	Date/Time
GCMP water level consistent with HMI (2.22 Stadia Rod) 3.47 HMI	Good	PF	6/22/2021 1247
Discharge line clear of obstruction(s)	"	"	"

Monthly Operation and Maintenance Inspections
Vaults

Date/Inspected by: PF/AS 6-22-2021	Flowmeters										
Flowmeter Inspection Items	**FIT- 3001**	**FIT- 7001**	**FIT- 7002**	**FIT- 239**	**FIT- 3102**	**FIT- 3108**	**FIT- 3202**	**FIT- 3208**	**FIT- 3120**	**FIT- 3120**	**KAFB-7**
Flow reading operational	Good	Good	Good	Good	Good	Good	Good	Good	Good		Good
PLC totalizer functional	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓
No moisture in readout	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓
Free of mechanical damage	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓
Readings consistent with past operations	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓

INZ Good

FE/FIT- 3001, located in KAFB-106228 well vault. Magmeter (flow and totalizer) that measures well flow to the GWTS. → Needs scaling adjustment (contacted Z. & C Solutions)
FE/FIT- 7001, located in well control house. Magmeter (flow and totalizer) that measures well flow to the GWTS.
FE/FIT- 7002, located in well control house. Magmeter (flow and totalizer) that measures well flow to the GWTS.
FE/FIT- , located in KAFB-106239 well vault. Magmeter (flow and totalizer) that measures well flow to the GWTS.
FE/FIT- 3102, located on the Train 1 feed pump skid in the treatment building. Magmeter (flow and totalizer) that measures flow from the feed tank to carbon beds.
FE/FIT- 3108, located on the Train 1 discharge pump skid in the treatment building. Magmeter (flow and totalizer) that measures flow from the treated water tank to discharge line.
FE/FIT- 3202, located on the Train 2 feed pump skid in the treatment building. Magmeter (flow and totalizer) that measures flow from the feed tank to carbon beds.
FE/FIT- 3208, located on the Train 2 discharge pump skid in the treatment building. Magmeter (flow and totalizer) that measures flow from the treated water tank to discharge line.
FI/FQI- 3120, located on the effluent bypass in the treatment building. Turbine meter (local) with analog flow rate and mechanical totalizer readout in increments of 100 gallons. Measures water volume discahrged to the truck bay.
FI/FQI-KAFB-7, located in ~~existing vault~~ hot box near KAFB-7. ~~Turbine~~ V-Vane meter with analog flow rate and ~~mechanical~~ Digital totalizer readout in increments of ~~1,000~~ Exrotation gallons. Measures injection volume into KAFB-7.

Name	Signature
Pete Ferrari	Pete Ferrari

Extraction Well Filter Pack Tagging Table

Filter Pack Tagging						
Well		**KAFB-106228**	**KAFB-106233**	**KAFB-106234**	**KAFB-106239**	**Notes**
January	Date/Time	01/27/2021 0938	01/27/2021 1041	01/27/2021 1105	01/27/2021 1000	
	WL Depth (ft)	466.78	439.63	457.55	469.14	
	Filter Pack Depth (ft)	418.88	419.67	429.55	431.90	
February	Date/Time	2/23/2021 0831	2/23/2021 0941	2/23/2021 1005	2/23/2021 0801	KAFB-106239 was offline during February 2021 Tagging event
	WL Depth (ft)	466.36	444.48	456.58	457.25	
	Filter Pack Depth (ft)	419.25	420.30	428.55	432.30	
March	Date/Time	3/10/2021 0823	3/10/2021 0930	3/10/2021 1000	03/10/2021 0900	
	WL Depth (ft)	465.81	444.16	459.25	467.80	
	Filter Pack Depth (ft)	418.72	419.72	430.61	431.95	
April	Date/Time	4/30/21 0835	4/30/2021 0940	4/30/2021 1005	4/30/2021	
	WL Depth (ft)	465.25	444.26	457.41	468.65	
	Filter Pack Depth (ft)	418.44	419.67	431.22	431.90	
May	Date/Time	5/27/2001 0826	5/27/2021 0925	5/27/2021 0955	5/27/2021 0848	
	WL Depth (ft)	466.42	444.13	457.08	469.39	
	Filter Pack Depth (ft)	418.65	419.67	431.16	431.82	
June	Date/Time	6/22/2021 0905	6/22/2021 1008	6/22/2021 1038	6/22/2021 0926	
	WL Depth (ft)	467.12	444.31	457.08	470.29	
	Filter Pack Depth (ft)	418.73	419.67	431.1	431.82	
July	Date/Time					
	WL Depth (ft)					
	Filter Pack Depth (ft)					
August	Date/Time					
	WL Depth (ft)					
	Filter Pack Depth (ft)					
September	Date/Time					
	WL Depth (ft)					
	Filter Pack Depth (ft)					
October	Date/Time					
	WL Depth (ft)					
	Filter Pack Depth (ft)					
November	Date/Time					
	WL Depth (ft)					
	Filter Pack Depth (ft)					
December	Date/Time					
	WL Depth (ft)					
	Filter Pack Depth (ft)					

bgs = below ground surface
ft = feet
NM = not measured

Filter pack tagging tool reference points

Bottom of Silver mark (ft) =	429
Red mark (ft) =	429.62
Yellow mark (ft) =	429.28

Filter pack depth measurements are now made with Solinst Tag Line 351978

SHUTDOWN LOGS

Kirtland AFB GWTS System Shutdown Log

Date of shutdown	Time of shutdown	Date of restart	Time of restart	Was system completely shut down?	If No, which equipment was shut down?	Reason for shutdown	Name
3/27/21	0801 ~~1301~~	3/27/21	~~1301~~ 0804	YES ☐ NO ☐	T1 536.7443 T2 423.9423	change to GCMP	TC
3/28/21	2119	3/28/21	2122	YES ☐ NO ☐	T1 537.4815 T2 424.4070	change to IN2	TC
3/31/21	07:23	3/31/21	0729	YES ☐ NO ☐	T1 538.6379 Well 7 T2 435.1316 IN2 6.5340	change to GCMP	PF
3/31/21	1312	3/31/21	1400	YES ☐ NO ☐		Test control Panel UPS's	PF
4/3/21	~~2033~~ ~~0733~~	4/3/21	2037 ~~0937~~	YES ☐ NO ☐	T1 540.3176 Well 7 T2 426.1802 IN2 6.5340	change to IN2	TC
4/5/21	0733	4/5/21	0736	YES ☐ NO ☐	T1 541.0074 T2 426.6160 IN2	change to GCMP	PF
4/8/21	1343	4/8/21	14/8	YES ☐ NO ☐	239 ONLY HW Fault	OVER CURRENT Fault Code 12	PF
AS 4/14/21 ~~4/8/21~~ 4/8/21	2120 ~~0930~~ AS	4/8/21	2131 ~~0931~~ AS	YES ☐ NO ☐	T1 542.7070 Well 7 99,800,000 T2 427.6781 IN2 ~~8.4675~~	change to IN2	PF
4/9/21	2133	4/9/21	2140	YES ☐ NO ☐	T1 543.1864 Well 7 99,800,000 T2 427.9766 IN2 8.4645	change to GCMP	PF
4/12/21	1450	4/12/21	1454	YES ☐ NO ☐	T1 544.4785 Well 7 99800 000 T2 428.7836 IN2 8.4645	change to Well 7	PF
4/13/21	1143 ~~1301~~ PF	4/13/21	1309	YES ☐ NO ☐		Test UPS's across site	PF
4/13/21	1809	4/13/21	1811	YES ☐ NO ☐	T1 544.9900 Well 7 100665 T2 429.1032	change to GCMP	PF
4/14/21	1346	4/14/21	~~1358~~ ~~1348~~ 1358	YES ☐ NO ☐	T1 545.3761 T2 429.3442	Change to Well 2 IN2	~~TC~~
~~4~~ 5/15/21	0819	~~4~~ 5/15/21	0929 ~~02~~ PF	YES ☐ NO ☐	228, 239 P212A P212B P218	oil changes	PF

Kirtland AFB GWTS System Shutdown Log

Date of shutdown	Time of shutdown	Date of restart	Time of restart	Was system completely shut down?	If No, which equipment was shut down?	Reason for shutdown	Name
4/15/21	0938	4/15/21	1043	YES ☐ NO ☑	233, 234 P112A P112B P118	Oil Change + grease	PF
4/16/21	0340	4/16/21	0437	YES ☑ NO ☐		Faulty pressure transmitter poss. high level IN2	PF
4/16/21	0449	4/16/21	453	YES ☑ NO ☐	T1 546.1073 Well 7 1006 E5 T2 429.7972	Faulty press. Trans.; poss. IN2 high level	PF
—	—	—	—	YES ☑ NO ☐		change to Well 7	PF
4/17/21	0615	4/17/21	0617	YES ☑ NO ☐	T1 546.6127 T2 430.1119	change to GCMP	PF
4/20/21	0827	4/20/21	0829	YES ☑ NO ☐	T1 548.0837 Well 7 1015 E5 T2 431.0280 IN2	change to Well 7	PF
4/21/20	1533	04/21/21	1536	YES ☑ NO ☐	T1 584.7014 → 548.7014 T2 431.4074	Changes to GCMP	AK
4/23/21	1444	4/23/21	1447	YES ☑ NO ☐	T1 549.6375 T2 431.9877	change to Well 7	PF
4/24/21	1056	4/24/21	1059	YES ☑ NO ☐	T1 550.2767 T2 432.3859	change to GCMP	PF
4/26/21	0928	4/26/21	1631	YES ☑ NO ☐	T1 550.9585 → 550.9585 T2 432.8081	change to IN2 Develope IN2	PF
4/26/21	1700	4/26/21	1702	YES ☑ NO ☐	T1 550.9713 T2 432.8163	change to Well 7	PF
4/27/21	0600	4/27/21		YES ☑ NO ☐	T1 551.2290 T2 432.9797 1 ½ hrs	change to IN2	PF
4/27/21		4/27/21	1715	YES ☑ NO ☐	T1 551.2760 T2 433.0091	change to Well 7	PF
4/28/21	0650	4/28/21	0652	YES ☑ NO ☐	T1 551.5470 T2 433.1743	change to IN2	PF

Kirtland AFB GWTS System Shutdown Log

Date of shutdown	Time of shutdown	Date of restart	Time of restart	Was system completely shut down?	If No, which equipment was shut down?	Reason for shutdown	Name
4/28/21		4/28/21	1524	YES ☑ NO ☐	T1 551.5862 T2 433.2644	To Pond	PF
4/29/21	0601	4/29/21		YES ☑ NO ☐	T1 551.8789 T2 433.3862	To IN2	PF
4/29/21		4/29/21	1233	YES ☑ NO ☐	T1 551.8919 T2 433.3945	change to GCMP	PF
4/29/21	1659	4/29/21	1701	YES ☑ NO ☐	T1 551.9819 T2 433.4493	change to Well 7	PF
4/30/21	1254	4/30/21	1256	YES ☑ NO ☐	T1 552.3806 T2 433.6923	change to GCMP	PF
5/2/21	1638	5/2/21	1641	YES ☑ NO ☐	T1 553.4081 T2 434.3304	change to Well 7	PF
5/3/21	0729	5/3/21	0733	YES ☑ NO ☐	T1 553.7000 T2 434.5125	change to IN2	PF
5/4/21	1528	5/4/21	1530	YES ☑ NO ☐	T1 554.3327 Well 7 1058 e5 T2 434.9092 IN2 10.8437	change to GCMP	PF
5/5/21	1522	5/5/21	1524	YES ☑ NO ☐		Test power fail	PF
5/8/21	1743	5/8/21	1746	YES ☑ NO ☐	T1 556.2754 T2 436.1184	To IN2	PF
5/9/21	~~2110 PF~~	5/9/21	2112	YES ☑ NO ☐	T1 556.8183 T2 436.4512	To Pond	PF
5/21/21	2117	5/21/21	~~2124~~ 1724 PF	YES ☑ NO ☐	T1 562.5260 T2 439.9737	To IN2	PF
5/23/21	0702	5/23/21	0706	YES ☑ NO ☐	T1 563.1865 T2 440.3875	change to GCMP	PF
5/25/21	0853	5/25/21	1002	YES ☑ NO ☐		UPS checks	PF

Kirtland AFB GWTS System Shutdown Log

Date of shutdown	Time of shutdown	Date of restart	Time of restart	Was system completely shut down?	If No, which equipment was shut down?	Reason for shutdown	Name
5/25/21	1925	5/25/21	1928	YES ☑ NO ☐	T1 564.3612 Well 7 1058 e5 T2 441.1083 IN2 12.8600	change to Well 7	PF
5/27/21	2147 0947 PF	5/27/21	2150	YES ☑ NO ☐	T1 565.3571 Well 7 1075 e5 T2 441.7216 IN2 12.8600	change to GCMP	PF
6/6/21	1608	6/6/21	1618	YES ☑ NO ☐	T1 569.9923 T2 444.5729	change to IN2	AS
6/8/21	1252	6/8/21	AS 2107	YES ☑ NO ☐		test UPS'	AS
6/13/21	1947	6/13/21	1952	YES ☑ NO ☐	T1 573.3567 T2 446.6389	change to IN2	TC
6/7/21	1605	6/7/21	1609	YES ☑ NO ☐	T1 570.4621 T2 444.8638	change to GCMP	AS
6/14/21	1515	6/14/21	1517	YES ☑ NO ☐	T1 573.7377 T2 446.8762	change to GCMP	PF
~~6/17/21~~ 6/17/21	1930	~~6/18/21~~ 6/17/21	1936	YES ☑ NO ☐	T1 575.2424 T2 447.7976	change to IN2	TC
6/19/21	0718	6/19/21	0720	YES ☑ NO ☐	T1 575.9501 T2 448.2314	change to GCMP	PF
6/22/21	~~1055~~ PF 2255	6/23/21	0705	YES ☐ NO ☑	228 ONLY Possibly Homeless?	228 speed break in and shut down	PF
6/26/21	0708	6/26/21	1813	YES ☐ NO ☑	233, 234, 239 Pumps turned off	I + C Solutions checking AC Power Fail	PF
6/30/21	1543	6/30/21	1545	YES ☑ NO ☐	T1 581.1111 T2 451.4320	change to Well 7	PF
7/3/21	0808	7/3/21	0811	YES ☐ NO ☐	T1 582.3803 T2 452.2109	change to GCMP	AS
7/5/21	0959	7/5/21	1001	YES ☑ NO ☐	~~583.50~~ AS	system test	AS

APPENDIX J-2

New Mexico 811 Line Locate Tickets

Table J-2-1
NM 811 Ticket Summary for Groundwater Conveyance Line April - June 2021

Year	Month	Date	Ticket #	Status
2021	April	4/2/2021	21AP020262	UFO Cleared
		4/7/2021	21AP070345	UFO Cleared
		4/7/2021	21AP070346	UFO Cleared
		4/7/2021	21AP070385	UFO Cleared
		4/7/2021	21AP070392	UFO Cleared
		4/9/2021	21AP090301	UFO Cleared - Emergency Locate
		4/19/2021	21AP190700	UFO Cleared
		4/21/2021	21AP210126	UFO Cleared
	June	6/1/2021	21JN010102	UFO Cleared
		6/1/2021	21JN010111	UFO Cleared
		6/23/2021	21JN230042	UFO Cleared
		6/30/2021	21JN300872	UFO Cleared

UFO CLEARED = The Underground Facility Owner/Operator (UFO) has determined they do not have any underground lines in the area of excavation.

Shafer, Aspen

From: Sultana, Sharmin
Sent: Wednesday, June 23, 2021 10:32 AM
To: Shafer, Aspen
Subject: FW: NM811 Locate Ticket: 21AP020262

From: eticket@nm811.org <eticket@nm811.org>
Sent: Friday, April 2, 2021 2:15 PM
To: NM811BFF <NM811BFF@eaest.com>
Subject: NM811 Locate Ticket: 21AP020262

NM811 LOCATE REQUEST

TICKET NUMBER:	21AP020262	Update of:	
Ticket Type:	Standard Locate	For Code:	KAFB
Creation Date:	04/02/21 12:14	Seq Num:	1

Excavator Information

Company:	VALLEY FENCE COMPANY, INC	Main Contact Phone:	(505) 710-4128
Address:	1932 Coors Blvd SW	Secondary Phone:	
City, St, Zip:	Albuquerque, NM 87121	Main Contact Email:	JLACHIOMA@VALLEYFENCECOMPANY.COM
Company Phone:	(505) 877-1155	Alternate Contact:	
Company Fax:	(505) 877-5301	Alternate Contact Phone:	
Main Contact:	JOE SEPULVEDA	Alternate Contact Email:	

Work Information

State:	NM	Work To Begin:	04/06/21 AT 12:15
County:	BERNALILLO	Expire Date:	04/27/21 AT 12:15
Place:	KIRTLAND AFB		
Address:	LOUISIANA BLVD SE		
Intersection:	GIBSON BLVD SE		
Latitude:	35.058548	Longitude:	-106.568425
Secondary Lat:	35.065345	Secondary Long:	-106.564326
Work Type:	Install - Fencing	Working For:	PAE
Pre-marked:	No	Mechanical Boring:	No
Contact Prior to Locating:	No	Contact After Locating:	No

Driving Directions

Spotting Instructions

START 35 03 55.23 106 33 51.51 END 35 03 30.41 106 34 06.21 SPOT A 10 FT WIDE PATH Area Marked in White

Remarks

Hazards: None // Access: ACCESS ONTO KIRTLAND AFB // Animals: None

TRSQ: [W8T10NR03ES25SE] [W8T10NR03ES36NE] [W8T10NR04ES30NW] [W8T10NR04ES30SW] [W8T10NR04ES31NW]

Utilities Notified:

Code	Name	Manually Added
ABQSD	CITY OF ALBUQUERQUE - STORM DRAINS	False
ABQSL	CITY OF ALBUQUERQUE - STREET LIGHTING DEPT	False
ABQWA	ALBUQUERQUE/BERNALILLO COUNTY WUA	False
ADBC	ADB COMPANIES	False
COA	CITY OF ALBUQUERQUE	False
JONE	COMCAST - ALBUQUERQUE	False
KAFB	KIRTLAND AIR FORCE BASE	False
MCI1	MCI CABLE SEC	False
NMGAQ	NEW MEXICO GAS COMPANY - ALBUQUERQUE	False
PNMAB	PNM ELECTRIC - ALBUQUERQUE	False
QLNN	CENTURYLINK LOCAL NETWORK CENTRAL	False
UPN	UNITE PRIVATE NETWORKS, LLC	False

Shafer, Aspen

From: Sultana, Sharmin
Sent: Wednesday, June 23, 2021 10:31 AM
To: Shafer, Aspen
Subject: FW: NM811 Locate Ticket: 21AP070345

From: eticket@nm811.org <eticket@nm811.org>
Sent: Wednesday, April 7, 2021 12:43 PM
To: NM811BFF <NM811BFF@eaest.com>
Subject: NM811 Locate Ticket: 21AP070345

NM811 LOCATE REQUEST

TICKET NUMBER:	21AP070345	Update of:	
Ticket Type:	Standard Locate	For Code:	KAFB
Creation Date:	04/07/21 10:42	Seq Num:	1

Excavator Information

Company:	American Power	Main Contact Phone:	(505) 379-0729
Address:	4921 Alexander Blvd NE suite C	Secondary Phone:	5055081705
City, St, Zip:	Albuquerque, NM 87107	Main Contact Email:	patrick.garcia@AMRPWR.com
Company Phone:	(505) 508-1705	Alternate Contact:	SHAWN LAVERY
Company Fax:		Alternate Contact Phone:	(505) 506-6425
Main Contact:	Patrick Garcia	Alternate Contact Email:	

Work Information

State:	NM	Work To Begin:	04/09/21 AT 10:45
County:	BERNALILLO	Expire Date:	04/30/21 AT 10:45
Place:	ALBUQUERQUE		
Address:	1013 INDIANA ST SE		
Intersection:	ROSS AVE SE		
Latitude:	35.061131	Longitude:	-106.571586
Secondary Lat:	35.061265	Secondary Long:	-106.571452
Work Type:	Setting - Poles	Working For:	PNM
Pre-marked:	Yes	Mechanical Boring:	No
Contact Prior to Locating:	No	Contact After Locating:	No

Driving Directions

Spotting Instructions

20FT RADIUS OF EXISTING POLE #H17D041 MARKED IN WHITE IN ALLEY BEHIND ADDRESS

Remarks

NO HAZARDS OPEN ACCESS

TRSQ: [W8T10NR03ES25SE]

Utilities Notified:

Code	Name	Manually Added
ABQWA	ALBUQUERQUE/BERNALILLO COUNTY WUA	False
KAFB	KIRTLAND AIR FORCE BASE	False
NMGAQ	NEW MEXICO GAS COMPANY - ALBUQUERQUE	False

Shafer, Aspen

From: Sultana, Sharmin
Sent: Wednesday, June 23, 2021 10:31 AM
To: Shafer, Aspen
Subject: FW: NM811 Locate Ticket: 21AP070346

From: eticket@nm811.org <eticket@nm811.org>
Sent: Wednesday, April 7, 2021 12:43 PM
To: NM811BFF <NM811BFF@eaest.com>
Subject: NM811 Locate Ticket: 21AP070346

NM811 LOCATE REQUEST

TICKET NUMBER:	21AP070346	Update of:	
Ticket Type:	Standard Locate	For Code:	KAFB
Creation Date:	04/07/21 10:43	Seq Num:	2

Excavator Information

Company:	American Power	Main Contact Phone:	(505) 379-0729
Address:	4921 Alexander Blvd NE suite C	Secondary Phone:	5055081705
City, St, Zip:	Albuquerque, NM 87107	Main Contact Email:	patrick.garcia@AMRPWR.com
Company Phone:	(505) 508-1705	Alternate Contact:	SHAWN LAVERY
Company Fax:		Alternate Contact Phone:	(505) 506-6425
Main Contact:	Patrick Garcia	Alternate Contact Email:	

Work Information

State:	NM	Work To Begin:	04/09/21 AT 10:45
County:	BERNALILLO	Expire Date:	04/30/21 AT 10:45
Place:	ALBUQUERQUE		
Address:	1005 INDIANA ST SE		
Intersection:	ROSS AVE SE		
Latitude:	35.061544	Longitude:	-106.571581
Secondary Lat:	35.061678	Secondary Long:	-106.571447
Work Type:	Setting - Poles	Working For:	PNM
Pre-marked:	Yes	Mechanical Boring:	No
Contact Prior to Locating:	No	Contact After Locating:	No

Driving Directions

Spotting Instructions

20FT RADIUS OF EXISTING POLE #H17D020 MARKED IN WHITE IN ALLEY BEHIND ADDRESS.

Remarks

NO HAZARDS OPEN ACCESS

TRSQ: [W8T10NR03ES25SE]

Utilities Notified:

Code	Name	Manually Added
ABQWA	ALBUQUERQUE/BERNALILLO COUNTY WUA	False
KAFB	KIRTLAND AIR FORCE BASE	False
NMGAQ	NEW MEXICO GAS COMPANY - ALBUQUERQUE	False

Shafer, Aspen

From: Sultana, Sharmin
Sent: Wednesday, June 23, 2021 10:31 AM
To: Shafer, Aspen
Subject: FW: NM811 Locate Ticket: 21AP070385

From: eticket@nm811.org <eticket@nm811.org>
Sent: Wednesday, April 7, 2021 1:17 PM
To: NM811BFF <NM811BFF@eaest.com>
Subject: NM811 Locate Ticket: 21AP070385

NM811 LOCATE REQUEST

TICKET NUMBER:	21AP070385	Update of:	
Ticket Type:	Standard Locate	For Code:	KAFB
Creation Date:	04/07/21 11:16	Seq Num:	3

Excavator Information

Company:	American Power	Main Contact Phone:	(505) 379-0729
Address:	4921 Alexander Blvd NE suite C	Secondary Phone:	5055081705
City, St, Zip:	Albuquerque, NM 87107	Main Contact Email:	patrick.garcia@AMRPWR.com
Company Phone:	(505) 508-1705	Alternate Contact:	SHAWN LAVERY
Company Fax:		Alternate Contact Phone:	(505) 506-6425
Main Contact:	Patrick Garcia	Alternate Contact Email:	

Work Information

State:	NM	Work To Begin:	04/09/21 AT 11:15
County:	BERNALILLO	Expire Date:	04/30/21 AT 11:15
Place:	ALBUQUERQUE		
Address:	937 INDIANA ST SE		
Intersection:	ROSS AVE SE		
Latitude:	35.061748	Longitude:	-106.571677
Secondary Lat:	35.062117	Secondary Long:	-106.570883
Work Type:	Setting - Poles	Working For:	PNM
Pre-marked:	Yes	Mechanical Boring:	No
Contact Prior to Locating:	No	Contact After Locating:	No

Driving Directions

Spotting Instructions

20FT RADIUS OF EXISTING POLE #H17D019 MARKED IN WHITE NEXT TO ALLEY ENTRANCE SW CORNER OF ADDRESS.

Remarks

NO HAZARDS OPEN ACCESS

TRSQ: [W8T10NR03ES25SE]

Utilities Notified:

Code	Name	Manually Added
ABQWA	ALBUQUERQUE/BERNALILLO COUNTY WUA	False
KAFB	KIRTLAND AIR FORCE BASE	False
NMGAQ	NEW MEXICO GAS COMPANY - ALBUQUERQUE	False
PNMAB	PNM ELECTRIC - ALBUQUERQUE	False

Shafer, Aspen

From: Sultana, Sharmin
Sent: Wednesday, June 23, 2021 10:31 AM
To: Shafer, Aspen
Subject: FW: NM811 Locate Ticket: 21AP070392

From: eticket@nm811.org <eticket@nm811.org>
Sent: Wednesday, April 7, 2021 1:20 PM
To: NM811BFF <NM811BFF@eaest.com>
Subject: NM811 Locate Ticket: 21AP070392

NM811 LOCATE REQUEST

TICKET NUMBER:	21AP070392	Update of:	
Ticket Type:	Standard Locate	For Code:	KAFB
Creation Date:	04/07/21 11:19	Seq Num:	4

Excavator Information

Company:	American Power	Main Contact Phone:	(505) 379-0729
Address:	4921 Alexander Blvd NE suite C	Secondary Phone:	5055081705
City, St, Zip:	Albuquerque, NM 87107	Main Contact Email:	patrick.garcia@AMRPWR.com
Company Phone:	(505) 508-1705	Alternate Contact:	SHAWN LAVERY
Company Fax:		Alternate Contact Phone:	(505) 506-6425
Main Contact:	Patrick Garcia	Alternate Contact Email:	

Work Information

State:	NM	Work To Begin:	04/09/21 AT 11:30
County:	BERNALILLO	Expire Date:	04/30/21 AT 11:30
Place:	ALBUQUERQUE		
Address:	1105 GEORGIA ST SE		
Intersection:	EASTERN AVE SE		
Latitude:	35.059623	Longitude:	-106.572815
Secondary Lat:	35.059957	Secondary Long:	-106.57201
Work Type:	Setting - Poles	Working For:	PNM
Pre-marked:	Yes	Mechanical Boring:	No
Contact Prior to Locating:	No	Contact After Locating:	No

Driving Directions

Spotting Instructions

20FT RADIUS OF EXISTING POLE #H17D029 MARKED IN WHITE IN ALLEY BEHIND ADDRESS

Remarks

NO HAZARDS OPEN ACCESS

TRSQ: [W8T10NR03ES25SE]

Utilities Notified:

Code	Name	Manually Added
ABQWA	ALBUQUERQUE/BERNALILLO COUNTY WUA	False
JONE	COMCAST - ALBUQUERQUE	False
KAFB	KIRTLAND AIR FORCE BASE	False
NMGAQ	NEW MEXICO GAS COMPANY - ALBUQUERQUE	False
PNMAB	PNM ELECTRIC - ALBUQUERQUE	False
UPN	UNITE PRIVATE NETWORKS, LLC	False

Shafer, Aspen

From: Sultana, Sharmin
Sent: Wednesday, June 23, 2021 10:31 AM
To: Shafer, Aspen
Subject: FW: NM811 Emergency Locate Ticket: 21AP090301

Importance: High

From: eticket@nm811.org <eticket@nm811.org>
Sent: Friday, April 9, 2021 12:36 PM
To: NM811BFF <NM811BFF@eaest.com>
Subject: NM811 Emergency Locate Ticket: 21AP090301
Importance: High

NM811 EMERGENCY LOCATE REQUEST

TICKET NUMBER:	21AP090301	Update of:	
Ticket Type:	Emergency Locate	For Code:	KAFB
Creation Date:	04/09/21 10:35	Seq Num:	1

Excavator Information

Company:	TLC PLUMBING & UTILITY	Main Contact Phone:	(505) 362-9887
Address:	5000 EDITH BLVD NE	Secondary Phone:	
City, St, Zip:	ALBUQUERQUE, NM 87107	Main Contact Email:	REMOND@TLCPLUMBING.COM
Company Phone:	(505) 761-9696	Alternate Contact:	
Company Fax:		Alternate Contact Phone:	
Main Contact:	ADRIAN NANCO	Alternate Contact Email:	

Work Information

State:	NM	Work To Begin:	04/09/21 AT 12:45
County:	BERNALILLO		
Place:	ALBUQUERQUE		
Address:	900 INDIANA ST SE		
Intersection:	ANDERSON AVE SE		
Latitude:	35.063495	Longitude:	-106.57098
Secondary Lat:	35.0635	Secondary Long:	-106.570524
Work Type:	Emergency - Water	Working For:	HOMEOWNER
Pre-marked:	Yes	Mechanical Boring:	No
Contact Prior to Locating:	No	Contact After Locating:	No

Driving Directions

Spotting Instructions

ENTIRE PROPERTY TO THE STREET

Remarks

CREW IS ONSITE :: Hazards: None // Access: Open // Animals: None

TRSQ: [W8T10NR03ES25SE]

Utilities Notified:

Code	Name	Manually Added
ABQWA	ALBUQUERQUE/BERNALILLO COUNTY WUA	False
KAFB	KIRTLAND AIR FORCE BASE	False
MCI1	MCI CABLE SEC	False
NMGAQ	NEW MEXICO GAS COMPANY - ALBUQUERQUE	False
PNMAB	PNM ELECTRIC - ALBUQUERQUE	False
QLNN	CENTURYLINK LOCAL NETWORK CENTRAL	False

Shafer, Aspen

From: Sultana, Sharmin
Sent: Wednesday, June 23, 2021 10:30 AM
To: Shafer, Aspen
Subject: FW: NM811 Locate Ticket: 21AP190700

From: eticket@nm811.org <eticket@nm811.org>
Sent: Monday, April 19, 2021 3:42 PM
To: NM811BFF <NM811BFF@eaest.com>
Subject: NM811 Locate Ticket: 21AP190700

NM811 LOCATE REQUEST

TICKET NUMBER:	21AP190700	Update of:	
Ticket Type:	Standard Locate	For Code:	KAFB
Creation Date:	04/19/21 13:41	Seq Num:	1

Excavator Information

Company:	American Power	Main Contact Phone:	(505) 379-0729
Address:	4921 Alexander Blvd NE suite C	Secondary Phone:	5055081705
City, St, Zip:	Albuquerque, NM 87107	Main Contact Email:	patrick.garcia@AMRPWR.com
Company Phone:	(505) 508-1705	Alternate Contact:	ROBERT SALAS
Company Fax:		Alternate Contact Phone:	(505) 934-1277
Main Contact:	Patrick Garcia	Alternate Contact Email:	

Work Information

State:	NM	Work To Begin:	04/21/21 AT 13:45
County:	BERNALILLO	Expire Date:	05/12/21 AT 13:45
Place:	ALBUQUERQUE		
Address:	1131 DAKOTA ST SE		
Intersection:	GIBSON BLVD SE		
Latitude:	35.058784	Longitude:	-106.574943
Secondary Lat:	35.058918	Secondary Long:	-106.574809
Work Type:	Replace - Pole	Working For:	PNM
Pre-marked:	Yes	Mechanical Boring:	No
Contact Prior to Locating:	No	Contact After Locating:	No

Driving Directions

Spotting Instructions

20FT RADIUS OF THE EXISTING POLE #H18A230 MARKED IN WHITE IN ALLEY BEHIND ADDRESS.

Remarks

NO HAZARDS OPEN ACCESS

TRSQ: [W8T10NR03ES25SE]

Utilities Notified:

Code	Name	Manually Added
ABQWA	ALBUQUERQUE/BERNALILLO COUNTY WUA	False
COA	CITY OF ALBUQUERQUE	False
KAFB	KIRTLAND AIR FORCE BASE	False
NMGAQ	NEW MEXICO GAS COMPANY - ALBUQUERQUE	False
PNMAB	PNM ELECTRIC - ALBUQUERQUE	False
QLNN	CENTURYLINK LOCAL NETWORK CENTRAL	False

Shafer, Aspen

From: Sultana, Sharmin
Sent: Wednesday, June 23, 2021 10:30 AM
To: Shafer, Aspen
Subject: FW: NM811 Locate Ticket: 21AP210126

From: eticket@nm811.org <eticket@nm811.org>
Sent: Wednesday, April 21, 2021 10:22 AM
To: NM811BFF <NM811BFF@eaest.com>
Subject: NM811 Locate Ticket: 21AP210126

NM811 LOCATE REQUEST

TICKET NUMBER:	21AP210126	Update of:	
Ticket Type:	Standard Locate	For Code:	KAFB
Creation Date:	04/21/21 08:21	Seq Num:	1

Excavator Information

Company:	TLC Plumbing	Main Contact Phone:	(505) 362-1442
Address:	5000 EDITH BLVD NE	Secondary Phone:	
City, St, Zip:	ALBUQUERQUE, NM 87107	Main Contact Email:	sstjohn@tlcplumbing.com
Company Phone:	(505) 761-9696	Alternate Contact:	
Company Fax:		Alternate Contact Phone:	
Main Contact:	CESAR ANDREW	Alternate Contact Email:	

Work Information

State:	NM	Work To Begin:	04/23/21 AT 08:30
County:	BERNALILLO	Expire Date:	05/14/21 AT 08:30
Place:	ALBUQUERQUE		
Address:	2501 RIDGECREST DR SE		
Intersection:	SAN PEDRO DR SE		
Latitude:	35.055036	Longitude:	-106.577619
Secondary Lat:	35.055304	Secondary Long:	-106.576809
Work Type:	Install - Curbs & Gutters	Working For:	COA
Pre-marked:	Yes	Mechanical Boring:	No
Contact Prior to Locating:	No	Contact After Locating:	No

Driving Directions

Spotting Instructions

spot area marked in white

Remarks

Utilities Notified:

Code	Name	Manually Added
ABQSL	CITY OF ALBUQUERQUE - STREET LIGHTING DEPT	False
ABQWA	ALBUQUERQUE/BERNALILLO COUNTY WUA	False
JONE	COMCAST - ALBUQUERQUE	False
KAFB	KIRTLAND AIR FORCE BASE	False
MCI1	MCI CABLE SEC	False
NMGAQ	NEW MEXICO GAS COMPANY - ALBUQUERQUE	False
PNMAB	PNM ELECTRIC - ALBUQUERQUE	False
QLNN	CENTURYLINK LOCAL NETWORK CENTRAL	False
UPN	UNITE PRIVATE NETWORKS, LLC	False

Shafer, Aspen

From: Sultana, Sharmin
Sent: Wednesday, June 23, 2021 10:30 AM
To: Shafer, Aspen
Subject: FW: NM811 Locate Ticket: 21JN010102

From: eticket@nm811.org <eticket@nm811.org>
Sent: Tuesday, June 1, 2021 9:37 AM
To: NM811BFF <NM811BFF@eaest.com>
Subject: NM811 Locate Ticket: 21JN010102

NM811 LOCATE REQUEST

TICKET NUMBER:	21JN010102	Update of:	
Ticket Type:	Standard Locate	For Code:	KAFB
Creation Date:	06/01/21 07:36	Seq Num:	1

Excavator Information

Company:	ALBUQUERQUE ASPHALT INC	Main Contact Phone:	(505) 831-7311
Address:	PO BOX 66450	Secondary Phone:	
City, St, Zip:	ALBUQUERQUE, NM 87193	Main Contact Email:	linespots.aai@outlook.com
Company Phone:	(505) 831-7311	Alternate Contact:	SAUL GARCIA
Company Fax:		Alternate Contact Phone:	505 235 4821
Main Contact:	BRIAN LOUGHRIDGE	Alternate Contact Email:	

Work Information

State:	NM	Work To Begin:	06/03/21 AT 07:45
County:	BERNALILLO	Expire Date:	06/24/21 AT 07:45
Place:	ALBUQUERQUE		
Address:	EASTERN AVE SE		
Intersection:	SAN PEDRO DR SE		
Latitude:	35.060033	Longitude:	-106.577597
Secondary Lat:	35.060099	Secondary Long:	-106.568794
Work Type:	Remove - See Remarks	Working For:	CITY OF ALBQ
Pre-marked:	Yes	Mechanical Boring:	No
Contact Prior to Locating:	No	Contact After Locating:	No

Driving Directions

Spotting Instructions

ROW TO ROW ON EASTERN AVE FRM SAN PEDRO DR TO LOUISIANA BLVD, Area Marked in White

Remarks

TYPE OF WORK: REMOVAL & REPLACEMENT OF HANDICAP RAMPS Hazards: None // Access: Open // Animals: None

TRSQ: [W8T10NR03ES25SE] [W8T10NR03ES25SW]

Utilities Notified:

Code	Name	Manually Added
ABQSD	CITY OF ALBUQUERQUE - STORM DRAINS	False
ABQWA	ALBUQUERQUE/BERNALILLO COUNTY WUA	False
ADBC	ADB COMPANIES	False
APS	ALBUQUERQUE PUBLIC SCHOOLS	False
JONE	COMCAST - ALBUQUERQUE	False
KAFB	KIRTLAND AIR FORCE BASE	False
MCI1	MCI CABLE SEC	False
NMGAQ	NEW MEXICO GAS COMPANY - ALBUQUERQUE	False
PNMAB	PNM ELECTRIC - ALBUQUERQUE	False
QLNN	CENTURYLINK LOCAL NETWORK CENTRAL	False
UPN	UNITE PRIVATE NETWORKS, LLC	False

Shafer, Aspen

From: Sultana, Sharmin
Sent: Wednesday, June 23, 2021 10:29 AM
To: Shafer, Aspen
Subject: FW: NM811 Locate Ticket: 21JN010111

From: eticket@nm811.org <eticket@nm811.org>
Sent: Tuesday, June 1, 2021 9:38 AM
To: NM811BFF <NM811BFF@eaest.com>
Subject: NM811 Locate Ticket: 21JN010111

NM811 LOCATE REQUEST

TICKET NUMBER:	21JN010111	Update of:	
Ticket Type:	Standard Locate	For Code:	KAFB
Creation Date:	06/01/21 07:38	Seq Num:	2

Excavator Information

Company:	ALBUQUERQUE ASPHALT INC	Main Contact Phone:	(505) 831-7311
Address:	PO BOX 66450	Secondary Phone:	
City, St, Zip:	ALBUQUERQUE, NM 87193	Main Contact Email:	linespots.aai@outlook.com
Company Phone:	(505) 831-7311	Alternate Contact:	SAUL GARCIA
Company Fax:		Alternate Contact Phone:	505 235 4821
Main Contact:	BRIAN LOUGHRIDGE	Alternate Contact Email:	

Work Information

State:	NM	Work To Begin:	06/03/21 AT 07:45
County:	BERNALILLO	Expire Date:	06/24/21 AT 07:45
Place:	ALBUQUERQUE		
Address:	ROSS AVE SE		
Intersection:	SAN PEDRO DR SE		
Latitude:	35.061827	Longitude:	-106.5776
Secondary Lat:	35.061923	Secondary Long:	-106.568759
Work Type:	Remove - See Remarks	Working For:	CITY OF ALBQ
Pre-marked:	Yes	Mechanical Boring:	No
Contact Prior to Locating:	No	Contact After Locating:	No

Driving Directions

Spotting Instructions

ROW TO ROW ON ROSS AVE FRM SAN PEDRO DR TO LOUISIANA BLVD, Area Marked in White

Remarks

TYPE OF WORK: REMOVAL & REPLACEMENT OF HANDICAP RAMPS Hazards: None // Access: Open // Animals: None

TRSQ: [W8T10NR03ES25SE] [W8T10NR03ES25SW]

Utilities Notified:

Code	Name	Manually Added
ABQSD	CITY OF ALBUQUERQUE - STORM DRAINS	False
ABQWA	ALBUQUERQUE/BERNALILLO COUNTY WUA	False
ADBC	ADB COMPANIES	False
APS	ALBUQUERQUE PUBLIC SCHOOLS	False
COA	CITY OF ALBUQUERQUE	False
JONE	COMCAST - ALBUQUERQUE	False
KAFB	KIRTLAND AIR FORCE BASE	False
MCI1	MCI CABLE SEC	False
NMGAQ	NEW MEXICO GAS COMPANY - ALBUQUERQUE	False
PNMAB	PNM ELECTRIC - ALBUQUERQUE	False
QLNN	CENTURYLINK LOCAL NETWORK CENTRAL	False
UPN	UNITE PRIVATE NETWORKS, LLC	False

Shafer, Aspen

From: Sultana, Sharmin
Sent: Wednesday, June 23, 2021 10:29 AM
To: Shafer, Aspen
Subject: FW: NM811 Locate Ticket: 21JN230042

From: eticket@nm811.org <eticket@nm811.org>
Sent: Wednesday, June 23, 2021 9:26 AM
To: NM811BFF <NM811BFF@eaest.com>
Subject: NM811 Locate Ticket: 21JN230042

NM811 LOCATE REQUEST

TICKET NUMBER:	21JN230042	Update of:	
Ticket Type:	Standard Locate	For Code:	KAFB
Creation Date:	06/23/21 07:26	Seq Num:	1

Excavator Information

Company:	ALBUQUERQUE ASPHALT INC	Main Contact Phone:	(505) 831-7311
Address:	PO BOX 66450	Secondary Phone:	
City, St, Zip:	ALBUQUERQUE, NM 87193	Main Contact Email:	linespots.aai@outlook.com
Company Phone:	(505) 831-7311	Alternate Contact:	SAUL GARCIA
Company Fax:		Alternate Contact Phone:	505 235 4821
Main Contact:	BRIAN LOUGHRIDGE	Alternate Contact Email:	

Work Information

State:	NM	Work To Begin:	06/25/21 AT 07:30
County:	BERNALILLO	Expire Date:	07/19/21 AT 07:30
Place:	ALBUQUERQUE		
Address:	EASTERN AVE SE		
Intersection:	SAN PEDRO DR SE		
Latitude:	35.060033	Longitude:	-106.577597
Secondary Lat:	35.060099	Secondary Long:	-106.568794
Work Type:	Remove - See Remarks	Working For:	CITY OF ALBQ
Pre-marked:	Yes	Mechanical Boring:	No
Contact Prior to Locating:	No	Contact After Locating:	No

Driving Directions

Spotting Instructions

ROW TO ROW ON EASTERN AVE FRM SAN PEDRO DR TO LOUISIANA BLVD, Area Marked in White

Remarks

TYPE OF WORK: REMOVAL & REPLACEMENT OF HANDICAP RAMPS Hazards: None // Access: Open // Animals: None

TRSQ: [W8T10NR03ES25SE] [W8T10NR03ES25SW]

Utilities Notified:

Code	Name	Manually Added
ABQSD	CITY OF ALBUQUERQUE - STORM DRAINS	False
ABQWA	ALBUQUERQUE/BERNALILLO COUNTY WUA	False
ADBC	ADB COMPANIES	False
APS	ALBUQUERQUE PUBLIC SCHOOLS	False
JONE	COMCAST - ALBUQUERQUE	False
KAFB	KIRTLAND AIR FORCE BASE	False
MCI1	MCI CABLE SEC	False
NMGAQ	NEW MEXICO GAS COMPANY - ALBUQUERQUE	False
PNMAB	PNM ELECTRIC - ALBUQUERQUE	False
QLNN	CENTURYLINK LOCAL NETWORK CENTRAL	False
UPN	UNITE PRIVATE NETWORKS, LLC	False

From: Joe Gonzales
To: Bockisch, Bernard; Curley, Tyler; Shafer, Aspen
Cc: Lizann Croft
Subject: FW: NM811 Locate Ticket: 21JN300872
Date: Thursday, July 1, 2021 8:48:07 AM

We researched the following ticket. The work does not appear to conflict with the conveyance pipeline in Eastern. We will close it out.

NM811 LOCATE REQUEST

TICKET NUMBER:	21JN300872	Update of:	
Ticket Type:	Standard Locate	For Code:	KAFB
Creation Date:	06/30/21 15:54	Seq Num:	1

Excavator Information

Company:	TLC Plumbing and Heating	Main Contact Phone:	(505) 798-1104
Address:	5000 Edith Blvd	Secondary Phone:	
City, St, Zip:	Albuquerque, NM 87107	Main Contact Email:	kbjork@tlcplumbing.com
Company Phone:	(505) 761-9696	Alternate Contact:	MIKE GREEN
Company Fax:		Alternate Contact Phone:	505-362-7194
Main Contact:	KELSEY BJORK	Alternate Contact Email:	

Work Information

State:	NM	Work To Begin:	07/02/21 AT 16:00
County:	BERNALILLO	Expire Date:	07/27/21 AT 07:00
Place:	ALBUQUERQUE		
Address:	1037 Indiana St SE		
Intersection:	Eastern Ave SE		
Latitude:	35.059965	Longitude:	-106.571354
Secondary Lat:	35.060399	Secondary Long:	-106.570919
Work Type:	Replace - Sewer Line	Working For:	HOMEOWNER
Pre-marked:	Yes	Mechanical Boring:	No
Contact Prior to Locating:	No	Contact After Locating:	No

Driving Directions

Spotting Instructions

spot front yard and both sides of Indiana St

Remarks

TRSQ: [W8T10NR03ES25SE]

Utilities Notified:

Code	Name	Manually Added
ABQWA	ALBUQUERQUE/BERNALILLO COUNTY WUA	False
KAFB	KIRTLAND AIR FORCE BASE	False
NMGAQ	NEW MEXICO GAS COMPANY - ALBUQUERQUE	False
PNMAB	PNM ELECTRIC - ALBUQUERQUE	False
UPN	UNITE PRIVATE NETWORKS, LLC	False

Appendix J-3

Groundwater Treatment System Performance

Sample Collection Logs

(April-June 2021)

225 Schilling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-GWTS2-040721

PROJECT NAME: Kirtland AFB Bulk Fuels Facility
PROJECT NUMBER: 6360401
LABORATORY NAME AND CONTACT: Eurofins Lancaster Laboratories, 2425 New Holland Pike Lancaster PA 17601
FAX AND MAIL REPORTS/EDD TO: Tara Lamond: tlamond@eaest.com EA; Amanda Smith: asmith@eaest.com EA
FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA
YEAR: 2021
QUARTER: Q2
PROJECT SITE AND PHASE: ST106/SS111
LAB PO NUMBER: 21295
LAB CONTACT: Kay Hower KayHower@eurofinsUS.com Eurofins 1 (717) 556-7258

				ANALYSIS REQUIRED (Specify number of bottles)												
ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total As,Pb,Ca,K,Na,Mg	(6010C) Dissolved Fe, Mn	Chloride, bromide, sulfate (300.0)	(353.2) Nitrate-Nitrite	(SM4500NH3) Ammonia	(SM4500S2CF) Sulfide	(SM2320B) Alkalinity	COMMENTS
1	GWTS-EFF2-040721	04/07/21	10:30	6	--	3	--	2	--	1*	--	--	--	--	--	
2	GWTS-EFF2DUP-040721	04/07/21	10:30	6	--	3	--	2	--	1*	--	--	--	--	--	
3	GWTS-GAC2-040721	04/07/21	1045	6	--	3	--	2	--	1*	--	--	--	--	--	
4	GWTS-INF2-040721	04/07/21	1055	6	--	3	--	2	--	1*	--	--	--	--	--	
5																
6																

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered.

SAMPLER(S): Pete Ferrari / Aaron Kupper

COURIER AND SHIPPING NUMBER: Fedex: 8155 2829 1700

RELINQUISHED BY: Printed Name and Signature:	DATE	TIME	RECEIVED BY: Printed Name and Signature:	DATE	TIME
Pete Ferrari Peter Zumwalt	4-7-2021	1300			

225 Schilling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-GWTS1-040721

PROJECT NAME: Kirtland AFB Bulk Fuels Facility
PROJECT NUMBER: 6360401
LABORATORY NAME AND CONTACT: Eurofins Lancaster Laboratories, 2425 New Holland Pike Lancaster PA 17601
FAX AND MAIL REPORTS/EDD TO: Tara Lamond: tlamond@eaest.com EA; Amanda Smith: asmith@eaest.com EA
FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA
YEAR: 2021
QUARTER: Q2
PROJECT SITE AND PHASE: ST106/SS111
LAB PO NUMBER: 21295
LAB CONTACT: Kay Hower KayHower@eurofinsUS.com Eurofins 1 (717) 556-7258

				ANALYSIS REQUIRED (Specify number of bottles)												
ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	VOCs (8260C)	BTEX (8260C)	BTEXN (8260C)	EDB (8011)	Total As,Pb,Ca,K,Na,Mg (6020A/6010C)	Dissolved Fe, Mn (6010C)	Chloride, bromide, sulfate (300.0)	Nitrate-Nitrite (353.2)	Ammonia (SM4500NH3)	Sulfide (SM4500S2CF)	Alkalinity (SM2320B)	COMMENTS
1	GWTS-EFF1-040721	04/07/21	0930	18	--	9	--	6	--	3*	--	--	--	--	--	Additional Volume Provided for MS/MSD
2	GWTS-GAC1-040721	04/07/21	1000	6	--	3	--	2	--	1*	--	--	--	--	--	
3	GWTS-INF1-040721	04/07/21	1015	6	--	3	--	2	--	1*	--	--	--	--	--	
4	GWTS-FB01-040721	04/07/21	0930	5	--	3	--	2	--	--	--	--	--	--	--	Collected simultaneously with GWTS-EFF1-020521
5	GWTS-TB01-040721	04/07/21	1100	4	--	2	--	2	--	--	--	--	--	--	--	
6																

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered.

SAMPLER(S): Pete Ferrari Aaron Kupper

COURIER AND SHIPPING NUMBER: Fedex: 8155 2829 1700

RELINQUISHED BY: Printed Name and Signature:	DATE	TIME	RECEIVED BY: Printed Name and Signature:	DATE	TIME
Pete Ferrari Pete Ferrari	4-7-2021	1300			

Groundwater Purge and Sampling Log

Year: 2021
Quarter: Q2 April

Project: Kirtland AFB BFF ST-106/SS-111 Well ID:

Purge Information and Field Parameter

Date: 04/07/21

Purge Start Time: -- Purge Rate: -- L/min X 0.265 = -- gal/min

Description of first water purged: No Odor

Drawdown Limit: -- ft (based on previous water level)

Time	Sample Location	Facility	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Historical Data:									
0925	EFF1	GWTS	0.20	19.7	80.7	7.37	497.5	7.45	332.6
0955	GAC1	GWTS	0.12	19.7	64.2	5.90	495.9	7.57	240.6
1012	INF1	GWTS	0.12	19.6	77.8	7.11	552.4	7.82	182.6
1025	EFF2	GWTS	0.15	19.9	56.6	5.15	384.2	7.50	84.2
1040	GAC2	GWTS	0.09	19.8	11.6	1.07	424.6	7.46	117.5
1050	INF2	GWTS	0.11	19.9	77.5	7.06	425.8	7.80	174.5

Sample Time: — Sample Date: 04/07/21

Purge End Time: --

Bubbles in the vials? ☐ Yes ☑ No Where? _____ Amount _____ Size _____

Sampled by: Pete Ferrad Sampler Signature: Peter Ferrad

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	--
2	--
Total	--

IDW will be taken to: --

IDW Label: --

Sample Information

Sample ID: GWTS-XXXX-040721

Duplicate ID: (if applicable) GWTS-EFFXDUP-040721

COC#: COC-GWTSX-040721

Sampling Method: Tap

Sampling Medium: Water

Comments:

Reviewed by: _____ Initials: _____ Review Date: _____

225 Schilling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-GWTS2-050521

PROJECT NAME: Kirtland AFB Bulk Fuels Facility
PROJECT NUMBER: 6360401
LABORATORY NAME AND CONTACT: Eurofins Lancaster Laboratories, 2425 New Holland Pike Lancaster PA 17601
FAX AND MAIL REPORTS/EDD TO: Tara Lamond: tlamond@eaest.com EA; Amanda Smith: asmith@eaest.com EA
FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA
YEAR: 2021
QUARTER: Q2
PROJECT SITE AND PHASE: ST106/SS111
LAB PO NUMBER: 14800
LAB CONTACT: Kay Hower KayHower@eurofinsUS.com Eurofins 1 (717) 556-7258

				ANALYSIS REQUIRED (Specify number of bottles)												
ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total As,Pb,Ca,K,Na,Mg	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM4500NH3) Ammonia	(SM4500S2CF) Sulfide	(SM2320B) Alkalinity	COMMENTS
1	GW228-212	05/05/2021	0946		--	3	--	2	1	1*	--	--	--	--	--	
2	GW233-212	05/05/2021	1017		--	3	--	2	1	1*	--	--	--	--	--	
3	GW234-212	05/05/2021	1014		--	3	--	2	1	1*	--	--	--	--	--	
4	GW239-212	05/05/2021	0919		--	3	--	2	1	1*	--	--	--	--	--	
5	GW239-612	05/05/2021	0919		--	3	--	2	1	1*	--	--	--	--	--	Dup
6	GWTS-TB02-050521	05/05/2021	1129		--	2	--	2	--	--	--	--	--	--	--	

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered.

SAMPLER(S): Pete Ferrari

COURIER AND SHIPPING NUMBER: Fedex: 8155 2829 3037

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
Pete Ferrari Pete Ferrari	5/5/2021	1341 1241 GKS			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schilling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-GWTS2-050521

PROJECT NAME: Kirtland AFB Bulk Fuels Facility
PROJECT NUMBER: 6360401
LABORATORY NAME AND CONTACT: Eurofins Lancaster Laboratories, 2425 New Holland Pike Lancaster PA 17601
FAX AND MAIL REPORTS/EDD TO: Tara Lamond: tlamond@eaest.com EA; Amanda Smith: asmith@eaest.com EA
FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA
YEAR: 2021
QUARTER: Q2
PROJECT SITE AND PHASE: ST106/SS111
LAB PO NUMBER: 21295
LAB CONTACT: Kay Hower KayHower@eurofinsUS.com Eurofins 1 (717) 556-7258

				ANALYSIS REQUIRED (Specify number of bottles)													
ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	Total As,Pb,Ca,K,Na,Mg (6020A/6010C)	Dissolved Fe, Mn (6010C)	Chloride, bromide, sulfate (300.0)	Nitrate-Nitrite (353.2)	Ammonia (SM4500NH3)	Sulfide (SM4500S2CF)	Alkalinity (SM2320B)	COMMENTS
1	GWTS-EFF2-050521	05/05/21	1100	18	--	9	--	6	--	3*	--	--	--	--	--	Additional Volume Provided for MSMSD
2	GWTS-GAC2-050521	05/05/21	1125	6	--	3	--	2	--	1*	--	--	--	--	--	
3	GWTS-INF2-050521	05/05/21	1140	6	--	3	--	2	--	1*	--	--	--	--	--	
4	GWTS-FB02-050521	05/05/21	1100	5	--	3	--	2	--	--	--	--	--	--	--	Collected simultaneously with GWTS-EFF2-011221
AS 5	~~GWTS-TB01-050521~~	~~05/05/21~~	~~1223~~													
6																

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered.

SAMPLER(S): Pete Ferrari
COURIER AND SHIPPING NUMBER: Fedex: 816144055947

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	DATE	TIME
Printed Name and Signature:			Printed Name and Signature:		
Pete Ferrari Peter Jamond	5/5/2021	1341 ~~1241~~	PF		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

225 Schilling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-GWTS1-050521

PROJECT NAME: Kirtland AFB Bulk Fuels Facility
PROJECT NUMBER: 6360401
LABORATORY NAME AND CONTACT: Eurofins Lancaster Laboratories, 2425 New Holland Pike Lancaster PA 17601
FAX AND MAIL REPORTS/EDD TO: Tara Lamond: tlamond@eaest.com EA; Amanda Smith: asmith@eaest.com EA
FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA
YEAR: 2021
QUARTER: Q2
PROJECT SITE AND PHASE: ST106/SS111
LAB PO NUMBER: 21295
LAB CONTACT: Kay Hower KayHower@eurofinsUS.com Eurofins 1 (717) 556-7258

				ANALYSIS REQUIRED (Specify number of bottles)												
ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	(8260C) VOCs	(8260C) BTEX	(8260C) BTEXN	(8011) EDB	(6020A/6010C) Total As,Pb,Ca,K,Na,Mg	(6010C) Dissolved Fe, Mn	(300.0) Chloride, bromide, sulfate	(353.2) Nitrate-Nitrite	(SM4500NH3) Ammonia	(SM4500S2CF) Sulfide	(SM2320B) Alkalinity	COMMENTS
1	GWTS-EFF1-050521	05/05/21	1149	6	--	3	--	2	--	1*	--	--	--	--	--	
2	GWTSEFF1DUP-050521	05/05/21	1149	6	--	3	--	2	--	1*	--	--	--	--	--	
3	GWTS-GAC1-050521	05/05/21	1202	6	--	3	--	2	--	1*	--	--	--	--	--	
4	GWTS-INF1-050521	05/05/21	1212	6	--	3	--	2	--	1*	--	--	--	--	--	
5	GWTS-TB01-050521	05/05/21	1223		--	2	--	2	--	--	--	--	--	--	--	
6																

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered.

SAMPLER(S): Pete Ferrari
COURIER AND SHIPPING NUMBER: Fedex: 8161 4705 5947

RELINQUISHED BY: Printed Name and Signature:	DATE	TIME	RECEIVED BY: Printed Name and Signature:	DATE	TIME
Pete Ferrari Pete Ferrari	5/5/2021	1341			
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		
Printed Name and Signature:			Printed Name and Signature:		

Groundwater Purge and Sampling Log

Year: 2021
Quarter: Q2 January

Project: Kirtland AFB BFF ST-106/SS-111 Well ID:

Date: 05/05/2021

Purge Information and Field Parameter

Purge Start Time: -- Purge Rate: -- L/min X 0.265 = -- gal/min

Description of first water purged: No odor / clear

Drawdown Limit: -- ft (based on previous water level)

Time	Sample Location	Facility	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Historical Data:									
0946	KAFB-106228	Vault	4.94	20.4	44.9	4.06	437.2	7.63	304.1
1017	KAFB-106233	WCH	1.96	20.0	55.3	4.97	620	7.44	304.3
1014	KAFB-106234	WCH	0.62	19.9	75.0	6.76	546.4	7.49	305.1
0919	KAFB-106239	Vault	0.56	20.2	26.4	2.34	474.8	7.44	315.2

Sample Time: Sample Date: 05/05/2021

Purge End Time: --

Bubbles in the vials? ☐ Yes ☒ No Where? — Amount — Size —

Sampled by: Pete Fevrari Sampler Signature: Pete Fevrari

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	--
2	--
Total	--

IDW will be taken to: --

IDW Label: --

Sample Information

Sample ID: GWXXX-212
Duplicate ID: (if applicable) GWXXX-612
COC#: COC-GWTSX-050521
Sampling Method: Tap
Sampling Medium: Water

Comments:

Reviewed by: Initials: Review Date:

Groundwater Purge and Sampling Log

Year: 2021
Quarter: Q2 January

Project: Kirtland AFB BFF ST-106/SS-111 Well ID:

Date: 05/05/21

Purge Information and Field Parameter

Purge Start Time: -- Purge Rate: -- L/min X 0.265 = -- gal/min

Description of first water purged: No Odor / clear

Drawdown Limit: -- ft (based on previous water level)

Time	Sample Location	Facility	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Historical Data:									
AS ~~1051~~ 1146	EFF1	GWTS	0.24	20.0	62.6	5.71	580	7.22	176.2
12100	GAC1	GWTS	0.20	20	46.5	4.23	583	7.37	137.7
1220	INF1	GWTS	0.22	20.0	85.2	7.51	584	7.38	97.3
1057	EFF2	GWTS	0.29	20.3	47.9	4.32	447.5	7.17	59.5
1125	GAC2	GWTS	AS 0.41	20.3	5.7	0.51	447.9	7.16	100.9
1137	INF2	GWTS	0.52	20.2	50.5	4.56	448.8	7.55	127.3

Sample Time: Sample Date: 05/05/21

Purge End Time: --

Bubbles in the vials? ☐ Yes ☐ No Where? Amount Size

Sampled by: Pete Ferraro Sampler Signature: Pete Ferraro

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	--
2	--
Total	--

IDW will be taken to: --

IDW Label: --

Sample Information

Sample ID: GWTS-XXXX-050521

Duplicate ID: (if applicable) GWTS-EFFXDUP-050521

COC#: COC-GWTSX-050521

Sampling Method: Tap

Sampling Medium: Water

Comments:

Reviewed by: Initials: Review Date:

225 Schilling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

CHAIN-OF-CUSTODY RECORD

COC NUMBER: COC-GWTS2-060321

PROJECT NAME: Kirtland AFB Bulk Fuels Facility

PROJECT NUMBER: 6360401

LABORATORY NAME AND CONTACT: Eurofins Lancaster Laboratories, 2425 New Holland Pike Lancaster PA 17601

FAX AND MAIL REPORTS/EDD TO: Tara Lamond: tlamond@eaest.com EA
Amanda Smith: asmith@eaest.com EA
FAX AND MAIL REPORTS/EDD TO: Pam Moss: pmoss@eaest.com EA

YEAR: 2021

QUARTER: Q2

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

LAB CONTACT: Kay Hower KayHower@eurofinsUS.com Eurofins 1 (717) 556-7258

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	VOCs (8260C)	BTEX (8260C)	BTEXN (8260C)	EDB (8011)	Total As,Pb,Ca,K,Na,Mg (6020A/6010C)	Dissolved Fe, Mn (6010C)	Chloride, bromide, sulfate (300.0)	Nitrate-Nitrite (353.2)	Ammonia (SM4500NH3)	Sulfide (SM4500S2CF)	Alkalinity (SM2320B)	COMMENTS
1	GWTS-EFF2-060321	06/03/21	1018	6	--	3	--	2	--	1*	--	--	--	--	--	
2	GWTS-EFF2DUP-060321	06/03/21	1018	6	--	3	--	2	--	1*	--	--	--	--	--	
3	GWTS-GAC2-060321	06/03/21	1032	6	--	3	--	2	--	1*	--	--	--	--	--	
4	GWTS-INF2-060321	06/03/21	1043	6	--	3	--	2	--	1*	--	--	--	--	--	
5																
6																

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered.

SAMPLER(S): Pete Ferrari / Aspen Shafer

COURIER AND SHIPPING NUMBER: Fedex: 8155 2829 3313

RELINQUISHED BY: Printed Name and Signature:	DATE	TIME	RECEIVED BY: Printed Name and Signature:	DATE	TIME
Pete Ferrari Pete Ferrari	06/03/21	1230			

CHAIN-OF-CUSTODY RECORD

225 Schilling Circle Suite
400 Hunt Valley MD
Tel No: (410) 584-7000
Fax No. (410) 771-1625

COC NUMBER: COC-GWTS1-060321

PROJECT NAME: Kirtland AFB Bulk Fuels Facility

PROJECT NUMBER: 6360401

LABORATORY NAME AND CONTACT: Eurofins Lancaster Laboratories, 2425 New Holland Pike Lancaster PA 17601

FAX AND MAIL REPORTS/EDD TO: Tara Lamond: tlamond@eaest.com EA
Amanda Smith: asmith@eaest.com EA

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YEAR: 2021

QUARTER: Q2

LAB CONTACT: Kay Hower KayHower@eurofinsUS.com Eurofins 1 (717) 556-7258

PROJECT SITE AND PHASE: ST106/SS111

LAB PO NUMBER: 21295

ANALYSIS REQUIRED (Specify number of bottles)

ITEM	SAMPLE IDENTIFIER	DATE COLLECTED	TIME COLLECTED	Total Number of Bottles	VOCs (8260C)	BTEX (8260C)	BTEXN (8260C)	EDB (8011)	Total As,Pb,Ca,K,Na,Mg (6020A/6010C)	Dissolved Fe, Mn (6010C)	Chloride, bromide, sulfate (300.0)	Nitrate-Nitrite (353.2)	Ammonia (SM4500NH3)	Sulfide (SM4500S2CF)	Alkalinity (SM2320B)	COMMENTS
1	GWTS-EFF1-060321	06/03/21	0935	18	--	9	--	6	--	3*	--	--	--	--	--	Additional Volume Provided for MS/MSD
2	GWTS-GAC1-060321	06/03/21	0957	6	--	3	--	2	--	1*	--	--	--	--	--	
3	GWTS-INF1-060321	06/03/21	1008	6	--	3	--	2	--	1*	--	--	--	--	--	
4	GWTS-FB01-060321	06/03/21	0935	5	--	3	--	2	--	--	--	--	--	--	--	Collected simultaneously with GWTS-EFF1-060321
5	GWTS-TB01-060321	06/03/21	1048	4	--	2	--	2	--	--	--	--	--	--	--	
6																

COMMENTS: *Dissolved Fe, Mn aliquot was field filtered.

SAMPLER(S): Pete Ferrari / Aspen Shafer

COURIER AND SHIPPING NUMBER: Fedex: 8155 2829 3313

RELINQUISHED BY: Printed Name and Signature:	DATE	TIME	RECEIVED BY: Printed Name and Signature:	DATE	TIME
Pete Ferrari Tara Lamond	06/03/21	1230			

Groundwater Purge and Sampling Log

Year: 2021
Quarter: Q2 February

Project: Kirtland AFB BFF ST-106/SS-111 Well ID:

Purge Information and Field Parameter

Date: 6/3/21

Purge Start Time: -- Purge Rate: -- L/min X 0.265 = -- gal/min

Description of first water purged: Clear / No Odor

Drawdown Limit: -- ft (based on previous water level)

Time	Sample Location	Facility	Turbidity (NTU)	Temp. (°C)	Saturated DO (%)	DO (mg/L)	Specific Conductance (µS/cm)	pH	ORP (mV)
Historical Data:									
0928	EFF1	GWTS	0.09	20.2	70.9	6.43	475.4	7.27	239.4
0953	GAC1	GWTS	0.08	20.1	51.1	4.62	475.8	7.38	188.7
1004	INF1	GWTS	0.08	20.1	74.4	6.74	475.5	7.64	133.1
1013	EFF2	GWTS	0.09	20.5	44.2	3.98	364.8	7.26	62.3
1029	GAC2	GWTS	0.08	20.4	5.8	0.52	364.2	7.2	76.9
1037	INF2	GWTS	0.16	20.4	58.3	5.25	365.5	7.61	125.5

Sample Time: — Sample Date: 6/3/21

Purge End Time: --

Bubbles in the vials? ☐ Yes ☑ No Where? ____ Amount ____ Size ____

Sampled by: PF / AS Sampler Signature: Peter Farrand

IDW Management

Drum No.	Estimated volume per IDW drum (gal)
1	--
2	--
Total	--

IDW will be taken to: --

IDW Label: --

Sample Information

Sample ID: GWTS-XXXX-060321
Duplicate ID: (if applicable) GWTS-EFFXDUP-060321
COC#: COC-GWTSX-060321
Sampling Method: Tap
Sampling Medium: Water

Comments:

Reviewed by: ____ Initials: ____ Review Date: ____

Page 1 of 1

APPENDIX K-1

Non-Hazardous Liquid Investigation- Derived Water Profiling and Disposal Documentation

Table K-1-1
Non-Hazardous GWM Liquid Investigation-Derived Waste Disposal in Q2 2021

Collection Date	Well ID or Waste Generation Location	Storage Container Type	Number of Containers	Estimated Volume (Gallons)	Treated Effluent Discharge Date	Treated Effluent Discharge Location
2/10/2021	KAFB-106016, 015, 003	Pail	1	3	4/1/2021	GCMP
10/15/2020	Consolidated #5	Jerrican	1	3	4/1/2021	GCMP
10/19/2020	106094	Poly Drum	1	10	4/1/2021	GCMP
10/28/2020	106018	Poly Drum	1	20	4/1/2021	GCMP
10/30/2020	106001	Poly Drum	1	10	4/1/2021	GCMP
10/30/2020	106076	Poly Drum	1	14	4/1/2021	GCMP
10/29/2020	106006	Poly Drum	1	10.5	4/1/2021	GCMP
10/29/2020	106020	Poly Drum	1	24	4/1/2021	GCMP
10/19/2020	106065	Poly Drum	1	5	4/1/2021	GCMP
10/19/2020	106067, 017	Poly Drum	1	28	4/1/2021	GCMP
11/24/2020	106080, ER204-04	Poly Drum	1	18	4/1/2021	GCMP
12/16/2020	Decon water	Jerrican	1	0.25	4/1/2021	GCMP
4/2/2021	106062, 011, 027, 044, 046, 047	Poly drum	1	40	5/24/2021	GCMP
4/5/2021	Consolidated Drum #1	Poly drum	1	12	5/24/2021	GCMP
4/5/2021	106101, 106102	Poly drum	1	30	5/24/2021	GCMP
4/6/2021	KAFB-015, 016	Pail	1	3.5	5/24/2021	GCMP
4/6/2021	KAFB-106003, VA-2	Pail	1	3	5/24/2021	GCMP
4/6/2021	106013, 098, 068	Poly drum	1	25	5/24/2021	GCMP
4/7/2021	106024, 060, 097, 003	Poly drum	1	28	5/24/2021	GCMP
4/8/2021	106004, 106099, 106100	Poly drum	1	35	5/24/2021	GCMP
4/9/2021	106082, 083, 084	Poly drum	1	40	5/24/2021	GCMP
4/12/2021	106038, 039, 040	Poly drum	1	33	5/24/2021	GCMP
4/12/2021	106095, 096	Poly drum	1	25	5/24/2021	GCMP
4/13/2021	106045, 061, 3411	Poly drum	1	40	5/24/2021	GCMP
4/14/2021	106007, 077, 081	Poly drum	1	40	5/24/2021	GCMP
4/14/2021	106012R, 048	Poly drum	1	25	5/24/2021	GCMP
4/15/2021	106073, 074, 016	Poly drum	1	45	5/24/2021	GCMP
4/16/2021	106002, 066	Poly drum	1	15	5/24/2021	GCMP
4/19/2021	106078	Poly drum	1	6	5/24/2021	GCMP

Table K-1-1
Non-Hazardous GWM Liquid Investigation-Derived Waste Disposal in Q2 2021

Collection Date	Well ID or Waste Generation Location	Storage Container Type	Number of Containers	Estimated Volume (Gallons)	Treated Effluent Discharge Date	Treated Effluent Discharge Location
5/4/2021	KAFB-106003, 015, VA-2	Pail	1	5	5/24/2021	GCMP
4/29/2021	ER-212-04, 075	Poly drum	1	35	5/24/2021	GCMP
4/28/2021	Consolidated Drum #3	Poly drum	1	4	5/24/2021	GCMP
3/23/2021	KAFB-106252	Steel Drum	1	17	5/24/2021	GCMP
4/5/2021	KAFB-106248	Poly Drum	1	25	5/24/2021	GCMP
4/16/2021	KAFB-106065	Poly Drum	1	12	5/24/2021	GCMP
4/16/2021	KAFB-106094	Poly Drum	1	12	5/24/2021	GCMP
4/16/2021	KAFB-106067	Poly Drum	1	11	5/24/2021	GCMP
4/19/2021	KAFB-106017	Poly Drum	1	10	5/24/2021	GCMP
4/26/2021	106069	Poly Drum	1	18	6/1/2021	GCMP
4/26/2021	106019	Poly Drum	1	18	6/1/2021	GCMP
4/26/2021	106018	Poly Drum	1	18	6/1/2021	GCMP
4/27/2021	106020	Poly Drum	1	5	6/1/2021	GCMP
4/27/2021	106001	Poly Drum	1	18	6/1/2021	GCMP
4/28/2021	021, 072, 088	Poly Drum	1	0.5	6/1/2021	GCMP
4/28/2021	106009	Poly Drum	1	16	6/1/2021	GCMP
6/1/2021	106015, 003, VA-2	Pail	1	5	6/1/2021	GCMP
4/23/2021	106076	Poly Drum	1	21.5	6/3/2021	GCMP
4/23/2021	106006	Poly Drum	1	24	6/3/2021	GCMP
4/27/2021	106080	Poly Drum	1	24	6/3/2021	GCMP
			Total	890.25		

Pail = 5-gallon plastic bucket with press-on plastic cover
Poly Drum = 55-gallon polyethylene drum sealed with plastic cover and locking-ring steel collar
ER = environmental restoration
GCMP = golf course main pond
GWM = groundwater monitoring
ID = identification
Jerrican = 5-gallon polyethylene container with screw-on plastic lid
Steel Drum = 55-gallon steel drum sealed with steel cover and locking-ring
Q2 = second quarter
VA = Veterans Affairs

Table K-1-2
Non-Hazardous Liquid IDW Disposal from Other Sources in Q2 2021

Collection Date	Well ID or Waste Generation Location	Container Type	Number of Containers	Estimated Volume (Gallons)	Discharge Date	Effluent Discharge Location	Manifest Number
2/24/2021	KAFB-106239	Poly Drum	1	15	4/1/2021	GCMP	NA
1/27/2021	KAFB-106IN2	Poly Drum	1	25	4/1/2021	GCMP	NA
1/27/2021	KAFB-106IN2	Poly Drum	1	30	4/1/2021	GCMP	NA
1/14/2021	Saltwater (liquid brine)	Poly Drum	1	45	5/25/2021	US Ecology Nevada	Manifest D356879
3/31/2021	GWTS frac tank #1	Steel drum	1	50	5/25/2021	VLS-Armor-Mt. Pleasant, TN	Manifest D356879
3/31/2021	GWTS frac tank #2	Steel drum	1	50	5/25/2021	VLS-Armor-Mt. Pleasant, TN	Manifest D356879
3/31/2021	GWTS frac tank #3	Steel drum	1	50	5/25/2021	VLS-Armor-Mt. Pleasant, TN	Manifest D356879
3/31/2021	GWTS frac tank #4	Steel drum	1	50	5/25/2021	VLS-Armor-Mt. Pleasant, TN	Manifest D356879
3/31/2021	GWTS frac tank #5	Steel drum	1	25	5/25/2021	VLS-Armor-Mt. Pleasant, TN	Manifest D356879
4/20/2021	GWTS frac tank #6	Steel drum	1	18	5/25/2021	VLS-Armor-Mt. Pleasant, TN	Manifest D356879
			Total	358			

GCMP = golf course main pond
GWTS = groundwater treatment system
ID = identification
IDW = investigation-derived waste
NA = not applicable
Poly Drum = 55-gallon polyethylene drum sealed with plastic cover and locking-ring steel collar
Q2 = second quarter
Steel Drum = 55-gallon steel drum sealed with steel cover and locking-ring

Table K-1-3
Non-Hazardous GWM Liquid Investigation-Derived Waste Pending Disposal, Q2 2021

Collection Date	Well ID[a]	Container Type	Number of Containers	Estimated Volume (Gallons)	Anticipated Disposal Location
NA	NA	NA	NA	NA	NA
			Total	0	

[a]There was no waste in this category at the end of Q2 2021

ID = identification

GWM = groundwater monitoring

NA = not applicable

Q2 = second quarter

Table K-1-4
Non-Hazardous GWM Liquid Investigation-Derived Waste Pending Analysis, Q2 2021

Collection Date	Source	Container Type	Number of Containers	Estimated Volume (Gallons)	Anticipated Disposal Location
12/16/2020	Calibration Fluid	Poly Drum	1	7	off site
			Total	7	

GWM = groundwater monitoring

Off site = permitted facility off Kirtland AFB

Poly Drum = 55-gallon plastic drum sealed with plastic cover and locking-ring steel collar

Q2 = second quarter

Table K-1-5
Non-Hazardous Liquid Drilling Investigation-Derived Waste Disposal in Q2 2021

Collection Date	Container ID	Container Type	Estimated Volume (Gallons)	Discharge Date	Effluent Discharge Location	Off-Base Disposal Transporter and Manifest
Various	Decon Pad Tank	3000 gal Poly Tank	1900	4/1/2021	GCMP	NA
3/1/2021	Construction and Decon Pad Water Tank #1	2500 gal Poly Tank	1500	5/14/2021	GCMP	NA
3/8/2021	Construction Water Tank #2	3000 gal Poly Tank	1800	5/14/2021	GCMP	NA
3/15/2021	KAFB-106252-01 Dev	Steel Drum	50	5/14/2021	GCMP	NA
3/15/2021	KAFB-106252-02 Dev	Steel Drum	50	5/14/2021	GCMP	NA
3/16/2021	KAFB-106252-03 Dev	Steel Drum	50	5/14/2021	GCMP	NA
3/16/2021	KAFB-106252-04 Dev	Steel Drum	50	5/14/2021	GCMP	NA
3/26/2021	KAFB-106248-01 Dev	Steel Drum	50	5/14/2021	GCMP	NA
3/27/2021	KAFB-106248-02 Dev	Steel Drum	50	5/14/2021	GCMP	NA
3/27/2021	KAFB-106248-03 Dev	Steel Drum	50	5/14/2021	GCMP	NA
3/27/2021	KAFB-106248-04 Dev	Steel Drum	50	5/14/2021	GCMP	NA
3/28/2021	KAFB-106248-05 Dev	Steel Drum	50	5/14/2021	GCMP	NA
3/28/2021	KAFB-106248-06 Dev	Steel Drum	50	5/14/2021	GCMP	NA
3/28/2021	KAFB-106248-07 Dev	Steel Drum	30	5/14/2021	GCMP	NA
3/17/2021	KAFB-106249-IDW-Water	Tote (2 containers)	400	4/1/2021	GCMP	NA
3/17/2021	KAFB-106251-IDW-Water	Tote (3 containers)	450	4/1/2021	GCMP	NA
3/22/2021	KAFB-106250-IDW-Water	Tote (2 containers)	300	4/1/2021	GCMP	NA

Table K-1-5
Non-Hazardous Liquid Drilling Investigation-Derived Waste Disposal in Q2 2021

Collection Date	Container ID	Container Type	Estimated Volume (Gallons)	Discharge Date	Effluent Discharge Location	Off-Base Disposal Transporter and Manifest
Various	See Decon Pad tank description above	2500-3000 gal Poly Tanks (3 tanks)	1500	6/17/2021	Off-Base	American Pumping manifest #4430
			8,380			

GCMP = Kirtland AFB golf course main pond
ID = identification
KAFB = Kirtland Air Force Base
NA = not applicable
Poly Tank = 2500 or 3000 gallon portable polyethylene tanks
Q2 = second quarter
Steel drum = 55-gallon, open top drum with steel cover and lock ring
Tote = 275 gallon polyetheylene container with aluminum frame

Table K-1-6
Non-Hazardous Liquid Drilling Investigation-Derived Waste Pending Disposal in Q2 2021

Collection Date	Identification[a]	Container Type	Number of Containers	Estimated Volume (Gallons)	Anticipated Discharge Location
NA	NA	NA	NA	NA	NA
			Total	0	

[a]There was no waste in this category at the end of Q2 2021
NA = not applicable
Q2 = second quarter

Table K-1-7
Non-Hazardous Liquid Drilling Investigation-Derived Waste Pending Analysis in Q2 2021

Collection Date	Identification[a]	Container Type	Number of Containers	Estimated Volume (Gallons)	Anticipated Discharge Location
NA	NA	NA	NA	NA	NA
			Total	0	

[a]There was no waste in this category at the end of Q2 2021
NA = not applicable
Q2 = second quarter

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NM9570024423

Manifest Document No.: D356879

2. Page 1 of 1

3. Generator's Name and Mailing Address:
KIRTLAND AIR FORCE BASE
2050 WYOMING BLVD SE BLDG 20685,
KIRTLAND AIR FORCE BASE, NM 87117

4. Generator's Phone (505-846-9017

5. Transporter 1 Company Name: Advanced Chemical Transport Inc./DBA ACTenviro

6. US EPA ID Number: CAR000070540

A. State Transporter's ID

B. Transporter 1 Phone

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address:
Advanced Chemical Treatment
6133 Edith Blvd NE
Albuquerque, NM 87107
505-349-5220

10. US EPA ID Number: NMD002208627

E. State Facility's ID

F. Facility's Phone

GENERATOR

11. WASTE DESCRIPTION	Containers No.	Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non-RCRA/Non-DOT Regulated Material Liquid (Water, Salt)		~~DF~~ 1 DM	350	P
b. Non-RCRA/Non-DOT Regulated Material Liquid (SALT/WATER)		2 DF	700	P
c. Non-RCRA/Non-DOT Regulated Material Liquid (Water, Carbon Media)		6 DM	1700	P
d.				

G. Additional Descriptions for Materials Listed Above

Project Number 291898 Document #: D356879

1) ACT137259 KIA- 1 X 55 DM
2) ACT137368 KIA- 2 X 55 DF
3) ACT105761 KIA- 6 X 55 Dm

24 HOUR EMERGENCY CONTACT: SCOTT CLARK 505 385 3679

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name	Signature	Date (Month Day Year)
Scott Clark		04 05 21

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)
Louis Gurule	Louis Gurule	05 25 21

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in Item 19.

Printed/Typed Name	Signature	Date (Month Day Year)
Michael Gwatt		6 4 21

NON-HAZARDOUS WASTE

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American Service Industries, LLC

DP - 605, Los Lunas, NM
505-344-7667

Non-Hazardous Liquids

4430

DISPOSAL TRIP MANIFEST
2016207

WASTE PRODUCER

PRODUCER'S NAME KAFB | PHONE 846-9017 | APPROX. GALLONS 1500 | TIME OF COLLECTION 10:00 | DATE OF COLLECTION 6/17/21

ADDRESS 1601 Walker Street | WASTE TYPE: ☐ SEPTAGE ☐ CHEMICAL TOILET ☒ OTHER DESCRIBE water spwd

CITY KAFB | STATE NM | ZIP 87116 | SOURCE OF PUMPOUT: ☐ HOLDING TANK ☐ SEPTIC TANK ☐ OTHER DESCRIBE

RESPONSIBLE PERSON X [signature] | DATE 6/17/21

WASTE TRANSPORTER

COMPANY NAME **American Pumping Service** | TRUCK DRIVER'S NAME (PRINT) Tox

TRUCK DRIVER'S SIGNATURE X [signature] | PERMIT NO. 4008 | DATE 6/17/21 | LICENSE PLATE NO. 94159

APPENDIX K-2

Non-Hazardous Soild Investigation- Derived Water Profiling and Disposal Documentation

Table K-2-1
Non-Hazardous GWM Solid Waste Disposal in Q2 2021[a]

Collection Date	Container/Well ID	Matrix	Container Type	Estimated Volume (cubic yards)	Disposal Date	Transporter	Disposal Location
NA	NA	NA	NA	NA	NA	NA	NA
				0			

[a] There was no waste generated or disposed of in this category in Q2 2021.

GWM = Groundwater monitoring

ID = identification

NA = not applicable

Q2 = second quarter

Table K-2-2
Non-Hazardous GWM or GWTS Solid Waste Disposal in Q2 2021

Collection Date	Container/Well ID	Matrix	Container Type	Estimated Volume (Cubic Yard)	Disposal Location	Manifest
1/14/2021	Feedstock for GWTS chlorine generator	Salt-Culinox 999	Poly drum	0.10	US Ecology Nevada	ACT Non-Haz Manifest #D356879
1/14/2021	Feedstock for GWTS chlorine generator	Salt-Culinox 999	Poly drum	0.14	US Ecology Nevada	ACT Non-Haz Manifest #D356879
			Total	0.24		

GWM = Groundwater monitoring

GWTS = Ground water treatment system

ID = identification

Poly Drum = 55-gallon polyethylene drum sealed with plastic cover and locking-ring steel collar

Q2 = second quarter

US Ecology Nevada = US Ecology Disposal Facility, HWY 95, Beatty, Nevada

Table K-2-3
Non-Hazardous Drilling Solid Waste Pending Disposal in Q2 2021[a]

Collection Date	Container/Well ID	Matrix	Container Type	Estimated Volume (cubic yard)	Anticapated Disposal Location	Source
NA	NA	NA	NA	NA	NA	NA
			Total	0		

[a] There was no waste in this category at the end of Q2 2021.

ID = identification

NA = not aplicable

Q2 = second quarter

Table K-2-4
Non-Hazardous Drilling Solid Investigation-Derived Waste Disposed, Q2 2021

IDW Yard Entry Date	Container ID	Matrix	Container Type	Estimated Volume (cubic yards)	Disposal Date	Transporter	Disposal Location	Source
2/25/2021	KAFB-106252-01	Soil	20 cu yd open	15	4/8/2021	ACTenviro[b]	C&D Landfill[a]	EA
2/26/2021	KAFB-106252-02	Soil	20 cu yd open	17	4/8/2021	ACTenviro[b]	C&D Landfill[a]	EA
2/26/2021	KAFB-106252-03	Soil	16 cu yd hardtop	10	4/8/2021	ACTenviro[b]	C&D Landfill[a]	EA
3/7/2021	KAFB-106252-04	Soil	16 cu yd hardtop	7.5	4/8/2021	ACTenviro[b]	C&D Landfill[a]	EA
3/7/2021	KAFB-106252-05	Soil	20 cu yd open	10	4/8/2021	ACTenviro[b]	C&D Landfill[a]	EA
3/18/2021	KAFB-106248-01	Soil	20 cu yd open	17	5/27/2021	ACTenviro[b]	C&D Landfill[a]	EA
3/18/2021	KAFB-106248-02	Soil	20 cu yd open	17	5/27/2021	ACTenviro[b]	C&D Landfill[a]	EA
3/20/2021	KAFB-106248-03	Soil	16 cu yd hardtop	6	5/27/2021	ACTenviro[b]	C&D Landfill[a]	EA
3/20/2021	KAFB-106248-04	Soil	20 cu yd open	3	5/27/2021	ACTenviro[b]	C&D Landfill[a]	EA
11/11/2020	KAFB-106251-02	Soil	20 cu yd open	15	4/7/2021	ACTenviro[b]	C&D Landfill[a]	Sundance
1/28/2021	KAFB-106249-01	Soil	20 cu yd open	15	4/7/2021	ACTenviro[b]	C&D Landfill[a]	Sundance
1/28/2021	KAFB-106249-02	Soil	20 cu yd open	15	4/7/2021	ACTenviro[b]	C&D Landfill[a]	Sundance
1/28/2021	KAFB-106249-03	Soil	20 cu yd open	15	4/7/2021	ACTenviro[b]	C&D Landfill[a]	Sundance
2/10/2021	KAFB-106250-01	Soil	20 cu yd open	15	4/7/2021	ACTenviro[b]	C&D Landfill[a]	Sundance
2/10/2021	KAFB-106250-02	Soil	20 cu yd open	15	4/7/2021	ACTenviro[b]	C&D Landfill[a]	Sundance
2/10/2021	KAFB-106250-03	Soil	20 cu yd open	15	4/7/2021	ACTenviro[b]	C&D Landfill[a]	Sundance
			Total	207.5				

C&D Landfill[a] = Kirtland AFB construction and demolition landfill
ACTenviro[b] = Advanced Chemical Transport, 6137 Edith Blvd NE Albuquerque, New Mexico 87107
cu yd = cubic yard
EA = EA Engineering, Science, and Technology, Inc., PBC
IDW = investigation derived waste
ID = identification
Q2 = second quarter
Sundance = Sundance Consulting Inc.

Table K-2-5
Non-Hazardous Drilling Solid Special Waste Disposed, Q2 2021

IDW Yard Entry Date	Container ID	Matrix	Container Type	Estimated Volume[a] (cubic yards)	Disposal Date	Transporter		Disposal Location
NA	NA	NA	NA	0	NA	NA	NA	NA
			Total	0				

[a] There was no waste generated or disposed of in this category in Q2 2021.

IDW = investigation derived waste
ID = identification
NA = not applicable
Q2 = second quarter

APPENDIX K-3

Hazardous Investigation- Derived Water Profiling and Disposal Documentation

Table K-3-1
Hazardous Waste Disposal, Q2 2021

90-Day Entry Date	90-Day Deadline	Well Location/ Drum ID	Matrix	Source	Container Type	Estimated Volume (gallons)	Disposal Date	Transporter	Disposal Facility	Manifest Number	Profile Number
4/19/2021	7/17/2021	106S10	Water	GWM	Steel Drum	52	5/21/2021	Clean Earth	CRS	011319025 FLE	1642632-01
4/20/2021	7/18/2021	106014									
4/28/2021	7/26/2021	CD #1									
4/20/2021	7/18/2021	106028	Water	GWM	Steel Drum	50	5/21/2021	Clean Earth	CRS	011319025 FLE	1642632-01
4/21/2021	7/19/2021	106005									
4/21/2021	7/19/2021	106010	Water	GWM	Steel Drum	20	5/21/2021	Clean Earth	CRS	011319025 FLE	1642632-01
4/20/2021	7/18/2021	106008	Water	GWM	Steel Drum	50	5/21/2021	Clean Earth	CRS	011319025 FLE	1642632-01
4/22/2021	7/20/2021	106079									
4/22/2021	7/20/2021	106059									
					Total	172					

CD = consolidated drum
Clean Earth = Clean Earth Inc. 5338 Williams SE, Albuquerque, NM 87105
CRS = Chemical Reclamation Services LLC 405 Powell St Avalon, TX 76623
GWM = Groundwater monitoring
ID = Identification
Q2 = second quarter
Steel drum = 55-gallon, open top drum with steel cover and lock ring

Table K-3-2a
Hazardous Waste Pending Disposal, Liquid, Q2 2021[a]

90-Day Entry Date	90-Day Deadline	Drum ID	Matrix	Source	Container Type[a]	Estimated Volume (gal.)	Status	Disposal Date
NA	NA	NA	NA	NA	NA	NA	NA	NA
					Total	**0**		

Table K-3-2b
Hazardous Waste Pending Disposal, Solid, Q2 2021[a]

90-Day Entry Date	90-Day Deadline	Drum ID	Matrix	Source	Container Type	Estimated Volume (cy)	Status	Disposal Date
NA	NA	NA	NA	NA	NA	NA	NA	NA
					Total	**0**		

[a] There was no waste in this category at the end of Q2 2021.

cy = cubic yards
Gal = Gallon
ID = identification
NA = Not applicable
Q2 = second quarter

Table K-3-3
2021 Running Total of Hazardous Waste Disposal

2021 Calendar Quarter	Calendar Months	Matrix	Source	Estimated Volume (gallons)	Transporter	Disposal Facility
Q1	January-March	Water	GWM/Drilling	399	Clean Earth	Chemical Reclamation Services LLC 405 Powell St Avalon, TX 76623
Q2	April-June	TBD	GWM	172	Clean Earth	Chemical Reclamation Services LLC 405 Powell St Avalon, TX 76623
Q3	July-September	TBD	TBD	TBD	TBD	TBD
Q4	October-December	TBD	TBD	TBD	TBD	TBD
			2021 Running Total	**571**		

Clean Earth = Clean Earth Inc. 5338 Williams SE, Albuquerque, NM 87105
GWM = Groundwater monitoring
TBD = To be determined
Q1 = first quarter
Q2 = second quarter
Q3 = third quarter
Q4 = fourth quarter
TX = Texas

265780-21 ERI Provider: Clean Earth 4378466

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	NM9570024423	1	(877) 577-2669	011319025 FLE

5. Generator's Name and Mailing Address

Kirtland Air Force Base
2050 Wyoming Blvd SE Bldg 2068 5
Generator's Phone: ALBUQUERQUE NM 87117 (505)846-9017

Generator's Site Address (if different than mailing address)

Kirtland Air Force Base
2050 WYOMING BLVD SE BLDG 2068 5, ENVIRONMENTAL RES
ALBUQUERQUE NM 87117-0001

6. Transporter 1 Company Name: CLEAN EARTH SPECIALTY WASTE SOLUTIONS — U.S. EPA ID Number: MNS000110924

7. Transporter 2 Company Name: ROCKETLINE CARRIER SERVICES — U.S. EPA ID Number: TXR000025072

8. Designated Facility Name and Site Address

CHEMICAL RECLAMATION SERVICES LLC
405 Powell Street P.O. Box 69 P.O. BOX 69 50084
Facility's Phone: AVALON, TX 76623 (972) 627-3224

U.S. EPA ID Number: TXD046844700

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. NA3082 HAZARDOUS WASTE, LIQUID, N.O.S. (BENZENE) 9 PGIII RQ(D018=10#)	4	DM	1800	P	D018	119H	D018
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information

(1) 1642632-01 - ERG(171) WELL WATER WITH BENZ

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Scott Clark — Signature: [signature] — Month 5 Day 21 Year 21

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: ERIC C. CENSE — Signature: [signature] — Month 5 Day 21 Year 21

Transporter 2 Printed/Typed Name: ROBERT PADILLA — Signature: [signature] — Month 5 Day 26 Year 21

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Kathy Esparza — Signature: [signature] — Month 5 Day 28 Year 21

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)