



Sewer- Recreation & Fire Protection

Spalding Community Services District

502-907 Mahogany Way Susanville, CA 96130 • (530) 825-3258

David Handy

1 Jan thru 31 Mar 2024

2024 First Quarter Report

Every Wednesday I conducted a visual check of the Ponds, Pump Stations, Lift Stations, Generators, and the Sewer Pipe over Pine Creek for damage, cleanliness, serviceability, and operation. I take pictures of this and store them on SCSD's Dropbox. I run the 4 Transfer boxes through a manual 'generator exercise test' that lasts about 13 minutes at each pump station. I recorded the transfer exercise information, tiger mag readings, and the LMUD readings from each lift station. I ensure that the Generators have oil, coolant, and a serviceable 12V battery. At the ponds, I ensure sewage is flowing properly from the distribution box into ponds 2 and 3. I also checked the pond liners, fence line/gates and the 3 Well caps for any damage.

On Jan 4, 2024, I emailed the required information to Tiffany Barulich, Water Resource Control Engineer, a written confirmation and report of the spill and clean-up that occurred Dec,18-19, 2023.

On Jan 15, 2024, I conducted a zoom meeting with Mike Busse (CRWA). We discussed his new job position/financial assistance/grants/excel reports/SCADA/PS #1 spillage and permanent fix/Geo Technical investigation for PS #1/Radio's/EDU's, to include shut offs, EF-4 filters, and clean-outs.

On Jan 16, 2024, I completed samples for Pond #2 and #3. Also, Well's #1 and #2. Turned in said samples to SGS at Susanville's Sewer Department.

On Jan 17, 2024, I inspected an EDU (Equivalent Dwelling Unit) at 687-015 Hickory Way. I flushed the EDU at the EDU and from the owners' Septic tank until there was no more gurgling and good flow into the line in the street. I did research of Hickory Way in the As-builts. I received an email from SGS-SSAL (Singapore Government Securities – Silver State Analytical Laboratories) stating that I needed to resample the Wells for Fecal Coliform. They failed to meet the test time. I set up the earliest re-sample time for 6 February 2024.

On Jan 18, 2024, I discussed with JD Leroy the issue of the EDU at 687-015 Hickory Way. He helped me better understand the As-builts and stated that an Air/vacuum relief valve was needed at the EDU. I talked to Tiffany Barulich at the Water Board, she stated on Jan 6, 2024, she had received everything needed in reference to Decembers spill.

On Jan 22, 2024, I discovered that the Verizon internet that is used for our SCADA system had no internet connection. Called Verizon – no resolution.

On Jan 23, 2024, I received GEO-technical contact information from SUSP ENG. I emailed Dennis Longhofer, who has replaced Dan Lafontaine. I also emailed the 3 replacements for Mike Busse. No resolution with Verizon.



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On Jan 24, 2024, Bob went with me on my 'Maintenance Wednesday'. Started training him on the basics. No resolution with Verizon.

On Jan 25, 2024, installed 'relief valve' at 687-015 Hickory Way's EDU. Tightened all 8 bolts on the 4 generators at the pump stations (4 bolts secure the generator to the concrete pad and 4 bolts secure it to the frame). Steve Repp completed updates on my laptop. No resolution with Verizon.

On Jan 30, 2024, I successfully submitted the 4th Quarterly Report and the 2023 Annual Report. I had a phone conversation with Chris Rizzo (CRWA) and will be setting up more correspondence to help with our sewer needs. No resolution with Verizon.

On Feb 5, 2024, I discussed the Verizon/SCADA issue with Jon Densmore (Aqua Sierra). He stated that I needed internet for him to be able to investigate the SCADA cradle points. No resolution with Verizon.

On Jan 31, 2024, I completed 'Maintenance Wednesday' with Bob. No resolution with Verizon.

On Feb 6, 2024, I completed the well samples and transferred them to Kathy Tully (SGS). Discussed radio proposal with Jon Densmore (Aqua Sierra). No resolution with Verizon.

On Feb 7, 2024, I removed the snow blower from the tractor and Scott Hagen helped me install the bucket. Completed 'Maintenance Wednesday'. Notified Ed Staub to fill SCSD's propane tank for the backup generator. No resolution with Verizon.

On Feb 9, 2024, I was able to get Verizon technical support on the phone with Jon Densmore (Aqua Sierra) to work together to identify the problem. The Verizon cradle point had internet the entire time, however it lost the static IP address. With the help of the Verizon technician, Jon was able to restore communication. However, he will have to re-input the programming for the SCADA system to function properly. The other 5 cradle points have no issues.

On Feb 13, 2024, I brought in the F350 truck to Rich's Mobile Auto Repair in Susanville. They fixed the wiring for the headlights.

On Feb 16, 2024, Jon from Aqua Sierra had our SCADA system up and running. The cradle point license had expired. This created all the cradle points to factory reset. All information and programming were lost. Jon had to reinput the programs back into each cradle point. Aqua Sierra paid for the 1-year license and will forward me the bill. I will keep track of the billing period, so this does not occur again. When we go to radio communications, the cradle points will not be used, and no yearly license fee will be required.

On Feb 21, 2024, I put my work cell phone number on each Pump Station for emergency calls.

On Feb 26, 2024, I noticed that the DFS module for the SCADA system no longer notified me of alarms.



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On Feb 27, 2024, I contacted DFS. The DFS module has a 3-year warranty and will be repaired or replaced for free, minus shipping costs. Awaiting a loaner DFS. Then I will mail them our DFS for repair.

On Feb 29, 2024, I replaced the cabinet heater in the Lift Station at Pump Station One.

On Mar 4, 2024, I tested the 5 batteries in the APC's back up power in each Lift Station. All tested good. I annotated the test on the top of each APC.

On Mar 13, 2024, I received the Data Flow System (DFS) Hyper Server Module (HSM003) loaner for our SCADA system. During 'Maintenance Wednesday' I discovered that PS (Pump Station) #1 and #2 generators were not operational due to the 12V batteries being dead. I utilized the 12V battery from PS #4 at PS's #1 and #2 to conduct my weekly transfer exercise/test. I put the 2 bad batteries on a charger in the Maintenance Shop. While at the Ponds, at the distribution box for the ponds, I put in a block section into Pond #3 to reduce the flow and increase flow into Pond #2.

On Mar 14, I installed the loaner DFS HSM003 for our SCADA system. I notified Jon Densmore (Aqua Sierra) that the loaner DFS was installed so he could work on installing an alarm call out program. I contacted Todd Rothenbush and Stewart at Peterson's CAT. They service Spalding Community Services District's (SCSD) generators. They both recommended Optima D34/78 batteries be used for our generators. No funds to purchase batteries. I re-installed the 12V batteries at PS #1 and #2 generators.

On Mar 16, 2024, I completed and submitted the 2023 Volumetric Annual Report. Bob and I worked on vegetation removal at the Ponds.

On Mar 19, 2024, I pulled the 12V generator batteries again at PS #1 and #2 and put on a charger in the Maintenance Shop. Bob and I worked on vegetation removal at the Ponds. John and Rose Lefik at 687-015 Hickory Way, notified me again of their sewer not flowing properly. I placed the EDU in a manner to allow it to vent. Ask them to notify me if there is no change.

On Mar 20, 2024, I contacted Kathy Tully (SGS Analytical Laboratories) to set up a sample pick up time for 2 April or 9 April 2024. Her earliest availability was 16 April 2024, which I locked in. I re-installed the 12V batteries at PS #1 and #2 generators. I talked to John Lefik about his sewer. He is still having problems and notified me that he was going to call a plumber. Mason Faulhaber (CRWA) contacted me to set up a site visit.

On Mar 25, 2024, John Lefik notified me that his sewer still was not flowing properly. I recommended that he meet with Kari Graton, our interim General Manager.



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On Mar 26, 2024, I re-wired the microphone wires for the podium. I calibrated the 'Blue Combo Meter' that I use for sampling at our 3 Monitoring Wells. I pulled the 12V generator batteries again at PS #1 and #2 and put on a charger in the Maintenance Shop. Sent an initial contact email to Archana Bhardwaj (SUSP ENG), who replaced Dan Lafontaine.

On Mar 29, 2024, I noticed at PS #1, that pump #1 was running at higher-than-normal amperage. Pump #1 is the emergency pump that is set inside the 10,000-gal vault. The pump needs to be pulled and the screen checked for blockage. Jon Densmore (Aqua Sierra) completed the program for the SCADA alarms call outs. I am now able to add or change phone numbers that are called out. I completed the 2024 1st Quarter Flow Graph. I received a very productive phone call from Archana Bhardwaj (SUSP ENG).

During this Quarter the Pond Spray system continues to not be used. I have attached the SGS-SSAL reports that I didn't receive in time for last Quarters Report. Please see all attached associated paperwork for the Fourth Quarter of 2023.

Thank you,

A handwritten signature in blue ink that reads 'David Handy'.

David Handy

Sewer Operations/Maintenance
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SGS Silver State Analytical Laboratories
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January 30, 2024
Workorder 24010761

David Handy
SPALDING CSD
502-907 Mahogany Way
Susanville, CA 96130

Project: Q4 January 2024/ Monitoring Well #1

Dear David Handy:

It is the policy of SGS Silver State Analytical Laboratory - Reno to strictly adhere to a comprehensive Quality Assurance Plan that ensures the data presented in this report are both accurate and precise. SGS Silver State Analytical Laboratory - Reno maintains accreditation in the State of Nevada (NV-00015) and the State of California (ELAP 2990).

The data presented in this report was obtained from the analysis of samples received under a chain of custody. Unless otherwise noted below, samples were received in good condition, properly preserved and within the hold time for the requested analyses. Any anomalies associated with the analysis of the samples have been flagged in the Analytical Report with an appropriate explanation in the Definitions & Qualifiers.

Sincerely,

A handwritten signature in black ink that reads 'Carly Wood'.

Carly Wood
Laboratory Director
1135 Financial Blvd
Reno, NV 89502



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Analytical Report

Workorder#: 24010761
 Date Reported: 1/30/2024

Client: SPALDING CSD
Project Name: Q4 January 2024/ Monitoring Well #1
PO #:

Sampled By: David Hardy

Laboratory Accreditation Number: NV015/CA2990

Laboratory ID	Client Sample ID	Date/Time Sampled	Date Received
24010761-01	Monitoring Well #1	01/16/2024 7:50	1/16/2024

Parameter	Method	Result	Units	PQL	Analyst	Date/Time Analyzed	Data Flag
Chloride	EPA 300.0	1.0	mg/L	0.5	SR	01/23/2024 21:39	
Kjeldahl, Nitrogen	SM 4500 Norg B	0.20	mg/L	0.1	DL	01/17/2024 12:34	
Nitrate as N	EPA 300.0	<0.5	mg/L	0.5	SR	01/24/2024 22:50	
Nitrite as N	EPA 300.0	<0.5	mg/L	0.5	SR	01/24/2024 22:50	S
Nitrogen, Nitrate-Nitrite	EPA 300.0	<1.0	mg/L	1	SR	01/24/2024 22:50	S
Nitrogen, Total	Calculation	<1.2	mg/L	1.2	JF	01/30/2024 11:58	
Phosphorus, Total as P	EPA 365.3	0.09	mg/L	0.02	CTR	01/22/2024 12:23	
Total Dissolved Solids	SM 2540 C	120	mg/L	10	HG	01/19/2024 0:00	

Laboratory Accreditation Number: NV015/CA2990

Laboratory ID	Client Sample ID	Date/Time Sampled	Date Received
24010761-02	Monitoring Well #2	01/16/2024 8:15	1/16/2024

Parameter	Method	Result	Units	PQL	Analyst	Date/Time Analyzed	Data Flag
Chloride	EPA 300.0	<5	mg/L	5	SR	01/23/2024 14:23	
Kjeldahl, Nitrogen	SM 4500 Norg B	2.2	mg/L	0.1	DL	01/17/2024 12:34	
Nitrate as N	EPA 300.0	<0.5	mg/L	0.5	SR	01/24/2024 23:07	
Nitrite as N	EPA 300.0	<0.5	mg/L	0.5	SR	01/24/2024 23:07	S
Nitrogen, Nitrate-Nitrite	EPA 300.0	<1.0	mg/L	1	SR	01/24/2024 23:07	S
Nitrogen, Total	Calculation	2.2	mg/L	1.1	JF	01/30/2024 11:58	
Phosphorus, Total as P	EPA 365.3	2.4	mg/L	0.2	CTR	01/22/2024 12:23	
Total Dissolved Solids	SM 2540 C	380	mg/L	10	HG	01/19/2024 0:00	

Laboratory Accreditation Number: NV015/CA2990

Laboratory ID	Client Sample ID	Date/Time Sampled	Date Received
24010761-03	Pond #2	01/16/2024 7:30	1/16/2024

Parameter	Method	Result	Units	PQL	Analyst	Date/Time Analyzed	Data Flag
Kjeldahl, Nitrogen	SM 4500 Norg B	45	mg/L	0.2	DL	01/17/2024 12:34	
Nitrate as N	EPA 300.0	<0.5	mg/L	0.5	SR	01/24/2024 23:40	
Nitrite as N	EPA 300.0	<0.5	mg/L	0.5	SR	01/24/2024 23:40	S
Nitrogen, Nitrate-Nitrite	EPA 300.0	<1.0	mg/L	1	SR	01/24/2024 23:40	S
Nitrogen, Total	Calculation	45	mg/L	1.2	JF	01/30/2024 11:58	
Total Dissolved Solids	SM 2540 C	300	mg/L	10	HG	01/19/2024 0:00	



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Analytical Report

Workorder#: 24010761
 Date Reported: 1/30/2024

Client: SPALDING CSD
Project Name: Q4 January 2024/ Monitoring Well #1
PO #:

Sampled By: David Hardy

Laboratory Accreditation Number: NV015/CA2990

Laboratory ID	Client Sample ID	Date/Time Sampled	Date Received
24010761-04	Pond #3	01/16/2024 7:30	1/16/2024

Parameter	Method	Result	Units	PQL	Analyst	Date/Time Analyzed	Data Flag
Kjeldahl, Nitrogen	SM 4500 Norg B	210	mg/L	5	DL	01/17/2024 12:34	
Nitrate as N	EPA 300.0	<0.5	mg/L	0.5	SR	01/24/2024 23:57	
Nitrite as N	EPA 300.0	<0.5	mg/L	0.5	SR	01/24/2024 23:57	S
Nitrogen, Nitrate-Nitrite	EPA 300.0	<1.0	mg/L	1	SR	01/24/2024 23:57	S
Nitrogen, Total	Calculation	210	mg/L	6	JF	01/30/2024 11:58	
Total Dissolved Solids	SM 2540 C	310	mg/L	10	HG	01/19/2024 0:00	



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Quality Control Report

WO#: 24010761
 1/30/2024

Analysis: Kjeldahl Nitrogen, Total (TKN)
Method: SM 4500 Norg D

Batch ID: R86896

Method Blank

RunID: 86896 SeqNo 2325576 Units: mg/L
 Analysis Date: 1/17/2024 12:34:00 PM Analyst: DL

Analyte	Result	Rep Limit	Rep Qual
Kjeldahl, Nitrogen	< 0.1	0.1	

Laboratory Control Sample (LCS)

RunID: 86896 SeqNo 2325577 Units: mg/L
 Analysis Date: 1/17/2024 12:34:00 PM Analyst: DL

Analyte	LCS Spike Added	LCS Result	LCS % Recovery	LCSD Spike Added	LCSD Result	LCSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Kjeldahl, Nitrogen	19.00	16.4	86.3								

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 24010761-01B
 RunID: 86896 SeqNo 2325593 Units: mg/L
 Analysis Date: 1/17/2024 12:34:00 PM Analyst: DL

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Kjeldahl, Nitrogen	0.2000	10.00	9.12	89.2	10.00	8.42	82.2	7.98	20	80	120	

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 24010761-01B
 RunID: 86896 SeqNo 2325594 Units: mg/L
 Analysis Date: 1/17/2024 12:34:00 PM Analyst: DL

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Kjeldahl, Nitrogen	0.2000	10.00	8.42	82.2								

Analysis: Total Dissolved Solids
Method: SM 2540 C

Batch ID: R86957

Method Blank

RunID: 86957 SeqNo 2330429 Units: mg/L
 Analysis Date: 1/19/2024 Analyst: HG

Analyte	Result	Rep Limit	Rep Qual
Total Dissolved Solids	< 10	10	

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Quality Control Report

WO#: 24010761
 1/30/2024

Method Blank

RunID: 86957 SeqNo 2330451 Units: mg/L
 Analysis Date: 1/24/2024 Analyst: HG

Analyte	Result	Rep Limit	Rep Qual
Total Dissolved Solids	< 10	10	

Laboratory Control Sample (LCS)

RunID: 86957 SeqNo 2330431 Units: mg/L
 Analysis Date: 1/19/2024 Analyst: HG

Analyte	LCS Spike Added	LCS Result	LCS % Recovery	LCSD Spike Added	LCSD Result	LCSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Total Dissolved Solids	500.0	487	97.4								

Analysis: Phosphorus, Total
Method: EPA 365.3

Batch ID: R87021

Method Blank

RunID: 87021 SeqNo 2327176 Units: mg/L
 Analysis Date: 1/22/2024 12:23:00 PM Analyst: CTR

Analyte	Result	Rep Limit	Rep Qual
Phosphorus, Total as P	< 0.020	0.020	

Laboratory Control Sample (LCS)

RunID: 87021 SeqNo 2327177 Units: mg/L
 Analysis Date: 1/22/2024 12:23:00 PM Analyst: CTR

Analyte	LCS Spike Added	LCS Result	LCS % Recovery	LCSD Spike Added	LCSD Result	LCSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Phosphorus, Total as P	0.2500	0.24	97.2	0.2500	0.24	97.6	0.411	20	90	110	

Laboratory Control Sample (LCS)

RunID: 87021 SeqNo 2327178 Units: mg/L
 Analysis Date: 1/22/2024 12:23:00 PM Analyst: CTR

Analyte	LCS Spike Added	LCS Result	LCS % Recovery	LCSD Spike Added	LCSD Result	LCSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Phosphorus, Total as P	0.2500	0.24	97.6	0.2500	0.24	97.6	0.411	20	90	110	

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 24010823-01C

RunID: 87021 SeqNo 2327189 Units: mg/L
 Analysis Date: 1/22/2024 12:23:00 PM Analyst: CTR

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Phosphorus, Total as P												

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WO#: 24010761
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Phosphorus, Total as P	0.03300	0.2000	0.22	94.0	0.2000	0.22	94.0	0	20	80	120
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Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 24010823-01C

RunID: 87021 SeqNo 2327190 Units: mg/L

Analysis Date: 1/22/2024 12:23:00 PM Analyst: CTR

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Phosphorus, Total as P	0.03300	0.2000	0.22	94.0								

Analysis: Anions 300.0

Method: EPA 300.0

Batch ID: R87092

Method Blank

RunID: 87092 SeqNo 2328305 Units: mg/L

Analysis Date: 11/27/2023 5:49:00 PM Analyst: SR

Analyte	Result	Rep Limit	Rep Qual
Chloride	< 0.50	0.50	

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Quality Control Report

WO#: 24010761
 1/30/2024

Method Blank

RunID: 87092 SeqNo 2328390 Units: mg/L
 Analysis Date: 11/27/2023 8:03:00 PM Analyst: SR

Analyte	Result	Rep Limit	Rep Qual
Chloride	< 0.50	0.50	

Laboratory Control Sample (LCS)

RunID: 87092 SeqNo 2328318 Units: mg/L
 Analysis Date: 11/27/2023 8:53:00 PM Analyst: SR

Analyte	LCS Spike Added	LCS Result	LCS % Recovery	LCSD Spike Added	LCSD Result	LCSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Chloride	10.00	10	101								

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 24010758-01A
 RunID: 87092 SeqNo 2328343 Units: mg/L
 Analysis Date: 1/23/2024 1:50:00 PM Analyst: SR

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Chloride	43.01	100.0	140	96.2								

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 24010964-01A
 RunID: 87092 SeqNo 2328361 Units: mg/L
 Analysis Date: 1/23/2024 6:18:00 PM Analyst: SR

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Chloride	322.5	100.0	380	54.2								

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 24010956-09A
 RunID: 87092 SeqNo 2328373 Units: mg/L
 Analysis Date: 1/23/2024 9:23:00 PM Analyst: SR

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Chloride	39.28	100.0	130	90.9								

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Quality Control Report

WO#: 24010761
 1/30/2024

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 24010964-02A

RunID: 87092 SeqNo 2328378 Units: mg/L

Analysis Date: 1/23/2024 10:47:00 PM Analyst: SR

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Chloride	196.3	100.0	270	78.4								

Analysis: Anions 300.0

Method: EPA 300.0

Batch ID: R87131

Method Blank

RunID: 87131 SeqNo 2329598 Units: mg/L

Analysis Date: 11/27/2023 5:49:00 PM Analyst: SR

Analyte	Result	Rep Limit	Rep Qual
Nitrate as N	< 0.050	0.050	
Nitrite as N	< 0.050	0.050	
Nitrogen, Nitrate-Nitrite	< 0.10	0.10	



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Quality Control Report

WO#: 24010761
 1/30/2024

Method Blank

RunID: 87131 SeqNo 2329663 Units: mg/L
 Analysis Date: 11/27/2023 8:03:00 PM Analyst: SR

Analyte	Result	Rep Limit	Rep Qual
Nitrate as N	< 0.050	0.050	
Nitrite as N	< 0.050	0.050	
Nitrogen, Nitrate-Nitrite	< 0.10	0.10	

Laboratory Control Sample (LCS)

RunID: 87131 SeqNo 2329601 Units: mg/L
 Analysis Date: 11/27/2023 8:53:00 PM Analyst: SR

Analyte	LCS Spike Added	LCS Result	LCS % Recovery	LCSD Spike Added	LCSD Result	LCSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Nitrate as N	10.00	9.9	99.3								
Nitrite as N	10.00	9.6	95.6								
Nitrogen, Nitrate-Nitrite	20.00	19	97.5								

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 23121340-01A
 RunID: 87131 SeqNo 2329613 Units: mg/L
 Analysis Date: 1/24/2024 1:20:00 PM Analyst: SR

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Nitrate as N	17.51	100.0	110	91.3								
Nitrite as N	0.6530	100.0	93	92.4								
Nitrogen, Nitrate-Nitrite	18.16	200.0	200	91.9								

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 23121340-01A
 RunID: 87131 SeqNo 2329628 Units: mg/L
 Analysis Date: 1/24/2024 5:15:00 PM Analyst: SR

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Nitrate as N	7.275	100.0	80	72.4								
Nitrite as N	0	100.0	49	48.8								
Nitrogen, Nitrate-Nitrite	7.275	200.0	130	60.6								

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 24010746-01A
 RunID: 87131 SeqNo 2329644 Units: mg/L
 Analysis Date: 1/24/2024 9:09:00 PM Analyst: SR

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual

Original



SGS Silver State Analytical Laboratories
 1135 Financial Blvd
 Reno, NV 89502
 (775) 857-2400
 www.ssalabs.com

Quality Control Report

WO#: 24010761
 1/30/2024

Nitrate as N	0.2232	100.0	87	86.9
Nitrite as N	0	100.0	49	49.0
Nitrogen, Nitrate-Nitrite	0	200.0	140	68.0

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 24010761-02A

RunID: 87131 SeqNo 2329652 Units: mg/L

Analysis Date: 1/24/2024 11:23:00 PM Analyst: SR

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Nitrate as N	0	100.0	94	93.6								
Nitrite as N	0	100.0	44	44.2								
Nitrogen, Nitrate-Nitrite	0	200.0	140	68.9								

Report Results To:
 Report Attention: David Handy Project Number: 04 January 2024
 Company: SCSD
 Mailing Address: 502-907 Mahogany Way
 City, State, Zip: Las Vegas NV 89130
 Phone: 530-825-3258 Email / Fax: sewer10spaldingsd.org

Send Invoice To:
 Invoice Attention:
 Company:
 Mailing Address:
 City, State, Zip:
 Phone:
 Email / Fax:

PO# Quote #

COMPLIANCE MONITORING? Yes No NEW ADDRESS? Yes No Invoice:

Applicable Program: SDMA CWA RCRA Mining Other:

QC Level Report: I II III IV
NOTE: Surcharges apply to Levels III and IV reports

Send Results Via: Mail Email Fax
 Send Invoice Via: Mail Email Fax

Sampled by: David Handy Signature: [Signature]
 I attest to the validity and authenticity of the sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time is considered fraud and may be grounds for legal action.

Standard: Standard TAT 7-10 Business Days. Note that some tests vary.
 Rush: Same Day 3 Day Other (specify):
 1 Day 4 Day Rush results will be issued after 4:00 pm.
 2 Day 5 Day

NOTE: A Rush Surcharge is applied for rush samples

Other Pertinent Information / Special Instructions

Date	Time	Sampled	Sample Identification	SSAL - SEW Lab No.	Comp. Grid	Master	Preservative**	Number / Type of Containers ***	TDS	Fecal Coliform	Total Nitrogen	Total Phosphorus	Nitrate	Chloride
011624	0750		Monitoring Well #1		G	W	14,6,5	3	X	X	X	X	X	
011624	0815		Monitoring Well #2		G	W	14,6,5	3	X	X	X	X	X	
011624	0730		Pond # 2		G	W	6,1,6	2	X	X	X	X	X	
011624	0730		Pond # 3		G	W	6,1,6	2	X	X	X	X	X	

Relinquished By: [Signature] Print Name: David Handy Company: SCSD Date: 011624 Time: 1015
 Received By: [Signature] Print Name: Kathleen Tally Company: SGS Date: 011624 Time: 1435
 Relinquished By: [Signature] Print Name: Kathleen Tally Company: SGS Date: 1-16-24 Time: 1435
 Received By: [Signature] Print Name: Kathleen Tally Company: SGS Date: 1-16-24 Time: 1435
 Relinquished By: [Signature] Print Name: Kathleen Tally Company: SGS Date: 1-16-24 Time: 1435
 Received By: [Signature] Print Name: Kathleen Tally Company: SGS Date: 1-16-24 Time: 1435
 Relinquished By: [Signature] Print Name: Kathleen Tally Company: SGS Date: 1-16-24 Time: 1435
 Received By: [Signature] Print Name: Kathleen Tally Company: SGS Date: 1-16-24 Time: 1435
 Relinquished By: [Signature] Print Name: Kathleen Tally Company: SGS Date: 1-16-24 Time: 1435
 Received By: [Signature] Print Name: Kathleen Tally Company: SGS Date: 1-16-24 Time: 1435

Authorization is required to process samples. This obligates your organization for service fees. SSAL Standard T & C's or other written agreement applies. If collections or legal services are required to recover said fees, your organization will be responsible for all fees and costs in addition to service fees.

Matrix* DW-Drinking Water, WW-Waste Water, GW-Ground Water, SW-Surface Water, SS-Soil, S-Solid, OT-Other
 Preservative** 1=H₂SO₄, 2=HNO₃, 3=HCl, 4=NaOH, 5=Na₂S₂O₃, 6=None, 7=Other
 Container*** P-Plastic, G-Glass, V-Vial, OT-Other

Samples are discarded 30 days after results are reported unless other arrangements are made and storage fees may apply.
 The analytical results associated with this COC apply only to these samples as they are received by the laboratory.
 The liability of the laboratory is limited to the amount paid for the report.



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1135 Financial Blvd
Reno, NV 89502
(775) 857-2400
www.ssalabs.com

Definitions & Qualifiers

WO#: 24010761
Date: 1/30/2024

Definitions:

LCS: Laboratory Control Sample; prepared by adding a known mass of target analytes to a specified amount of de-ionized water and prepared with the batch of samples, used to calculate Accuracy (%REC).

LCSD: LCS Duplicate; used to calculate both Accuracy (%REC) and Precision (%RPD)

MBLK: Method Blank; a sample of similar matrix that is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedure, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses.

MS: Matrix Spike; prepared by adding a known mass of target analytes to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available, used to calculate Accuracy (%REC)

MSD: Matrix Spike Duplicate; used to calculate both Accuracy (%REC) and Precision (%RPD)

RPD: Relative Percent Difference; comparison between sample and duplicate and/or MS and MSD.

PQL: Practical Quantitation Limit; the limit to which data is quantitated for reporting.

MDL: Method Detection Limit; the limit to which the instrument can reliably detect.

MCL: Maximum Contaminant Level; value set according to EPA guidelines.

Qualifiers:

- * - Analyte exceeds Safe Drinking Water Act MCL, does not meet drinking water standards.
- C - Analyte value below Safe Drinking Water Act MCL, does not meet drinking water standards.
- B - Analyte found above the PQL in associated method blank.
- G - Calibration blank analyte detected above PQL.
- H - Sample analyzed beyond holding time for this parameter.
- J - Estimated Value; Analyte found between MDL and PQL limits.
- L - Sample concentration is at least 5 times greater than spike contribution. Spike recovery criteria do not apply.
- R - RPD between sample and duplicate sample outside the RPD acceptance limits.
- S - Batch MS and/or MSD were outside acceptance limits, batch LCS was acceptable.
- W - Sample temperature when received was out of limit as specified by method.
- Z - Batch LCS and/or LCSD were outside acceptance limits.



SGS Silver State Analytical Laboratories
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www.ssalabs.com

February 14, 2024
Workorder 24020245

David Handy
SPALDING CSD
502-907 Mahogany Way
Susanville, CA 96130

Project: Q4 January 2024/ Monitoring Well #1

Dear David Handy:

It is the policy of SGS Silver State Analytical Laboratory - Reno to strictly adhere to a comprehensive Quality Assurance Plan that ensures the data presented in this report are both accurate and precise. SGS Silver State Analytical Laboratory - Reno maintains accreditation in the State of Nevada (NV-00015) and the State of California (ELAP 2990).

The data presented in this report was obtained from the analysis of samples received under a chain of custody. Unless otherwise noted below, samples were received in good condition, properly preserved and within the hold time for the requested analyses. Any anomalies associated with the analysis of the samples have been flagged in the Analytical Report with an appropriate explanation in the Definitions & Qualifiers.

Sincerely,

A handwritten signature in cursive script that reads 'Carly Wood'.

Carly Wood
Laboratory Director
1135 Financial Blvd
Reno, NV 89502



SGS Silver State Analytical Laboratories
 1135 Financial Blvd
 Reno, NV 89502
 (775) 857-2400
 www.ssalabs.com

Analytical Report

Workorder#: 24020245
 Date Reported: 2/14/2024

Client: SPALDING CSD
Project Name: Q4 January 2024/ Monitoring Well #1
PO #:

Sampled By: David Handy

Laboratory Accreditation Number: NV015/CA2990

Laboratory ID	Client Sample ID	Date/Time Sampled	Date Received
24020245-01	Monitoring Well #1	02/06/2024 8:20	2/6/2024

Parameter	Method	Result	Units	PQL	Analyst	Date/Time Analyzed	Data Flag
Coliform, Fecal	SM 9222 D	<2	CFU/100ml	2	AC	02/06/2024 15:15	

Laboratory Accreditation Number: NV015/CA2990

Laboratory ID	Client Sample ID	Date/Time Sampled	Date Received
24020245-02	Monitoring Well #2	02/06/2024 8:45	2/6/2024

Parameter	Method	Result	Units	PQL	Analyst	Date/Time Analyzed	Data Flag
Coliform, Fecal	SM 9222 D	<2	CFU/100ml	2	AC	02/06/2024 15:15	



SilverState
Analytical Laboratories

Sierra Environmental Monitoring
EnviroTech

sem-analytical.com envirotechonline.com

3826 E. SUNSET RD., STE 100, LAS VEGAS, NV 89120
Phone (702) 873-4478 Fax: (702) 873-7967 (EPA#: NV00930, CA2885)
1135 FINANCIAL BOULEVARD, RENO, NV 89502
Phone (775) 857-2400 Fax: (888) 398-7002 (EPA#: NV00015, CA2526)

CHAIN-OF-CUSTODY-RECORD

Page 1 of 1

Report Results To:
Request Attention: David Handy
Company: SCSD
Mailing Address: 509-907 Mahogany Way
City, State, Zip: Susanville CA 96136
Phone: 530-825-3258
Email / Fax: sewer1a.scsd.nv.gov

Project Number: 04 January 2024
Invoice Attention: Company: SCSD
Mailing Address: SAME
City, State, Zip: Same
Phone: Same
Email / Fax: Same

Sampled by: David Handy
Signature: David Handy
I attest to the validity and authenticity of the sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time is considered fraud and may be grounds for legal action.

Standard: Standard TAT 7-10 Business Days. Note that some tests vary.
Rush: Same Day 3 Day Other (Specify):
1 Day 4 Day Rush results will be issued after 4:00 p.m.
2 Day 5 Day
NOTE: A Rush Surcharge is applied for rush samples

Other Pertinent Information / Special Instructions
12.C

ANALYSES REQUESTED

Date Sampled	Time Sampled	Sample Identification	SSAL - SEM Lab No.	Camp. Grid	Instr. Preservative**	Number / Type of Containers ***	Company	Quote #
020624	0830	Monitoring Well #1		G W	1,6,6,5	1 X Fecal/Coliform	SCSD	020624
020624	0845	Monitoring Well #2		G W	1,6,6,5	1 X	SCSD	020624

Reinquisitioned By: [Signature] Print Name: David Handy
 Received By: [Signature] Print Name: Kathy Tully
 Reinquisitioned By: [Signature] Print Name: Kathy Tully
 Received By: [Signature] Print Name: Kathy Tully
 Reinquisitioned By: [Signature] Print Name: Kathy Tully
 Received By: [Signature] Print Name: Kathy Tully

Authorization is required to process samples. This obligates your organization for sample fees, SSAL Standard 1 & C's or other written agreement applies. If collections or legal services are required to recover said fees, your organization will be responsible for all fees and costs in addition to service fees.
 Matrix* DW-Drinking Water, WW-Waste Water, GW-Ground Water, SW-Surface Water, SS-Soil, S-Solid, OT-Other
 Preservative** 1=H₂SO₄, 2=HNO₃, 3=HCl, 4=NaOH, 5=Na₂S₂O₃, 6=None, 7=Other

COMPLIANCE MONITORING? Yes No
 Applicable Program: SDWA CWA RCRA
 Misting Other _____
 QC Level Report: I II III IV
 Send Results Via: Mail Email Fax
 Send Invoice Via: Mail Email Fax
 Field Measurements: On-Site pH: Chlorine:
 ZENITH/ALTEC: Other:

Comments:
 Samples are discarded 30 days after results are reported unless other arrangements are made and storage fees may apply.
 The analytical results associated with this COC apply only to these samples as they are received by the laboratory.
 The liability of the laboratory is limited to the amount paid for the report.
 Container*** P-Plastic, G-Glass, V-Voa Vial, OT-Other



SGS Silver State Analytical Laboratories
1135 Financial Blvd
Reno, NV 89502
(775) 857-2400
www.ssalabs.com

Definitions & Qualifiers

WO#: 24020245
Date: 2/14/2024

Definitions:

LCS: Laboratory Control Sample; prepared by adding a known mass of target analytes to a specified amount of de-ionized water and prepared with the batch of samples, used to calculate Accuracy (%REC).

LCS/D: LCS Duplicate; used to calculate both Accuracy (%REC) and Precision (%RPD)

MBLK: Method Blank; a sample of similar matrix that is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedure, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses.

MS: Matrix Spike; prepared by adding a known mass of target analytes to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available, used to calculate Accuracy (%REC)

MS/D: Matrix Spike Duplicate; used to calculate both Accuracy (%REC) and Precision (%RPD)

RPD: Relative Percent Difference; comparison between sample and duplicate and/or MS and MSD.

PQL: Practical Quantitation Limit; the limit to which data is quantitated for reporting.

MDL: Method Detection Limit; the limit to which the instrument can reliably detect.

MCL: Maximum Contaminant Level; value set according to EPA guidelines.

Qualifiers:

- * - Analyte exceeds Safe Drinking Water Act MCL, does not meet drinking water standards.
- C - Analyte value below Safe Drinking Water Act MCL, does not meet drinking water standards.
- B - Analyte found above the PQL in associated method blank.
- G - Calibration blank analyte detected above PQL.
- H - Sample analyzed beyond holding time for this parameter.
- J - Estimated Value; Analyte found between MDL and PQL limits.
- L - Sample concentration is at least 5 times greater than spike contribution. Spike recovery criteria do not apply.
- R - RPD between sample and duplicate sample outside the RPD acceptance limits.
- S - Batch MS and/or MSD were outside acceptance limits, batch LCS was acceptable.
- W - Sample temperature when received was out of limit as specified by method.
- Z - Batch LCS and/or LCS/D were outside acceptance limits.



Sewer- Recreation & Fire Protection

Spalding Community Services District

502-907 Mahogany Way Susanville, CA 96130 • (530) 825-3258

MONITORING WELLS

Sampled by: David Handy _____

Date sampled: 6 February 2024 _____

WELL #1 - 60' Deep	WELL #2 - 45' Deep	WELL #3 - 50' Deep
--------------------	--------------------	--------------------

Purge Volume-Gallons	5 gallons	5 gallons	Not enough water to sample
Depth to water	49.3'	27.3'	
Sampled Time	0820 hrs	0845 hrs	
pH Reading	7.1	7.2	
Temperature	14c	8c	
Nutrient	0.3	0.9	



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Reno, NV 89502
(775) 857-2400
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April 30, 2024
Workorder 24040845

David Handy
SPALDING CSD
502-907 Mahogany Way
Susanville, CA 96130

Project: Q1 April 2024/ Pond #2

Dear David Handy:

It is the policy of SGS Silver State Analytical Laboratory - Reno to strictly adhere to a comprehensive Quality Assurance Plan that ensures the data presented in this report are both accurate and precise. SGS Silver State Analytical Laboratory - Reno maintains accreditation in the State of Nevada (NV-00015) and the State of California (ELAP 2990).

The data presented in this report was obtained from the analysis of samples received under a chain of custody. Unless otherwise noted below, samples were received in good condition, properly preserved and within the hold time for the requested analyses. Any anomalies associated with the analysis of the samples have been flagged in the Analytical Report with an appropriate explanation in the Definitions & Qualifiers.

Sincerely,

A handwritten signature in black ink that reads 'Carly Wood'.

Carly Wood
Laboratory Director
1135 Financial Blvd
Reno, NV 89502



SGS Silver State Analytical Laboratories
 1135 Financial Blvd
 Reno, NV 89502
 (775) 857-2400
 www.ssalabs.com

Analytical Report

Workorder#: 24040845
 Date Reported: 4/30/2024

Client: SPALDING CSD
Project Name: Q1 April 2024/ Pond #2
PO #:

Sampled By: David Handy

Laboratory Accreditation Number: NV015/CA2990

Laboratory ID	Client Sample ID	Date/Time Sampled	Date Received
24040845-01	Pond #2	04/16/2024 7:28	4/16/2024

Parameter	Method	Result	Units	PQL	Analyst	Date/Time Analyzed	Data Flag
Kjeldahl, Nitrogen	SM 4500 Norg B	8.3	mg/L	0.1	DL	04/24/2024 9:52	S
Nitrate as N	EPA 300.0	<0.05	mg/L	0.05	SR	04/17/2024 23:31	
Nitrite as N	EPA 300.0	<0.05	mg/L	0.05	SR	04/17/2024 23:31	
Nitrogen, Total	Calculation	8.3	mg/L	0.2	CW	04/30/2024 9:45	
Total Dissolved Solids	SM 2540 C	340	mg/L	10	HG	04/18/2024 0:00	

Laboratory Accreditation Number: NV015/CA2990

Laboratory ID	Client Sample ID	Date/Time Sampled	Date Received
24040845-02	Pond #3	04/16/2024 7:30	4/16/2024

Parameter	Method	Result	Units	PQL	Analyst	Date/Time Analyzed	Data Flag
Kjeldahl, Nitrogen	SM 4500 Norg B	32	mg/L	0.2	DL	04/24/2024 9:52	S
Nitrate as N	EPA 300.0	<0.05	mg/L	0.05	SR	04/17/2024 23:48	
Nitrite as N	EPA 300.0	<0.05	mg/L	0.05	SR	04/17/2024 23:48	
Nitrogen, Total	Calculation	32	mg/L	0.3	CW	04/30/2024 9:45	
Total Dissolved Solids	SM 2540 C	1600	mg/L	10	HG	04/18/2024 0:00	

Laboratory Accreditation Number: NV015/CA2990

Laboratory ID	Client Sample ID	Date/Time Sampled	Date Received
24040845-03	Monitoring Well #1	04/16/2024 7:55	4/16/2024

Parameter	Method	Result	Units	PQL	Analyst	Date/Time Analyzed	Data Flag
Chloride	EPA 300.0	1.1	mg/L	0.5	SR	04/18/2024 0:04	
Coliform, Fecal	SM 9222 D	<2	CFU/100ml	2	AC	04/16/2024 15:04	
Kjeldahl, Nitrogen	SM 4500 Norg B	0.7	mg/L	0.1	DL	04/24/2024 9:52	S
Nitrate as N	EPA 300.0	0.16	mg/L	0.05	SR	04/18/2024 0:04	
Nitrite as N	EPA 300.0	<0.05	mg/L	0.05	SR	04/18/2024 0:04	
Nitrogen, Total	Calculation	0.9	mg/L	0.2	CW	04/30/2024 9:45	
Phosphorus, Total as P	EPA 365.3	0.09	mg/L	0.02	CTR	04/23/2024 7:43	



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 1135 Financial Blvd
 Reno, NV 89502
 (775) 857-2400
 www.ssalabs.com

Analytical Report

Workorder#: 24040845
 Date Reported: 4/30/2024

Client: SPALDING CSD
Project Name: Q1 April 2024/ Pond #2
PO #:

Sampled By: David Handy

Laboratory Accreditation Number: NV015/CA2990

Laboratory ID	Client Sample ID	Date/Time Sampled	Date Received
24040845-04	Monitoring Well #2	04/16/2024 8:20	4/16/2024

Parameter	Method	Result	Units	PQL	Analyst	Date/Time Analyzed	Data Flag
Chloride	EPA 300.0	1.1	mg/L	0.5	SR	04/18/2024 0:21	
Coliform, Fecal	SM 9222 D	<4	CFU/100ml	4	AC	04/16/2024 15:04	
Kjeldahl, Nitrogen	SM 4500 Norg B	1.7	mg/L	0.1	DL	04/24/2024 9:52	S
Nitrate as N	EPA 300.0	0.06	mg/L	0.05	SR	04/18/2024 0:21	
Nitrite as N	EPA 300.0	<0.05	mg/L	0.05	SR	04/18/2024 0:21	
Nitrogen, Total	Calculation	1.8	mg/L	0.2	CW	04/30/2024 9:45	
Phosphorus, Total as P	EPA 365.3	3.1	mg/L	0.4	CTR	04/23/2024 7:43	

Laboratory Accreditation Number: NV015/CA2990

Laboratory ID	Client Sample ID	Date/Time Sampled	Date Received
24040845-05	Monitoring Well #3	04/16/2024 8:45	4/16/2024

Parameter	Method	Result	Units	PQL	Analyst	Date/Time Analyzed	Data Flag
Chloride	EPA 300.0	2.2	mg/L	0.5	SR	04/18/2024 1:11	
Coliform, Fecal	SM 9222 D	<2	CFU/100ml	2	AC	04/16/2024 15:04	
Kjeldahl, Nitrogen	SM 4500 Norg B	2.1	mg/L	0.1	DL	04/24/2024 9:52	S
Nitrate as N	EPA 300.0	4.8	mg/L	0.05	SR	04/18/2024 1:11	
Nitrite as N	EPA 300.0	0.14	mg/L	0.05	SR	04/18/2024 1:11	
Nitrogen, Total	Calculation	7.0	mg/L	0.2	CW	04/30/2024 9:45	
Phosphorus, Total as P	EPA 365.3	0.9	mg/L	0.4	CTR	04/23/2024 7:43	



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 Reno, NV 89502
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 www.ssalabs.com

Quality Control Report

WO#: 24040845
 4/30/2024

Analysis: Total Dissolved Solids
Method: SM 2540 C

Batch ID: R89628

Duplicate

RunID: 89628 SeqNo 2414682 Units: mg/L
 Analysis Date: 4/18/2024 Analyst: HG

Analyte	Result	Rep Limit	Rep Qual	RPD	Sample Value
Total Dissolved Solids	2240	10.0		0.0264317	2300

Method Blank

RunID: 89628 SeqNo 2414657 Units: mg/L
 Analysis Date: 4/18/2024 Analyst: HG

Analyte	Result	Rep Limit	Rep Qual
Total Dissolved Solids	< 10	10	



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Quality Control Report

WO#: 24040845
 4/30/2024

Method Blank

RunID: 89628 SeqNo 2414658 Units: mg/L
 Analysis Date: 4/18/2024 Analyst: HG

Analyte	Result	Rep Limit	Rep Qual
Total Dissolved Solids	< 10	10	

Laboratory Control Sample (LCS)

RunID: 89628 SeqNo 2414659 Units: mg/L
 Analysis Date: 4/18/2024 Analyst: HG

Analyte	LCS Spike Added	LCS Result	LCS % Recovery	LCSD Spike Added	LCSD Result	LCSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Total Dissolved Solids	500.0	506	101								

Laboratory Control Sample (LCS)

RunID: 89628 SeqNo 2414660 Units: mg/L
 Analysis Date: 4/18/2024 Analyst: HG

Analyte	LCS Spike Added	LCS Result	LCS % Recovery	LCSD Spike Added	LCSD Result	LCSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Total Dissolved Solids	500.0	506	101								

Analysis: Anions 300.0
Method: EPA 300.0

Batch ID: R89630

Method Blank

RunID: 89630 SeqNo 2408399 Units: mg/L
 Analysis Date: 4/2/2024 2:49:00 PM Analyst: SR

Analyte	Result	Rep Limit	Rep Qual
Chloride	< 0.50	0.50	
Nitrate as N	< 0.050	0.050	
Nitrite as N	< 0.050	0.050	

Original



SGS Silver State Analytical Laboratories
 1135 Financial Blvd
 Reno, NV 89502
 (775) 857-2400
 www.ssalabs.com

Quality Control Report

WO#: 24040845
 4/30/2024

Method Blank

RunID: 89630 SeqNo 2408479 Units: mg/L
 Analysis Date: 4/2/2024 5:04:00 PM Analyst: SR

Analyte	Result	Rep Limit	Rep Qual
Chloride	< 0.50	0.50	
Nitrate as N	< 0.050	0.050	
Nitrite as N	< 0.050	0.050	

Laboratory Control Sample (LCS)

RunID: 89630 SeqNo 2408401 Units: mg/L
 Analysis Date: 4/2/2024 5:37:00 PM Analyst: SR

Analyte	LCS Spike Added	LCS Result	LCS % Recovery	LCSD Spike Added	LCSD Result	LCSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Chloride	10.00	9.8	97.6								
Nitrate as N	10.00	9.7	96.9								
Nitrite as N	10.00	9.6	95.9								

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 24040828-01A
 RunID: 89630 SeqNo 2408415 Units: mg/L
 Analysis Date: 4/17/2024 5:05:00 PM Analyst: SR

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Chloride	13.83	100.0	110	96.8								
Nitrate as N	3.837	100.0	99	95.2								
Nitrite as N	0	100.0	94	94.0								

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 24040828-09A
 RunID: 89630 SeqNo 2408442 Units: mg/L
 Analysis Date: 4/17/2024 8:09:00 PM Analyst: SR

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Chloride	13.42	100.0	110	98.5								
Nitrate as N	0.2245	100.0	95	94.7								
Nitrite as N	0	100.0	100	100								

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 24040845-04A
 RunID: 89630 SeqNo 2408461 Units: mg/L
 Analysis Date: 4/18/2024 12:55:00 AM Analyst: SR

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual

Original



SGS Silver State Analytical Laboratories
 1135 Financial Blvd
 Reno, NV 89502
 (775) 857-2400
 www.ssalabs.com

Quality Control Report

WO#: 24040845
 4/30/2024

Chloride	1.032	100.0	100	99.0
Nitrate as N	0	100.0	96	95.7
Nitrite as N	0	100.0	95	95.5

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 24040851-01A

RunID: 89630 SeqNo 2408468 Units: mg/L

Analysis Date: 4/18/2024 2:52:00 AM Analyst: SR

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Chloride	33.41	100.0	130	101								
Nitrate as N	1.468	100.0	100	98.3								
Nitrite as N	0	100.0	100	100								

Analysis: Phosphorus, Total
Method: EPA 365.3

Batch ID: R89819

Method Blank

RunID: 89819 SeqNo 2418010 Units: mg/L

Analysis Date: 4/23/2024 7:43:00 AM Analyst: CTR

Analyte	Result	Rep Limit	Rep Qual
Phosphorus, Total as P	< 0.02	0.02	

Laboratory Control Sample (LCS)

RunID: 89819 SeqNo 2418011 Units: mg/L

Analysis Date: 4/23/2024 7:43:00 AM Analyst: CTR

Analyte	LCS Spike Added	LCS Result	LCS % Recovery	LCSD Spike Added	LCSD Result	LCSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Phosphorus, Total as P	0.2500	0.239	95.6	0.2500	0.239	95.6	0	20	90	110	

Laboratory Control Sample (LCS)

RunID: 89819 SeqNo 2418012 Units: mg/L

Analysis Date: 4/23/2024 7:43:00 AM Analyst: CTR

Analyte	LCS Spike Added	LCS Result	LCS % Recovery	LCSD Spike Added	LCSD Result	LCSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Phosphorus, Total as P	0.2500	0.239	95.6	0.2500	0.239	95.6	0	20	90	110	

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 24040845-03B

RunID: 89819 SeqNo 2418024 Units: mg/L

Analysis Date: 4/23/2024 7:43:00 AM Analyst: CTR

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual

Original



SGS Silver State Analytical Laboratories
 1135 Financial Blvd
 Reno, NV 89502
 (775) 857-2400
 www.ssalabs.com

Quality Control Report

WO#: 24040845
 4/30/2024

Phosphorus, Total as P	0.09100	0.2000	0.282	95.5	0.2000	0.282	95.5	0	20	80	120	
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Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 24040845-03B

RunID: 89819 SeqNo 2418025 Units: mg/L

Analysis Date: 4/23/2024 7:43:00 AM Analyst: CTR

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Phosphorus, Total as P	0.09100	0.2000	0.282	95.5								

Analysis: Kjeldahl Nitrogen, Total (TKN)

Method: SM 4500 Norg D

Batch ID: R89827

Method Blank

RunID: 89827 SeqNo 2426384 Units: mg/L

Analysis Date: 4/24/2024 9:52:00 AM Analyst: DL

Analyte	Result	Rep Limit	Rep Qual
Kjeldahl, Nitrogen	< 0.1	0.1	

Laboratory Control Sample (LCS)

RunID: 89827 SeqNo 2426385 Units: mg/L

Analysis Date: 4/24/2024 9:52:00 AM Analyst: DL

Analyte	LCS Spike Added	LCS Result	LCS % Recovery	LCSD Spike Added	LCSD Result	LCSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Kjeldahl, Nitrogen	19.00	16.8	88.4								

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 24040669-06B

RunID: 89827 SeqNo 2426387 Units: mg/L

Analysis Date: 4/24/2024 9:52:00 AM Analyst: DL

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Kjeldahl, Nitrogen	1.000	10.00	10.2	92.0	10.00	6.87	58.7	39.0	20	80	120	RS

Matrix Spike (MS) / Matrix Spike Duplicate (MSD)

Sample Spiked: 24040669-06B

RunID: 89827 SeqNo 2426388 Units: mg/L

Analysis Date: 4/24/2024 9:52:00 AM Analyst: DL

Analyte	Sample Result	MS Spike Added	MS Result	MS % Recovery	MSD Spike Added	MSD Result	MSD % Recovery	RPD	RPD Limit	Low Limit	High Limit	Qual
Kjeldahl, Nitrogen	1.000	10.00	6.87	58.7								

Original



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Quality Control Report

WO#: 24040845
4/30/2024

Analysis: Nitrogen, Total - Calculation Only
Method: Calculation

Batch ID: R90028

Duplicate

RunID: 90028 SeqNo 2426754 Units: mg/L
Analysis Date: 4/30/2024 9:45:55 AM Analyst: CW

Analyte	Result	Rep Limit	Rep Qual	RPD	Sample Value
Nitrogen, Total	33	2.0		0	33



SilverState
Analytical Laboratories

Sierra Environmental Monitoring
EnviroTech

sem-analytical.com envirotechonline.com

3626 E. SUNSET RD., STE 100, LAS VEGAS, NV 89120
Phone (702) 873-4478 Fax: (702) 873-7967 (EPA#: NV00930, CA2885)
 1135 FINANCIAL BOULEVARD, RENO, NV 89502
Phone (775) 857-2400 Fax: (888) 398-7002 (EPA#: NV00015, CA2526)

CHAIN-OF-CUSTODY-RECORD

24040845

Page 1 of 1

Report Results To:

Report Attention: David Handy Project Number: Q1 April 2024
Company: SCSD
Mailing Address: 502-907 Mahogany Way
City/State/Zip: Susanville CA 96130
Phone: 530-825-3258 Email/Fax: sewer1@spaldingsd.org

Send Invoice To:

Invoice Attention: SCSD PO#: 24040845
Company: SCSD
Mailing Address: 502-907 Mahogany Way
City/State/Zip: Susanville CA 96130
Phone: 530-825-3258 Email/Fax: sewer1@spaldingsd.org

ANALYSES REQUESTED

Date Sampled	Time Sampled	Sample Identification	SSAL - SEM Lab No.	Comp. Mater. Preservative**	Number / Type of Containers ***	TDS	Fecal Coliform	Total Nitrogen	Total Phosphorus	Nitrate Chloride
041624	0728	POND # 2		G W 6116	2	X	X	X	X	
041624	0730	POND # 3		G W 6116	2	X	X	X	X	
041624	0755	MONITORING WELL # 1		G W 14615	3	X	X	X	X	
041624	0820	MONITORING WELL # 2		G W 14615	3	X	X	X	X	
041624	0845	MONITORING WELL # 3		G W 14615	3	X	X	X	X	

Signature: David Handy Print Name: DAVID HANDY Company: SCSD Date: 041624 Time: 1010

Received By: Kathleen Tully Company: SCS Date: 041624 Time: 1410

Relinquished By: Arthur McLawrence Company: SGS Date: 4/16/24 Time: 1410

Relinquished By: _____ Date: _____ Time: _____

Received By: _____ Date: _____ Time: _____

Authorized By: _____ Date: _____ Time: _____

Standard: Standard TAT 7-10 Business Days. Note that some tests vary.
Rush: Same Day: 3 Day: Other (specify): _____
1 Day: 4 Day: Rush results will be issued after 4:00 p.m.
2 Day: 5 Day:
NOTE: A Rush Surcharge is applied for rush samples

Other Pertinent Information / Special Instructions: 19.2

Compliance Monitoring? Yes No Results: Invoice:

Applicable Program: SDWA CWA RCRA MRL Other: _____

QC Level Report: I II III IV

Send Results Via: Mail: Email: Fax:

Send Invoice Via: Mail: Email: Fax:

Field Measurements: On-Site pH: Chlorine: _____
Temperature: _____ Other: _____

Comments: _____

Matrix* DW=Drinking Water, WW=Waste Water, GW=Ground Water, SW=Surface Water, SS=Soil, S=Solid, OT=Other
Preservative** 1=H₂SO₄, 2=HNO₃, 3=HCl, 4=NaOH, 5=Na₂S₂O₅, 6=None, 7=Other

Container**** P-Plastic, G-Glass, V-Voa Vial, OT-Other

Authorization is required to process samples. This obligates your organization for service fees. SSAL Standard T & C's or other written agreement applies. If collections or legal services are required to recover said fees, your organization will be responsible for all fees and costs in addition to service fees.

Samples are discarded 30 days after results are reported unless other arrangements are made and storage fees may apply. The analytical results associated with this COC apply only to those samples as they are received by the laboratory. The liability of the laboratory is limited to the amount paid for the report.



SGS Silver State Analytical Laboratories
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Reno, NV 89502
(775) 857-2400
www.ssalabs.com

Definitions & Qualifiers

WO#: 24040845
Date: 4/30/2024

Definitions:

LCS: Laboratory Control Sample; prepared by adding a known mass of target analytes to a specified amount of de-ionized water and prepared with the batch of samples, used to calculate Accuracy (%REC).

LCSD: LCS Duplicate; used to calculate both Accuracy (%REC) and Precision (%RPD)

MBLK: Method Blank; a sample of similar matrix that is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedure, and in which no target analytes or interferences are present at concentrations that impact the analytical results for sample analyses.

MS: Matrix Spike; prepared by adding a known mass of target analytes to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available, used to calculate Accuracy (%REC)

MSD: Matrix Spike Duplicate; used to calculate both Accuracy (%REC) and Precision (%RPD)

RPD: Relative Percent Difference; comparison between sample and duplicate and/or MS and MSD.

PQL: Practical Quantitation Limit; the limit to which data is quantitated for reporting.

MDL: Method Detection Limit; the limit to which the instrument can reliably detect.

MCL: Maximum Contaminant Level; value set according to EPA guidelines.

Qualifiers:

* - Analyte exceeds Safe Drinking Water Act MCL, does not meet drinking water standards.

C - Analyte value below Safe Drinking Water Act MCL, does not meet drinking water standards.

B - Analyte found above the PQL in associated method blank.

G - Calibration blank analyte detected above PQL.

H - Sample analyzed beyond holding time for this parameter.

J - Estimated Value; Analyte found between MDL and PQL limits.

L - Sample concentration is at least 5 times greater than spike contribution. Spike recovery criteria do not apply.

R - RPD between sample and duplicate sample outside the RPD acceptance limits.

S - Batch MS and/or MSD were outside acceptance limits, batch LCS was acceptable.

W - Sample temperature when received was out of limit as specified by method.

Z - Batch LCS and/or LCSD were outside acceptance limits.



Spalding Community Services District

502-907 Mahogany Way Susanville, CA 96130 • (530) 825-3258

MONITORING WELLS

Sampled by: David Handy

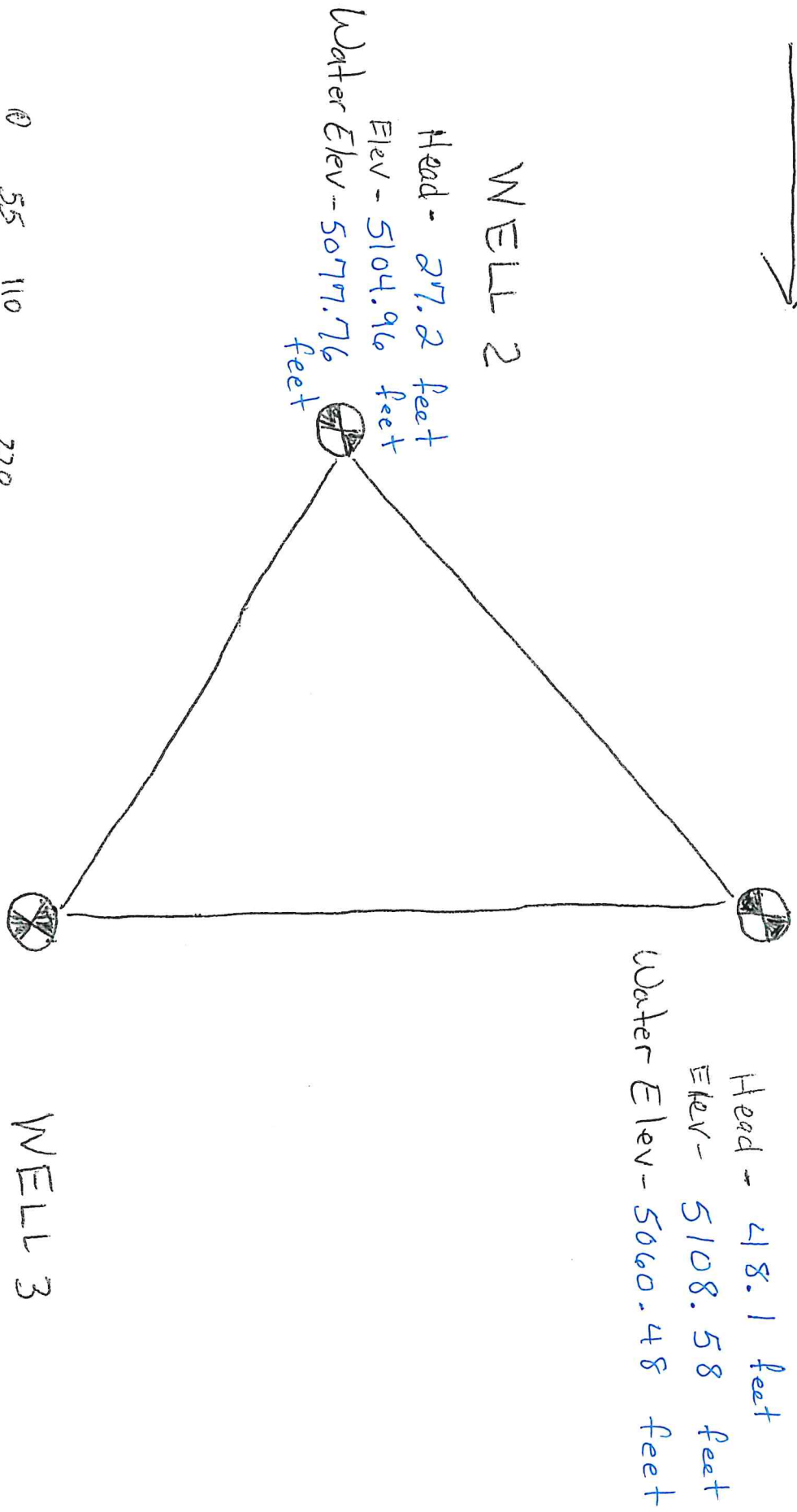
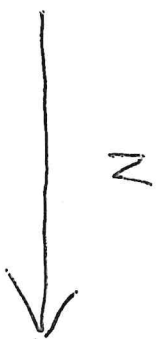
Date sampled: 16 Apr 2024

^{58.6} WELL #1 - 60' Deep	^{45.1} WELL #2 - 45' Deep	^{44.5} WELL #3 - 50' Deep
---------------------------------------	---------------------------------------	---------------------------------------

Purge Volume-Gallons	5 gal	5 gal	5 gal
Depth to water	48.1 feet	27.2 feet	35.9 feet
Sampled Time	0755 hrs	0820 hrs	0845 hrs
pH Reading	6.8	7.1	6.5
Temperature	10°	8°	10°
Electrical Conductivity	.4	.8	.8

SPALDING CSD

Q1 16 APR 2024



WELL 1

Head - 418.1 feet
Elev - 5108.58 feet
Water Elev - 5060.48 feet

WELL 2

Head - 217.2 feet
Elev - 5104.96 feet
Water Elev - 5077.76 feet

WELL 3

Head - 35.9 feet
Elev - 5105.92 feet
Water Elev - 5070.02 feet

