



STATE OF
COLORADO

Gagnon - DNR, Nikie <nikie.gagnon@state.co.us>

RE: Notice of Complete Application for Permit: M2023025 Revision: TR1

1 message

JC York <jcyork@j-tconsulting.com>

Mon, Aug 4, 2025 at 2:25 PM

To: "Gagnon - DNR, Nikie" <nikie.gagnon@state.co.us>

Cc: "Lennberg - DNR, Patrick" <patrick.lennberg@state.co.us>

Nikie –

Per our phone conversation. Here are the pdfs of the technical revision letters and appendices that should have everything in them. I have also attached the information provided by Stewart Environmental for the field data they recorded during the sampling for each pit. Let me know if you need anything else.

Regards,

J.C.

J.C. York, P.E.

J&T Consulting, Inc.

305 Denver Avenue, Suite D

Fort Lupton, CO 80621

Office: (303) 857-6222

Mobile: (970) 222-9530

FAX: (303) 857-6224

From: JC York

Sent: Monday, August 4, 2025 12:59 PM

To: Gagnon - DNR, Nikie <nikie.gagnon@state.co.us>

Subject: RE: Notice of Complete Application for Permit: M2023025 Revision: TR1

Bernhardt Pit - Monitoring Well Readings and Sampling

Date: 2nd Qtr 2024

Well Designation

Description

Top of Well Elevation

Ground Elevation

Date

6/28/2024

Field Readings

pH

Cond

Temp

ORP

Turb;

JT-MW-1			JT-MW-2			JT-MW-3			JT-MW-4		
North Side			East Side			West Side			South Side		
4722.96			4723.15			4727.70			4726.65		
4719.92			4720.09			4724.78			4723.56		
Depth to Grundwater from Top of Casing (ft)	Depth to Grundwater from Ground Elev (ft)	Elevation of Grundwater (ft)	Depth to Grundwater from Top of Casing (ft)	Depth to Grundwater from Ground Elev (ft)	Elevation of Grundwater (ft)	Depth to Grundwater from Top of Casing (ft)	Depth to Grundwater from Ground Elev (ft)	Elevation of Grundwater (ft)	Depth to Grundwater from Top of Casing (ft)	Depth to Grundwater from Ground Elev (ft)	Elevation of Grundwater (ft)
8.20	5.16	4714.76	7.50	4.44	4715.65	9.10	6.18	4718.60	8.10	5.01	4718.55
1st	2nd	3rd	1st	2nd	3rd	1st	2nd	3rd	1st	2nd	3rd
7.85	7.77	7.88	7.63	7.63	7.66	7.90	7.32	7.68	7.66	7.70	7.79
1367	1434	1440	1414	1245	1308	920	1040	1036	1259	1244	1262
19.8	17.8	17.7	27.7	22.6	21.8	23.3	20.1	21.5	19.5	18.7	19.2
776	853	903	799	852	874	899	952	987	770	908	843
932	OL	OL	385	236	97	328	388	1100	NA	NA	NA

Date:

Well Designation

Description

Top of Well Elevation

Ground Elevation

Date

10/9/2024

Field Readings

pH

Cond

Temp

ORP

Turb;

3rd Qtr 2024

JT-MW-1			JT-MW-2			JT-MW-3			JT-MW-4		
North Side			East Side			West Side			South Side		
4722.96			4723.15			4727.70			4726.65		
4719.92			4720.09			4724.78			4723.56		
Depth to Grundwater from Top of Casing (ft)	Depth to Grundwater from Ground Elev (ft)	Elevation of Grundwater (ft)	Depth to Grundwater from Top of Casing (ft)	Depth to Grundwater from Ground Elev (ft)	Elevation of Grundwater (ft)	Depth to Grundwater from Top of Casing (ft)	Depth to Grundwater from Ground Elev (ft)	Elevation of Grundwater (ft)	Depth to Grundwater from Top of Casing (ft)	Depth to Grundwater from Ground Elev (ft)	Elevation of Grundwater (ft)
9.60	6.56	4713.36	8.80	5.74	4714.35	11.20	8.28	4716.50	9.80	6.71	4716.85
1st	2nd	3rd	1st	2nd	3rd	1st	2nd	3rd	1st	2nd	3rd
7.37	7.16	7.11	7.07	7.21	7.05	8.06	7.83	7.31	7.28	7.16	7.09
1338	1453	1463	1244	1265	1292	1045	1062	1109	1043	1096	1109
26.3	22.3	21.1	21.6	21.1	19.7	22.8	22.3	22.6	21.8	19.0	18.1
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
678	930	1100	212	168	130	93	>1100	>1100	233	326	369

Date:

Well Designation

Description

Top of Well Elevation

Ground Elevation

Date

1/22/2025

Field Readings

pH

Cond

Temp

ORP

Turb;

Jan 22, 2025

JT-MW-1			JT-MW-2			JT-MW-3			JT-MW-4		
North Side			East Side			West Side			South Side		
4722.96			4723.15			4727.70			4726.65		
4719.92			4720.09			4724.78			4723.56		
Depth to Grundwater from Top of Casing (ft)	Depth to Grundwater from Ground Elev (ft)	Elevation of Grundwater (ft)	Depth to Grundwater from Top of Casing (ft)	Depth to Grundwater from Ground Elev (ft)	Elevation of Grundwater (ft)	Depth to Grundwater from Top of Casing (ft)	Depth to Grundwater from Ground Elev (ft)	Elevation of Grundwater (ft)	Depth to Grundwater from Top of Casing (ft)	Depth to Grundwater from Ground Elev (ft)	Elevation of Grundwater (ft)
7.87	4.83	4715.09	8.30	5.24	4714.85	10.30	7.38	4717.40	9.15	6.06	4717.50
1st	2nd	3rd	1st	2nd	3rd	1st	2nd	3rd	1st	2nd	3rd
7.68	7.63	7.64	8.33	7.90	7.62	8.33	7.90	7.72	8.36	8.13	7.80
1636	1655	1763	1531	1431	1406	1344	1235	1207	1356	1249	1237
6.0	6.4	5.6	4.6	4.2	4.1	3.7	6.3	3.1	2.6	5.8	6.5
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
56	66	49	1058	>1100	>1100	176	346	417	261	56	43

Date:

Well Designation

Description

Top of Well Elevation

Ground Elevation

Date

5/9/2025

Field Readings

pH

Cond

Temp

ORP

Turb;

May 9, 2025

JT-MW-1			JT-MW-2			JT-MW-3			JT-MW-4		
North Side			East Side			West Side			South Side		
4722.96			4723.15			4727.70			4726.65		
4719.92			4720.09			4724.78			4723.56		
Depth to Grundwater from Top of Casing (ft)	Depth to Grundwater from Ground Elev (ft)	Elevation of Grundwater (ft)	Depth to Grundwater from Top of Casing (ft)	Depth to Grundwater from Ground Elev (ft)	Elevation of Grundwater (ft)	Depth to Grundwater from Top of Casing (ft)	Depth to Grundwater from Ground Elev (ft)	Elevation of Grundwater (ft)	Depth to Grundwater from Top of Casing (ft)	Depth to Grundwater from Ground Elev (ft)	Elevation of Grundwater (ft)
8.50	5.46	4714.46	8.60	5.54	4714.55	10.60	7.68	4717.10	9.40	6.31	4717.25
1st	2nd	3rd	1st	2nd	3rd	1st	2nd	3rd	1st	2nd	3rd
7.50	7.20	7.67	7.67	7.72	7.66	7.65	7.70	7.60	7.98	7.95	7.86
1559	1502	1527	1341	1326	1391	1093	1093	1133	1198	1260	1256
14.6	15.3	15.4	20.4	17.7	17.3	17.8	17.6	17.5	24.7	22.3	21.8
374	406	420	395	463	482	412	448	495	432	473	508
150	559	540	51	383	371	59	306	>1100	674	726	868



J&T Consulting, Inc.

June 30, 2025

Ms. Nikie Gagnon
Environmental Protection Specialist
State of Colorado
Division of Reclamation, Mining, & Safety

Physical Address:

1313 Sherman Street, Room 215
Denver, CO 80203

Mailing Address:

Division of Reclamation, Mining and Safety, Room 215
1001 East 62nd Avenue
Denver, CO 80216

RE: *W.W. Clyde & Co. – Bernhardt Sand and Gravel Pit – Technical Revision No. 1 Request
File No. M-2023-025*

Dear Ms. Gagnon,

W.W. Clyde & Co. (WW Clyde) requests a revision to their existing permit to address the following items:

Revised Water Quality Testing: Revision of the existing permit to reduce the water quality testing from quarterly to twice a year. One test taken during higher river flows and one test taken during low river flows. We believe a test in July during higher groundwater levels (based on observed levels to date) and test in October during lower ground water levels (based on observed levels to date) would be reasonable. Revision of the existing permit to reduce the water quality testing elements to those that have tested at or above the Table 41 CDPHE limits (see attached spreadsheet for information). Per the existing permit Monitor Well 3 located on the west side of the permit boundary will be used as a background water quality sampling location and the remaining three monitoring wells as points of compliance (POC), the POCs will be Monitor Wells 1, 2, and 4.

The past five quarters we have taken test samples and recorded baseline levels per the water quality testing requirements for the original permit. We have attached the data in the attached spreadsheets showing which elements we believe should remain in the testing and the highlighted elements that have met or been lower than the Table 41 CDPHE limits.

We are also including the monitor well measurements and charts showing the seasonal groundwater fluctuations in levels and elevations.

This letter will serve as notice to the DRMS that WW Clyde requests a technical revision to update the existing permit water quality testing.

WW Clyde appreciates your consideration of this revision request and looks forward to your response.



Please feel free to contact me with any questions or comments.

Sincerely,



J.C. York, P.E.

J&T Consulting, Inc.

Attachments:

Water Quality Testing Spreadsheet – Last 5 quarters of data and information on elements sampled and tested.

SGS Lab Testing Reports

Groundwater Monitoring Levels for Bernhardt Sand and Gravel Pit

Monitor Well Location Map

cc: WW Clyde
File

Monitor Well Number	Element	Reg 41 Values (mg/l)	2024				2025
			Q1	Q2	Q3	Q4	Q1
			Result (mg/l)	Results (mg/l)	Result (mg/l)	Results (mg/l)	Result (mg/l)
1	Fluoride	2	1.2	1.1	1	0.96	1
	Chloride	250	151	156	216	80.7	169
	Sulfate	250	188	179	239	279	206
	Nitrogen, Nitrate (NO3)	10	3.4				
	Nitrogen, Nitrite (NO2)	1	<0.040				
	Nitrogen + Nitrate as Nitrogen	10	3.4		13.4	6	5.9
	Solids, Total Dissolved	X	709	745	910	725	700
	Dissolved Metal Analysis						
	Aluminum	5	<0.1	<0.05	0.0551	<0.05	<0.05
	Antimony	0.006	<0.03	<0.0004	<0.0004	<0.0004	<0.0004
	Arsenic	0.01	<0.025	0.00053	0.00071	0.0004	0.00068
	Barium	2	0.062	0.135	0.088	0.0737	0.0992
	Beryllium	0.004	<0.01	<0.0002	<0.0002	<0.0002	
	Boron	0.75	0.209	0.209	0.222	0.218	0.19
	Cadmium	0.005	<0.01	<0.0001	<0.0001	<0.0001	<0.0001
	Chromium	0.1	<0.01	<0.002	<0.002	<0.002	<0.002
	Cobalt	0.05	<0.005	0.00044	0.00041	0.00042	<0.0002
	Copper	0.2	<0.01	<0.002	<0.002	0.0026	<0.002
	Iron	0.3	<0.07	<0.02	0.0502	<0.02	<0.02
	Lead	0.05	<0.05	<0.0005	<0.0005	<0.0005	<0.0005
	Lithium	2.5	0.0224	0.0261	0.0351	0.0193	0.0206
	Manganese	0.05	<0.005	0.0116	0.0175	0.031	0.0096
	Mercury	0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	Molybdenum	0.21	<0.01	0.0033	0.003	0.004	0.0028
	Nickel	0.1	<0.03	0.0024	0.002	0.002	<0.002
	Selenium	0.02	<0.05	0.0014	0.0014	0.0006	0.001
	Silver	0.05	<0.03	<0.0001	<0.0001	<0.0001	<0.0001
	Thallium	0.002	<0.01	<0.0002	<0.0002	<0.0002	<0.0002
	Uranium	0.03	<0.05	0.0072	0.0105	0.0051	0.0039
	Vanadium	0.1	<0.01	<0.001	0.0012	<0.001	0.0012
	Zinc	2	<0.03	<0.01	<0.01	<0.01	<0.01

Means meets regulation

Element	Recommendation
Sulfate	These elements exceeded Reg 41 thresholds during at least one quarter in at least one well, therefore they should continue to be included in future testing
Nitrogen + Nitrate	
Iron	
TDS	

Monitor Well Number	Element	Reg 41 Values (mg/l)	2024				2025
			Q1 Result (mg/l)	Q2 Results (mg/l)	Q3 Result (mg/l)	Q4 Results (mg/l)	Q1 Result (mg/l)
2	Fluoride	2	Not Available	1	0.57	1	0.9
	Chloride	250		194	168	171	161
	Sulfate	250		226	199	201	193
	Nitrogen, Nitrate (NO3)	10					
	Nitrogen, Nitrite (NO2)	1					
	Nitrogen + Nitrate as Nitrogen	10					
	Solids, Total Dissolved	X		874	727	669	683
Dissolved Metal Analysis							
	Aluminum	5		<0.05	0.0545	<0.05	<0.05
	Antimony	0.006		<0.0004	<0.0004	<0.0004	<0.0004
	Arsenic	0.01		0.00054	0.00027	0.00028	0.00029
	Barium	2		0.138	0.0558	0.0442	0.0508
	Beryllium	0.004		<0.0002	<0.0002	<0.0002	
	Boron	0.75		0.21	0.203	0.193	0.205
	Cadmium	0.005		<0.0001	<0.0001	<0.0001	<0.0001
	Chromium	0.1		<0.002	<0.002	<0.002	<0.002
	Cobalt	0.05		0.00067	0.00025	0.00029	<0.0002
	Copper	0.2		<0.002	<0.002	<0.002	<0.002
	Iron	0.3		<0.02	0.536	<0.02	<0.02
	Lead	0.05		<0.0005	<0.0005	<0.0005	<0.0005
	Lithium	2.5		0.0266	0.0284	0.0147	0.0138
	Manganese	0.05		0.0124	0.0053	0.012	0.0083
	Mercury	0.002		<0.0001	<0.0001	<0.0001	<0.0001
	Molybdenum	0.21		0.0032	0.0015	0.0018	0.0017
	Nickel	0.1		0.0028	<0.002	<0.002	<0.002
	Selenium	0.02		0.0013	0.0011	0.0012	0.0013
	Silver	0.05		<0.0001	<0.0001	<0.0001	<0.0001
	Thallium	0.002		<0.0002	<0.0002	<0.0002	<0.0002
	Uranium	0.03		0.0071	0.0146	0.0132	0.0129
	Vanadium	0.1		<0.001	<0.001	<0.001	<0.001
	Zinc	2		<0.01	<0.01	<0.01	<0.01

Means meets regulation

Element	Recommendation
Sulfate	These elements exceeded Reg 41 thresholds during at least one quarter in at least one well, therefore they should continue to be included in future testing
Nitrogen + Nitrate	
Iron	
TDS	

Monitor Well Number	Element	Reg 41 Values (mg/l)	2024				2025
			Q1	Q2	Q3	Q4	Q1
			Result (mg/l)	Results (mg/l)	Result (mg/l)	Results (mg/l)	Result (mg/l)
3	Fluoride	2	0.86	0.83	0.81	1.3	0.99
	Chloride	250	165	172	151	153	173
	Sulfate	250	193	192	195	181	212
	Nitrogen, Nitrate (NO3)	10	4				
	Nitrogen, Nitrite (NO2)	1	<0.040				
	Nitrogen + Nitrate as Nitrogen	10	4		2.9	3.2	8.2
	Solids, Total Dissolved	X	723	731	665	639	796
Dissolved Metal Analysis							
	Aluminum	5	<0.1	<0.05	0.0526	<0.05	<0.05
	Antimony	0.006	<0.03	<0.0004	<0.0004	<0.0004	<0.0004
	Arsenic	0.01	<0.025	0.00025	0.00028	0.0005	0.00046
	Barium	2	0.0513	0.0608	0.0477	0.0424	0.0696
	Beryllium	0.004	<0.01	<0.0002	<0.0002	<0.0002	<0.0002
	Boron	0.75	0.191	0.2	0.208	0.203	0.219
	Cadmium	0.005	<0.01	<0.0001	<0.0001	<0.0001	<0.0001
	Chromium	0.1	<0.01	<0.002	<0.002	<0.002	<0.002
	Cobalt	0.05	<0.005	0.00032	0.00029	0.00039	0.00024
	Copper	0.2	<0.01	<0.002	<0.002	0.0078	<0.002
	Iron	0.3	<0.07	<0.02	0.0342	<0.02	<0.02
	Lead	0.05	<0.05	<0.0005	<0.0005	<0.0005	<0.0005
	Lithium	2.5	0.0151	0.0183	0.0256	0.0216	0.0235
	Manganese	0.05	<0.005	0.0013	0.0076	0.0395	0.0199
	Mercury	0.002	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
	Molybdenum	0.21	<0.01	0.0015	0.0014	0.0074	0.0056
	Nickel	0.1	<0.03	<0.002	<0.002	<0.002	<0.002
	Selenium	0.02	<0.05	0.0011	<0.0004	0.0012	0.0013
	Silver	0.05	<0.03	<0.0001	<0.0001	<0.0001	<0.0001
	Thallium	0.002	<0.01	<0.0002	<0.0002	<0.0002	<0.0002
	Uranium	0.03	<0.05	0.0139	0.0153	0.0066	0.0129
	Vanadium	0.1	<0.01	<0.001	<0.001	<0.001	<0.001
	Zinc	2	<0.03	<0.01	<0.01	<0.01	<0.01

Means meets regulation

Element	Recommendation
Sulfate	These elements exceeded Reg 41 thresholds during at least one quarter in at least one well, therefore they should continue to be included in future testing
Nitrogen + Nitrate	
Iron	
TDS	

Monitor Well Number	Element	Reg 41 Values (mg/l)	2024				2025				
			Q1 Result (mg/l)	Q2 Results (mg/l)	Q3 Result (mg/l)	Q4 Results (mg/l)	Q1 Result (mg/l)				
4	Fluoride	2	Not Available	0.83	1	1	1				
	Chloride	250		124	174	153	154				
	Sulfate	250		179	212	201	192				
	Nitrogen, Nitrate (NO3)	10									
	Nitrogen, Nitrite (NO2)	1									
	Nitrogen + Nitrate as Nitrogen	10						8	2.6	2.7	
	Solids, Total Dissolved	X		687	808	656	639				
	Dissolved Metal Analysis										
	Aluminum	5						<0.05	<0.05	<0.05	<0.05
	Antimony	0.006						<0.0004	<0.0004	<0.0004	<0.0004
	Arsenic	0.01						0.00029	0.0006	0.00027	0.00026
	Barium	2						0.0479	0.052	0.0403	0.035
	Beryllium	0.004						<0.0002	<0.0002	<0.0002	<0.0002
	Boron	0.75						0.201	0.207	0.205	0.167
	Cadmium	0.005						<0.0001	<0.0001	<0.0001	<0.0001
	Chromium	0.1						<0.002	<0.002	<0.002	<0.002
	Cobalt	0.05						0.00027	0.00037	0.00033	<0.0002
	Copper	0.2						<0.002	<0.002	0.0023	<0.002
	Iron	0.3						<0.02	<0.02	<0.02	<0.02
	Lead	0.05						<0.0005	<0.0005	<0.0005	<0.0005
	Lithium	2.5						0.0156	0.0322	0.0119	0.0109
	Manganese	0.05						0.0083	0.0476	0.0134	0.0055
	Mercury	0.002						<0.0001	<0.0001	<0.0001	<0.0001
	Molybdenum	0.21						0.0014	0.0032	0.0018	0.0013
	Nickel	0.1						<0.002	<0.002	<0.002	<0.002
	Selenium	0.02						0.00065	0.00093	<0.0004	<0.0004
	Silver	0.05						<0.0001	<0.0001	<0.0001	<0.0001
	Thallium	0.002						<0.0002	<0.0002	<0.0002	<0.0002
	Uranium	0.03						0.0153	0.0089	0.0143	0.0123
	Vanadium	0.1						<0.001	<0.001	<0.001	<0.001
	Zinc	2						<0.01	<0.01	<0.01	0.0249

Means meets regulation

Element	Recommendation
Sulfate	These elements exceeded Reg 41 thresholds during at least one quarter in at least one well, therefore they should continue to be included in future testing
Nitrogen + Nitrate	
Iron	
TDS	

Bernhardt Pit
22036
SGS Testing

Bernhardt Pit
22036
SGS Testing
Quarter 1 2024

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

J&T Consulting

Material Sites WQ Testing

SGS Job Number: DA62542

Sampling Date: 03/01/24

Report to:

J&T Consulting Inc
305 Denver Avenue Suite D
Fort Lupton, CO 80621
jcyork@j-tconsulting.com

ATTN: JC York

Total number of pages in report: 59



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.



Eric Hoffman

Client Service contact: Kelly Blanchard 303-425-6021

Certifications: CO (CO00049), ND (R-027), UT (NELAP CO00049), LA (LA150028), TX (T104704511), WY (8TMS-L) HI (CO00049), NJ (CO011), NV (CO00049), AK (CO00049), CA (3076), and NC (08701)

This report shall not be reproduced, except in its entirety, without the written approval of SGS.
Test results relate only to samples analyzed.

Report of Analysis

Client Sample ID:	BARNHARDT SAND AND GRAVEL PIT (MW-2)	Date Sampled:	03/01/24
Lab Sample ID:	DA62542-3	Date Received:	03/01/24
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Project:	Material Sites WQ Testing		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
9056A							
Fluoride	0.80	0.20	mg/l	2	03/01/24 21:45	MB	SW846 9056A
Chloride	135	5.0	mg/l	10	03/01/24 22:28	MB	SW846 9056A
Nitrogen, Nitrite	0.11	0.040	mg/l	10	03/01/24 22:28	MB	SW846 9056A
Nitrogen, Nitrate	5.7	0.25	mg/l	25	03/02/24 17:00	MB	SW846 9056A
Sulfate	320	13	mg/l	25	03/02/24 17:00	MB	SW846 9056A
9056A NO2 + NO3O							
Nitrogen, Nitrate + Nitrite ^a	5.8	0.29	mg/l	1	03/02/24 17:00	MB	SW846 9056A
Solids, Total Dissolved	888	10	mg/l	1	03/04/24 07:00	JW	SM 2540C-2011

(a) Calculated as: (Nitrogen, Nitrate) + (Nitrogen, Nitrite)

RL = Reporting Limit

Report of Analysis

Client Sample ID: BARNHARDT SAND AND GRAVEL PIT (MW-2)**Lab Sample ID:** DA62542-3F**Matrix:** AQ - Groundwater Filtered**Date Sampled:** 03/01/24**Date Received:** 03/01/24**Percent Solids:** n/a**Project:** Material Sites WQ Testing

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	< 100	100	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Antimony	< 30	30	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Arsenic	< 25	25	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Barium	55.7	10	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Beryllium	< 10	10	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Boron	206	50	ug/l	1	03/12/24	03/19/24	CDL SW846 6010C ³	SW846 3010A ⁴
Cadmium	< 10	10	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Chromium	< 10	10	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Cobalt	< 5.0	5.0	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Copper	< 10	10	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Iron	< 70	70	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Lead	< 50	50	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Manganese	322	5.0	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Mercury	< 0.10	0.10	ug/l	1	03/13/24	03/13/24	CDL SW846 7470A ¹	SW846 7470A ⁵
Molybdenum	< 10	10	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Nickel	< 30	30	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Selenium	< 50	50	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Silver	< 30	30	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Thallium	< 10	10	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Uranium	< 50	50	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Vanadium	< 10	10	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Zinc	< 30	30	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴

(1) Instrument QC Batch: MA17745

(2) Instrument QC Batch: MA17751

(3) Instrument QC Batch: MA17763

(4) Prep QC Batch: MP39056

(5) Prep QC Batch: MP39057

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BARNHARDT SAND AND GRAVEL PIT (MW-2)	Date Sampled:	03/01/24
Lab Sample ID:	DA62542-3FC	Date Received:	03/01/24
Matrix:	AQ - Groundwater Filtered	Percent Solids:	n/a
Project:	Material Sites WQ Testing		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lithium ^a	18.9	10	ug/l	1	03/07/24	03/08/24 ALA	SW846 6010C ¹	SW846 3010A ²

(1) Instrument QC Batch: L:MA27325
(2) Prep QC Batch: L:MP27849

(a) Analysis performed at SGS Scott, LA.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BARNHARDT SAND AND GRAVEL PIT (MW-3)	Date Sampled:	03/01/24
Lab Sample ID:	DA62542-4	Date Received:	03/01/24
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Project:	Material Sites WQ Testing		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
9056A							
Fluoride	0.77	0.20	mg/l	2	03/01/24 22:42	MB	SW846 9056A
Chloride	77.6	5.0	mg/l	10	03/01/24 22:56	MB	SW846 9056A
Nitrogen, Nitrite ^a	< 0.040	0.040	mg/l	10	03/01/24 22:56	MB	SW846 9056A
Nitrogen, Nitrate	0.54	0.020	mg/l	2	03/01/24 22:42	MB	SW846 9056A
Sulfate	237	5.0	mg/l	10	03/01/24 22:56	MB	SW846 9056A
9056A NO2 + NO3O							
Nitrogen, Nitrate + Nitrite ^b	0.54	0.060	mg/l	1	03/01/24 22:56	MB	SW846 9056A
Solids, Total Dissolved	655	10	mg/l	1	03/04/24 07:00	JW	SM 2540C-2011

(a) Elevated detection limit due to matrix interference.
(b) Calculated as: (Nitrogen, Nitrate) + (Nitrogen, Nitrite)

RL = Reporting Limit

Report of Analysis

Client Sample ID: BARNHARDT SAND AND GRAVEL PIT (MW-3)**Lab Sample ID:** DA62542-4F**Matrix:** AQ - Groundwater Filtered**Date Sampled:** 03/01/24**Date Received:** 03/01/24**Percent Solids:** n/a**Project:** Material Sites WQ Testing**Dissolved Metals Analysis**

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	< 100	100	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Antimony	< 30	30	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Arsenic	< 25	25	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Barium	32.9	10	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Beryllium	< 10	10	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Boron	202	50	ug/l	1	03/12/24	03/19/24	CDL SW846 6010C ³	SW846 3010A ⁴
Cadmium	< 10	10	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Chromium	< 10	10	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Cobalt	< 5.0	5.0	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Copper	< 10	10	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Iron	< 70	70	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Lead	< 50	50	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Manganese	582	5.0	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Mercury	< 0.10	0.10	ug/l	1	03/13/24	03/13/24	CDL SW846 7470A ¹	SW846 7470A ⁵
Molybdenum	< 10	10	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Nickel	< 30	30	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Selenium	< 50	50	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Silver	< 30	30	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Thallium ^a	< 15	15	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Uranium	< 50	50	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Vanadium	< 10	10	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴
Zinc	< 30	30	ug/l	1	03/12/24	03/14/24	CDL SW846 6010C ²	SW846 3010A ⁴

(1) Instrument QC Batch: MA17745

(2) Instrument QC Batch: MA17751

(3) Instrument QC Batch: MA17763

(4) Prep QC Batch: MP39056

(5) Prep QC Batch: MP39057

(a) Elevated reporting limit due to matrix interference.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BARNHARDT SAND AND GRAVEL PIT (MW-3)	Date Sampled:	03/01/24
Lab Sample ID:	DA62542-4FC	Date Received:	03/01/24
Matrix:	AQ - Groundwater Filtered	Percent Solids:	n/a
Project:	Material Sites WQ Testing		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Lithium ^a	10.5	10	ug/l	1	03/07/24	03/08/24 ALA	SW846 6010C ¹	SW846 3010A ²

(1) Instrument QC Batch: L:MA27325
(2) Prep QC Batch: L:MP27849

(a) Analysis performed at SGS Scott, LA.

RL = Reporting Limit

Bernhardt Pit
22036
SGS Testing
Quarter 2 2024

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

Stewart Environmental

Bernardt S&G

SGS Job Number: DA65416

Sampling Dates: 06/28/24 - 07/01/24

Report to:

Stewart Environmental Consultants
3801 Automation Way Suite 200
Fort Collins, CO 80525
dave.stewart@stewartenv.com

ATTN: Dave Stewart

Total number of pages in report: 48



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.



Eric Hoffman

Client Service contact: Parna Payandeh 303-425-6021

Certifications: CO (CO00049), ND (R-027), UT (NELAP CO00049), LA (LA150028), TX (T104704511), WY (8TMS-L) HI (CO00049), NJ (CO011), NV (CO00049), AK (CO00049), CA (3076), and NC (08701)

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Test results relate only to samples analyzed.

Report of Analysis

Client Sample ID:	MW-1	Date Sampled:	06/28/24
Lab Sample ID:	DA65416-1	Date Received:	07/02/24
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Bernardt S&G		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
300.0							
Fluoride	1.0	0.20	mg/l	2	07/03/24 11:19	CS	EPA 300.0
Chloride	82.1	13	mg/l	25	07/03/24 11:30	CS	EPA 300.0
Sulfate	467	13	mg/l	25	07/03/24 11:30	CS	EPA 300.0
Nitrogen, Nitrate + Nitrite ^a	0.74	0.10	mg/l	1	07/17/24 15:31	ANJ	EPA 353.2/LACHAT
Nitrogen, Total Kjeldahl	0.56	0.20	mg/l	1	07/05/24 16:21	KH	EPA 351.2
Solids, Total Dissolved	951	10	mg/l	1	07/05/24 07:00	JW	SM 2540C-2011

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID: MW-1

Lab Sample ID: DA65416-1F

Matrix: AQ - Water Filtered

Project: Bernardt S&G

Date Sampled: 06/28/24

Date Received: 07/02/24

Percent Solids: n/a

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	< 50	50	ug/l	1	07/10/24	07/11/24	DU EPA 200.8 ²	EPA 200.8 ⁶
Antimony	< 0.40	0.40	ug/l	1	07/10/24	07/15/24	DU EPA 200.8 ³	EPA 200.8 ⁶
Arsenic	0.35	0.20	ug/l	1	07/10/24	07/11/24	DU EPA 200.8 ²	EPA 200.8 ⁶
Barium	43.9	2.0	ug/l	1	07/10/24	07/11/24	DU EPA 200.8 ²	EPA 200.8 ⁶
Beryllium	< 0.20	0.20	ug/l	1	07/10/24	07/11/24	DU EPA 200.8 ²	EPA 200.8 ⁶
Boron	204	40	ug/l	1	07/10/24	07/11/24	DU EPA 200.8 ²	EPA 200.8 ⁶
Cadmium	< 0.10	0.10	ug/l	1	07/10/24	07/11/24	DU EPA 200.8 ²	EPA 200.8 ⁶
Chromium	< 2.0	2.0	ug/l	1	07/10/24	07/11/24	DU EPA 200.8 ²	EPA 200.8 ⁶
Cobalt	1.7	0.20	ug/l	1	07/10/24	07/11/24	DU EPA 200.8 ²	EPA 200.8 ⁶
Copper	< 2.0	2.0	ug/l	1	07/10/24	07/11/24	DU EPA 200.8 ²	EPA 200.8 ⁶
Iron	< 20	20	ug/l	1	07/10/24	07/15/24	DU EPA 200.8 ³	EPA 200.8 ⁶
Lead	< 0.50	0.50	ug/l	1	07/10/24	07/11/24	DU EPA 200.8 ²	EPA 200.8 ⁶
Lithium	12.3	10	ug/l	1	07/10/24	07/16/24	CDL EPA 200.7 ⁴	EPA 200.7 ⁷
Manganese	856	1.0	ug/l	1	07/10/24	07/11/24	DU EPA 200.8 ²	EPA 200.8 ⁶
Mercury	< 0.10	0.10	ug/l	1	07/09/24	07/09/24	KM EPA 245.1 ¹	EPA 245.1 ⁵
Molybdenum	6.8	1.0	ug/l	1	07/10/24	07/11/24	DU EPA 200.8 ²	EPA 200.8 ⁶
Nickel	2.8	2.0	ug/l	1	07/10/24	07/11/24	DU EPA 200.8 ²	EPA 200.8 ⁶
Selenium	3.5	0.40	ug/l	1	07/10/24	07/11/24	DU EPA 200.8 ²	EPA 200.8 ⁶
Silver	< 0.10	0.10	ug/l	1	07/10/24	07/11/24	DU EPA 200.8 ²	EPA 200.8 ⁶
Thallium	< 0.20	0.20	ug/l	1	07/10/24	07/11/24	DU EPA 200.8 ²	EPA 200.8 ⁶
Uranium	32.3	0.20	ug/l	1	07/10/24	07/11/24	DU EPA 200.8 ²	EPA 200.8 ⁶
Vanadium	< 1.0	1.0	ug/l	1	07/10/24	07/11/24	DU EPA 200.8 ²	EPA 200.8 ⁶
Zinc	< 10	10	ug/l	1	07/10/24	07/11/24	DU EPA 200.8 ²	EPA 200.8 ⁶

(1) Instrument QC Batch: MA18171

(2) Instrument QC Batch: MA18196

(3) Instrument QC Batch: MA18197

(4) Instrument QC Batch: MA18208

(5) Prep QC Batch: MP39684

(6) Prep QC Batch: MP39699

(7) Prep QC Batch: MP39746

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-2	Date Sampled:	07/01/24
Lab Sample ID:	DA65416-2	Date Received:	07/02/24
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Bernardt S&G		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
300.0							
Fluoride	0.94	0.20	mg/l	2	07/03/24 10:55	CS	EPA 300.0
Chloride	136	13	mg/l	25	07/03/24 11:03	CS	EPA 300.0
Sulfate	274	13	mg/l	25	07/03/24 11:03	CS	EPA 300.0
Nitrogen, Nitrate + Nitrite ^a	2.0	0.10	mg/l	1	07/17/24 15:33	ANJ	EPA 353.2/LACHAT
Nitrogen, Total Kjeldahl	< 0.20	0.20	mg/l	1	07/05/24 16:21	KH	EPA 351.2
Solids, Total Dissolved	825	10	mg/l	1	07/05/24 07:00	JW	SM 2540C-2011

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-2	Date Sampled:	07/01/24
Lab Sample ID:	DA65416-2F	Date Received:	07/02/24
Matrix:	AQ - Water Filtered	Percent Solids:	n/a
Project:	Bernardt S&G		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method	
Aluminum ^a	< 250	250	ug/l	5	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Antimony	< 0.40	0.40	ug/l	1	07/10/24	07/15/24	DU	EPA 200.8 ³	EPA 200.8 ⁶
Arsenic	0.37	0.20	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Barium	45.4	2.0	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Beryllium	< 0.20	0.20	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Boron	215	40	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Cadmium	< 0.10	0.10	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Chromium ^a	< 10	10	ug/l	5	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Cobalt	2.0	0.20	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Copper	< 2.0	2.0	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Iron	< 20	20	ug/l	1	07/10/24	07/15/24	DU	EPA 200.8 ³	EPA 200.8 ⁶
Lead	< 0.50	0.50	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Lithium	21.1	10	ug/l	1	07/10/24	07/16/24	CDL	EPA 200.7 ⁴	EPA 200.7 ⁷
Manganese	451	1.0	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Mercury	< 0.10	0.10	ug/l	1	07/09/24	07/09/24	KM	EPA 245.1 ¹	EPA 245.1 ⁵
Molybdenum	5.1	1.0	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Nickel	3.3	2.0	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Selenium	2.4	0.40	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Silver	< 0.10	0.10	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Thallium	< 0.20	0.20	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Uranium	25.8	0.20	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Vanadium ^a	< 5.0	5.0	ug/l	5	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶
Zinc	< 10	10	ug/l	1	07/10/24	07/11/24	DU	EPA 200.8 ²	EPA 200.8 ⁶

(1) Instrument QC Batch: MA18171

(2) Instrument QC Batch: MA18196

(3) Instrument QC Batch: MA18197

(4) Instrument QC Batch: MA18208

(5) Prep QC Batch: MP39684

(6) Prep QC Batch: MP39699

(7) Prep QC Batch: MP39746

(a) Elevated reporting limit(s) due to matrix interference.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-3	Date Sampled:	06/28/24
Lab Sample ID:	DA65416-3	Date Received:	07/02/24
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Bernardt S&G		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
300.0							
Fluoride	0.82	0.20	mg/l	2	07/03/24 11:39	CS	EPA 300.0
Chloride	75.1	13	mg/l	25	07/03/24 12:05	CS	EPA 300.0
Sulfate	258	13	mg/l	25	07/03/24 12:05	CS	EPA 300.0
Nitrogen, Nitrate + Nitrite ^a	0.56	0.10	mg/l	1	07/17/24 15:34	ANJ	EPA 353.2/LACHAT
Nitrogen, Total Kjeldahl	< 0.40	0.40	mg/l	2	07/05/24 16:22	KH	EPA 351.2
Solids, Total Dissolved	657	10	mg/l	1	07/05/24 07:00	JW	SM 2540C-2011

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID: MW-3

Lab Sample ID: DA65416-3F

Matrix: AQ - Water Filtered

Project: Bernardt S&G

Date Sampled: 06/28/24

Date Received: 07/02/24

Percent Solids: n/a

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	< 50	50	ug/l	1	07/10/24	07/11/24	DU EPA 200.8 ²	EPA 200.8 ⁶
Antimony	< 0.40	0.40	ug/l	1	07/10/24	07/15/24	DU EPA 200.8 ³	EPA 200.8 ⁶
Arsenic	0.20	0.20	ug/l	1	07/10/24	07/11/24	DU EPA 200.8 ²	EPA 200.8 ⁶
Barium	28.7	2.0	ug/l	1	07/10/24	07/11/24	DU EPA 200.8 ²	EPA 200.8 ⁶
Beryllium	< 0.20	0.20	ug/l	1	07/10/24	07/11/24	DU EPA 200.8 ²	EPA 200.8 ⁶
Boron	211	40	ug/l	1	07/10/24	07/11/24	DU EPA 200.8 ²	EPA 200.8 ⁶
Cadmium	< 0.10	0.10	ug/l	1	07/10/24	07/11/24	DU EPA 200.8 ²	EPA 200.8 ⁶
Chromium	< 2.0	2.0	ug/l	1	07/10/24	07/11/24	DU EPA 200.8 ²	EPA 200.8 ⁶
Cobalt	3.5	0.20	ug/l	1	07/10/24	07/11/24	DU EPA 200.8 ²	EPA 200.8 ⁶
Copper	< 2.0	2.0	ug/l	1	07/10/24	07/11/24	DU EPA 200.8 ²	EPA 200.8 ⁶
Iron	< 20	20	ug/l	1	07/10/24	07/15/24	DU EPA 200.8 ³	EPA 200.8 ⁶
Lead	< 0.50	0.50	ug/l	1	07/10/24	07/11/24	DU EPA 200.8 ²	EPA 200.8 ⁶
Lithium	10.5	10	ug/l	1	07/10/24	07/16/24	CDL EPA 200.7 ⁴	EPA 200.7 ⁷
Manganese	890	1.0	ug/l	1	07/10/24	07/11/24	DU EPA 200.8 ²	EPA 200.8 ⁶
Mercury	< 0.10	0.10	ug/l	1	07/09/24	07/09/24	KM EPA 245.1 ¹	EPA 245.1 ⁵
Molybdenum	7.9	1.0	ug/l	1	07/10/24	07/11/24	DU EPA 200.8 ²	EPA 200.8 ⁶
Nickel	3.7	2.0	ug/l	1	07/10/24	07/11/24	DU EPA 200.8 ²	EPA 200.8 ⁶
Selenium	1.1	0.40	ug/l	1	07/10/24	07/11/24	DU EPA 200.8 ²	EPA 200.8 ⁶
Silver	< 0.10	0.10	ug/l	1	07/10/24	07/11/24	DU EPA 200.8 ²	EPA 200.8 ⁶
Thallium	< 0.20	0.20	ug/l	1	07/10/24	07/11/24	DU EPA 200.8 ²	EPA 200.8 ⁶
Uranium	29.0	0.20	ug/l	1	07/10/24	07/11/24	DU EPA 200.8 ²	EPA 200.8 ⁶
Vanadium	< 1.0	1.0	ug/l	1	07/10/24	07/11/24	DU EPA 200.8 ²	EPA 200.8 ⁶
Zinc	< 10	10	ug/l	1	07/10/24	07/11/24	DU EPA 200.8 ²	EPA 200.8 ⁶

(1) Instrument QC Batch: MA18171

(2) Instrument QC Batch: MA18196

(3) Instrument QC Batch: MA18197

(4) Instrument QC Batch: MA18208

(5) Prep QC Batch: MP39684

(6) Prep QC Batch: MP39699

(7) Prep QC Batch: MP39746

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-4	Date Sampled:	07/01/24
Lab Sample ID:	DA65416-4	Date Received:	07/02/24
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Bernardt S&G		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
300.0							
Fluoride	0.76	0.20	mg/l	2	07/03/24 10:37	CS	EPA 300.0
Chloride	151	13	mg/l	25	07/03/24 10:46	CS	EPA 300.0
Sulfate	233	13	mg/l	25	07/03/24 10:46	CS	EPA 300.0
Nitrogen, Nitrate + Nitrite ^a	1.7	0.10	mg/l	1	07/17/24 15:37	ANJ	EPA 353.2/LACHAT
Nitrogen, Total Kjeldahl	0.34	0.20	mg/l	1	07/05/24 16:22	KH	EPA 351.2
Solids, Total Dissolved	772	10	mg/l	1	07/05/24 07:00	JW	SM 2540C-2011

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID: MW-4
Lab Sample ID: DA65416-4F
Matrix: AQ - Water Filtered
Project: Bernardt S&G

Date Sampled: 07/01/24
Date Received: 07/02/24
Percent Solids: n/a

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	< 50	50	ug/l	1	07/10/24	07/11/24	DU EPA 200.8 ²	EPA 200.8 ⁶
Antimony	0.51	0.40	ug/l	1	07/10/24	07/15/24	DU EPA 200.8 ³	EPA 200.8 ⁶
Arsenic	1.3	0.20	ug/l	1	07/10/24	07/11/24	DU EPA 200.8 ²	EPA 200.8 ⁶
Barium	46.8	2.0	ug/l	1	07/10/24	07/11/24	DU EPA 200.8 ²	EPA 200.8 ⁶
Beryllium	< 0.20	0.20	ug/l	1	07/10/24	07/11/24	DU EPA 200.8 ²	EPA 200.8 ⁶
Boron	212	40	ug/l	1	07/10/24	07/11/24	DU EPA 200.8 ²	EPA 200.8 ⁶
Cadmium	0.11	0.10	ug/l	1	07/10/24	07/11/24	DU EPA 200.8 ²	EPA 200.8 ⁶
Chromium	< 2.0	2.0	ug/l	1	07/10/24	07/11/24	DU EPA 200.8 ²	EPA 200.8 ⁶
Cobalt	2.1	0.20	ug/l	1	07/10/24	07/11/24	DU EPA 200.8 ²	EPA 200.8 ⁶
Copper	2.9	2.0	ug/l	1	07/10/24	07/11/24	DU EPA 200.8 ²	EPA 200.8 ⁶
Iron	26.6	20	ug/l	1	07/10/24	07/15/24	DU EPA 200.8 ³	EPA 200.8 ⁶
Lead	< 0.50	0.50	ug/l	1	07/10/24	07/11/24	DU EPA 200.8 ²	EPA 200.8 ⁶
Lithium	27.0	10	ug/l	1	07/10/24	07/16/24	CDL EPA 200.7 ⁴	EPA 200.7 ⁷
Manganese	296	1.0	ug/l	1	07/10/24	07/11/24	DU EPA 200.8 ²	EPA 200.8 ⁶
Mercury	< 0.10	0.10	ug/l	1	07/09/24	07/09/24	KM EPA 245.1 ¹	EPA 245.1 ⁵
Molybdenum	5.1	1.0	ug/l	1	07/10/24	07/11/24	DU EPA 200.8 ²	EPA 200.8 ⁶
Nickel	2.6	2.0	ug/l	1	07/10/24	07/11/24	DU EPA 200.8 ²	EPA 200.8 ⁶
Selenium	2.1	0.40	ug/l	1	07/10/24	07/11/24	DU EPA 200.8 ²	EPA 200.8 ⁶
Silver	< 0.10	0.10	ug/l	1	07/10/24	07/11/24	DU EPA 200.8 ²	EPA 200.8 ⁶
Thallium	< 0.20	0.20	ug/l	1	07/10/24	07/11/24	DU EPA 200.8 ²	EPA 200.8 ⁶
Uranium	14.3	0.20	ug/l	1	07/10/24	07/11/24	DU EPA 200.8 ²	EPA 200.8 ⁶
Vanadium	< 1.0	1.0	ug/l	1	07/10/24	07/11/24	DU EPA 200.8 ²	EPA 200.8 ⁶
Zinc	< 10	10	ug/l	1	07/10/24	07/11/24	DU EPA 200.8 ²	EPA 200.8 ⁶

(1) Instrument QC Batch: MA18171

(2) Instrument QC Batch: MA18196

(3) Instrument QC Batch: MA18197

(4) Instrument QC Batch: MA18208

(5) Prep QC Batch: MP39684

(6) Prep QC Batch: MP39699

(7) Prep QC Batch: MP39746

RL = Reporting Limit

Bernhardt Pit
22036
SGS Testing
Quarter 3 2024

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

Stewart Environmental

Bernardt S&G

SGS Job Number: DA68005

Sampling Date: 10/09/24

Report to:

Stewart Environmental Consultants
3801 Automation Way Suite 200
Fort Collins, CO 80525
dave.stewart@stewartenv.com; jcyork@j-tconsulting.com
ATTN: Dave Stewart

Total number of pages in report: 51



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.



Eric Hoffman

Client Service contact: Parna Payandeh 303-425-6021

Certifications: CO (CO00049), ND (R-027), UT (NELAP CO00049), LA (LA150028), TX (T104704511), WY (8TMS-L) HI (CO00049), NJ (CO011), NV (CO00049), AK (CO00049), CA (3076), and NC (08701)

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Test results relate only to samples analyzed.

Report of Analysis

Client Sample ID: MW-1
Lab Sample ID: DA68005-1
Matrix: AQ - Water
Project: Bernardt S&G

Date Sampled: 10/09/24
Date Received: 10/11/24
Percent Solids: n/a

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
300.0							
Fluoride	1.0	0.20	mg/l	2	10/14/24 13:35	CS	EPA 300.0
Chloride	85.7	13	mg/l	25	10/14/24 15:18	CS	EPA 300.0
Sulfate	491	13	mg/l	25	10/14/24 15:18	CS	EPA 300.0
Nitrogen, Nitrate + Nitrite ^a	0.97	0.10	mg/l	1	10/21/24 19:11	ANJ	EPA 353.2/LACHAT
Solids, Total Dissolved	976	10	mg/l	1	10/16/24 07:00	JW	SM 2540C-2011

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID: MW-1

Lab Sample ID: DA68005-1F

Matrix: AQ - Water Filtered

Project: Bernardt S&G

Date Sampled: 10/09/24

Date Received: 10/11/24

Percent Solids: n/a

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	163	50	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Antimony	< 0.40	0.40	ug/l	1	10/18/24	10/25/24	CDL EPA 200.8 ³	EPA 200.8 ⁶
Arsenic	0.27	0.20	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Barium	27.9	2.0	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Beryllium	< 0.20	0.20	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Boron	208	40	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Cadmium	< 0.10	0.10	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Chromium	< 2.0	2.0	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Cobalt	1.5	0.20	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Copper	< 2.0	2.0	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Iron	191	20	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Lead	< 0.50	0.50	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Lithium	21.5	5.0	ug/l	1	10/18/24	10/24/24	CDL EPA 200.7 ⁴	EPA 200.7 ⁷
Manganese	785	1.0	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Mercury	< 0.10	0.10	ug/l	1	10/21/24	10/22/24	CDL EPA 245.1 ¹	EPA 245.1 ⁵
Molybdenum	7.1	1.0	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Nickel	< 2.0	2.0	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Selenium	5.1	0.40	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Silver	< 0.10	0.10	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Thallium	< 0.20	0.20	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Uranium	31.0	0.20	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Vanadium	< 1.0	1.0	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Zinc	< 10	10	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶

(1) Instrument QC Batch: MA18546

(2) Instrument QC Batch: MA18547

(3) Instrument QC Batch: MA18553

(4) Instrument QC Batch: MA18582

(5) Prep QC Batch: MP40278

(6) Prep QC Batch: MP40286

(7) Prep QC Batch: MP40316

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-2	Date Sampled:	10/09/24
Lab Sample ID:	DA68005-2	Date Received:	10/11/24
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Bernardt S&G		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
300.0							
Fluoride ^a	< 2.5	2.5	mg/l	25	10/14/24 15:27	CS	EPA 300.0
Chloride	128	13	mg/l	25	10/14/24 15:27	CS	EPA 300.0
Sulfate	275	13	mg/l	25	10/14/24 15:27	CS	EPA 300.0
Nitrogen, Nitrate + Nitrite ^b	1.9	0.10	mg/l	1	10/21/24 19:13	ANJ	EPA 353.2/LACHAT
Solids, Total Dissolved	373	10	mg/l	1	10/16/24 07:00	JW	SM 2540C-2011

(a) Elevated detection limit due to matrix interference.
(b) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID: MW-2
Lab Sample ID: DA68005-2F
Matrix: AQ - Water Filtered
Project: Bernardt S&G

Date Sampled: 10/09/24
Date Received: 10/11/24
Percent Solids: n/a

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analized By	Method	Prep Method
Aluminum	< 50	50	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Antimony	< 0.40	0.40	ug/l	1	10/18/24	10/25/24	CDL EPA 200.8 ³	EPA 200.8 ⁶
Arsenic	0.28	0.20	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Barium	46.3	2.0	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Beryllium	< 0.20	0.20	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Boron	227	40	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Cadmium	< 0.10	0.10	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Chromium	< 2.0	2.0	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Cobalt	1.9	0.20	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Copper	< 2.0	2.0	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Iron	30.4	20	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Lead	< 0.50	0.50	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Lithium	29.8	5.0	ug/l	1	10/18/24	10/24/24	CDL EPA 200.7 ⁴	EPA 200.7 ⁷
Manganese	444	1.0	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Mercury	< 0.10	0.10	ug/l	1	10/21/24	10/22/24	CDL EPA 245.1 ¹	EPA 245.1 ⁵
Molybdenum	5.6	1.0	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Nickel	3.0	2.0	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Selenium	1.9	0.40	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Silver	< 0.10	0.10	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Thallium	< 0.20	0.20	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Uranium	23.1	0.20	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Vanadium	< 1.0	1.0	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Zinc	< 10	10	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶

(1) Instrument QC Batch: MA18546

(2) Instrument QC Batch: MA18547

(3) Instrument QC Batch: MA18553

(4) Instrument QC Batch: MA18582

(5) Prep QC Batch: MP40278

(6) Prep QC Batch: MP40286

(7) Prep QC Batch: MP40316

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-3	Date Sampled:	10/09/24
Lab Sample ID:	DA68005-3	Date Received:	10/11/24
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Bernardt S&G		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
300.0							
Fluoride	0.72	0.20	mg/l	2	10/14/24 13:52	CS	EPA 300.0
Chloride	78.3	13	mg/l	25	10/14/24 15:35	CS	EPA 300.0
Sulfate	286	13	mg/l	25	10/14/24 15:35	CS	EPA 300.0
Nitrogen, Nitrate + Nitrite ^a	0.41	0.10	mg/l	1	10/21/24 19:14	ANJ	EPA 353.2/LACHAT
Solids, Total Dissolved	448	10	mg/l	1	10/16/24 07:00	JW	SM 2540C-2011

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID: MW-3

Lab Sample ID: DA68005-3F

Matrix: AQ - Water Filtered

Project: Bernardt S&G

Date Sampled: 10/09/24

Date Received: 10/11/24

Percent Solids: n/a

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	200	50	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Antimony	< 0.40	0.40	ug/l	1	10/18/24	10/25/24	CDL EPA 200.8 ³	EPA 200.8 ⁶
Arsenic	0.26	0.20	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Barium	26.2	2.0	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Beryllium	< 0.20	0.20	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Boron	203	40	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Cadmium	< 0.10	0.10	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Chromium	< 2.0	2.0	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Cobalt	3.3	0.20	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Copper	< 2.0	2.0	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Iron	207	20	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Lead	< 0.50	0.50	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Lithium	21.6	5.0	ug/l	1	10/18/24	10/24/24	CDL EPA 200.7 ⁴	EPA 200.7 ⁷
Manganese	723	1.0	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Mercury	< 0.10	0.10	ug/l	1	10/21/24	10/22/24	CDL EPA 245.1 ¹	EPA 245.1 ⁵
Molybdenum	7.9	1.0	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Nickel	3.2	2.0	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Selenium	2.6	0.40	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Silver	< 0.10	0.10	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Thallium	< 0.20	0.20	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Uranium	29.2	0.20	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Vanadium	< 1.0	1.0	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Zinc	< 10	10	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶

(1) Instrument QC Batch: MA18546

(2) Instrument QC Batch: MA18547

(3) Instrument QC Batch: MA18553

(4) Instrument QC Batch: MA18582

(5) Prep QC Batch: MP40278

(6) Prep QC Batch: MP40286

(7) Prep QC Batch: MP40316

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-4	Date Sampled:	10/09/24
Lab Sample ID:	DA68005-4	Date Received:	10/11/24
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Bernardt S&G		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
300.0							
Fluoride	0.87	0.10	mg/l	1	10/14/24 14:18	CS	EPA 300.0
Chloride	119	5.0	mg/l	10	10/14/24 16:53	CS	EPA 300.0
Sulfate	205	5.0	mg/l	10	10/14/24 16:53	CS	EPA 300.0
Nitrogen, Nitrate + Nitrite ^a	1.9	0.10	mg/l	1	10/21/24 19:17	ANJ	EPA 353.2/LACHAT
Solids, Total Dissolved	341	10	mg/l	1	10/16/24 07:00	JW	SM 2540C-2011

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-4	Date Sampled:	10/09/24
Lab Sample ID:	DA68005-4F	Date Received:	10/11/24
Matrix:	AQ - Water Filtered	Percent Solids:	n/a
Project:	Bernardt S&G		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	< 50	50	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Antimony	0.65	0.40	ug/l	1	10/18/24	10/25/24	CDL EPA 200.8 ³	EPA 200.8 ⁶
Arsenic	1.3	0.20	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Barium	40.9	2.0	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Beryllium	< 0.20	0.20	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Boron	215	40	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Cadmium	< 0.10	0.10	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Chromium	< 2.0	2.0	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Cobalt	1.6	0.20	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Copper	2.2	2.0	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Iron	44.1	20	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Lead	< 0.50	0.50	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Lithium	33.9	5.0	ug/l	1	10/18/24	10/24/24	CDL EPA 200.7 ⁴	EPA 200.7 ⁷
Manganese	204	1.0	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Mercury	< 0.10	0.10	ug/l	1	10/21/24	10/22/24	CDL EPA 245.1 ¹	EPA 245.1 ⁵
Molybdenum	6.9	1.0	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Nickel	2.2	2.0	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Selenium	1.4	0.40	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Silver	< 0.10	0.10	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Thallium	< 0.20	0.20	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Uranium	10.7	0.20	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Vanadium	1.1	1.0	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶
Zinc	< 10	10	ug/l	1	10/18/24	10/22/24	CDL EPA 200.8 ²	EPA 200.8 ⁶

(1) Instrument QC Batch: MA18546

(2) Instrument QC Batch: MA18547

(3) Instrument QC Batch: MA18553

(4) Instrument QC Batch: MA18582

(5) Prep QC Batch: MP40278

(6) Prep QC Batch: MP40286

(7) Prep QC Batch: MP40316

RL = Reporting Limit

Bernhardt Pit
22036
SGS Testing
Quarter 4 2024

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

Stewart Environmental

Bernardt S&G

SGS Job Number: DA70094

Sampling Date: 01/22/25

Report to:

Stewart Environmental Consultants
3801 Automation Way Suite 200
Fort Collins, CO 80525
dave.stewart@stewartenv.com; jcyork@j-tconsulting.com
ATTN: Dave Stewart

Total number of pages in report: 46



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.



Eric Hoffman

Client Service contact: Parna Payandeh 303-425-6021

Certifications: CO (CO00049), ND (R-027), UT (NELAP CO00049), LA (LA150028), TX (T104704511), WY (8TMS-L) HI (CO00049), NJ (CO011), NV (CO00049), AK (CO00049), CA (3076), and NC (08701)

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Test results relate only to samples analyzed.

Report of Analysis

Client Sample ID:	MW-1	Date Sampled:	01/22/25
Lab Sample ID:	DA70094-1	Date Received:	01/24/25
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Bernardt S&G		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
300.0							
Fluoride	1.2	0.50	mg/l	5	01/28/25 10:49	AM	EPA 300.0
Chloride	87.4	2.5	mg/l	5	01/28/25 10:49	AM	EPA 300.0
Sulfate	496	13	mg/l	25	01/28/25 13:06	AM	EPA 300.0
Nitrogen, Nitrate + Nitrite ^a	0.58	0.10	mg/l	1	01/30/25 16:36	ANJ	EPA 353.2/LACHAT
Nitrogen, Total Kjeldahl	0.26	0.20	mg/l	1	02/14/25 13:43	TH	EPA 351.2
Solids, Total Dissolved	991	10	mg/l	1	01/28/25 07:00	JW	SM 2540C-2011

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID: MW-1

Lab Sample ID: DA70094-1F

Matrix: AQ - Water Filtered

Project: Bernardt S&G

Date Sampled: 01/22/25

Date Received: 01/24/25

Percent Solids: n/a

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	< 50	50	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Antimony ^a	0.42	0.40	ug/l	1	01/28/25	02/06/25	CDL EPA 200.8 ³	EPA 200.8 ⁶
Arsenic	0.27	0.20	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Barium	27.2	2.0	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Beryllium	< 0.20	0.20	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Boron	205	40	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Cadmium	< 0.10	0.10	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Chromium	< 2.0	2.0	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Cobalt	1.7	0.20	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Copper	< 2.0	2.0	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Iron	< 20	20	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Lead	< 0.50	0.50	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Lithium	7.5	10	ug/l	1	01/28/25	02/10/25	CDL EPA 200.7 ⁴	EPA 200.7 ⁷
Manganese	781	1.0	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Mercury	< 0.10	0.10	ug/l	1	01/28/25	01/29/25	CDL EPA 245.1 ¹	EPA 245.1 ⁵
Molybdenum	8.4	1.0	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Nickel	2.6	2.0	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Selenium	5.1	0.40	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Silver	< 0.10	0.10	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Thallium	< 0.20	0.20	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Uranium	31.9	0.20	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Vanadium	< 1.0	1.0	ug/l	1	01/28/25	02/06/25	CDL EPA 200.8 ³	EPA 200.8 ⁶
Zinc	< 10	10	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶

(1) Instrument QC Batch: MA18787

(2) Instrument QC Batch: MA18795

(3) Instrument QC Batch: MA18812

(4) Instrument QC Batch: MA18816

(5) Prep QC Batch: MP40695

(6) Prep QC Batch: MP40702

(7) Prep QC Batch: MP40756

(a) Associated blank spike biased high.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-2	Date Sampled:	01/22/25
Lab Sample ID:	DA70094-2	Date Received:	01/24/25
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Bernardt S&G		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
300.0							
Fluoride	1.1	0.50	mg/l	5	01/28/25 10:58	AM	EPA 300.0
Chloride	128	13	mg/l	25	01/28/25 13:14	AM	EPA 300.0
Sulfate	284	13	mg/l	25	01/28/25 13:14	AM	EPA 300.0
Nitrogen, Nitrate + Nitrite ^a	0.68	0.10	mg/l	1	01/30/25 16:38	ANJ	EPA 353.2/LACHAT
Nitrogen, Total Kjeldahl	0.63	0.20	mg/l	1	02/14/25 13:44	TH	EPA 351.2
Solids, Total Dissolved	767	10	mg/l	1	01/28/25 07:00	JW	SM 2540C-2011

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID: MW-2
Lab Sample ID: DA70094-2F
Matrix: AQ - Water Filtered
Project: Bernardt S&G

Date Sampled: 01/22/25
Date Received: 01/24/25
Percent Solids: n/a

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	< 50	50	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Antimony	< 0.40	0.40	ug/l	1	01/28/25	02/06/25	CDL EPA 200.8 ³	EPA 200.8 ⁶
Arsenic	0.40	0.20	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Barium	36.9	2.0	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Beryllium	< 0.20	0.20	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Boron	222	40	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Cadmium	< 0.10	0.10	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Chromium	< 2.0	2.0	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Cobalt	1.8	0.20	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Copper	< 2.0	2.0	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Iron	< 20	20	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Lead	< 0.50	0.50	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Lithium	14.5	10	ug/l	1	01/28/25	02/10/25	CDL EPA 200.7 ⁴	EPA 200.7 ⁷
Manganese	358	1.0	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Mercury	< 0.10	0.10	ug/l	1	01/28/25	01/29/25	CDL EPA 245.1 ¹	EPA 245.1 ⁵
Molybdenum	6.9	1.0	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Nickel	3.5	2.0	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Selenium	0.55	0.40	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Silver	< 0.10	0.10	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Thallium	< 0.20	0.20	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Uranium	25.4	0.20	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Vanadium	< 1.0	1.0	ug/l	1	01/28/25	02/06/25	CDL EPA 200.8 ³	EPA 200.8 ⁶
Zinc	< 10	10	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶

(1) Instrument QC Batch: MA18787

(2) Instrument QC Batch: MA18795

(3) Instrument QC Batch: MA18812

(4) Instrument QC Batch: MA18816

(5) Prep QC Batch: MP40695

(6) Prep QC Batch: MP40702

(7) Prep QC Batch: MP40756

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-3	Date Sampled:	01/22/25
Lab Sample ID:	DA70094-3	Date Received:	01/24/25
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Bernardt S&G		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
300.0							
Fluoride	1.3	0.50	mg/l	5	01/28/25 11:06	AM	EPA 300.0
Chloride	164	13	mg/l	25	01/28/25 13:40	AM	EPA 300.0
Sulfate	202	13	mg/l	25	01/28/25 13:40	AM	EPA 300.0
Nitrogen, Nitrate + Nitrite ^a	0.43	0.10	mg/l	1	01/30/25 16:41	ANJ	EPA 353.2/LACHAT
Nitrogen, Total Kjeldahl	0.30	0.20	mg/l	1	02/14/25 13:44	TH	EPA 351.2
Solids, Total Dissolved	674	10	mg/l	1	01/28/25 07:00	JW	SM 2540C-2011

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID: MW-3

Lab Sample ID: DA70094-3F

Matrix: AQ - Water Filtered

Project: Bernardt S&G

Date Sampled: 01/22/25

Date Received: 01/24/25

Percent Solids: n/a

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	< 50	50	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Antimony	< 0.40	0.40	ug/l	1	01/28/25	02/06/25	CDL EPA 200.8 ³	EPA 200.8 ⁶
Arsenic	0.20	0.20	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Barium	21.8	2.0	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Beryllium	< 0.20	0.20	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Boron	200	40	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Cadmium	< 0.10	0.10	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Chromium	< 2.0	2.0	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Cobalt	3.1	0.20	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Copper	< 2.0	2.0	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Iron	< 20	20	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Lead	< 0.50	0.50	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Lithium	6.3	10	ug/l	1	01/28/25	02/10/25	CDL EPA 200.7 ⁴	EPA 200.7 ⁷
Manganese	786	1.0	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Mercury	< 0.10	0.10	ug/l	1	01/28/25	01/29/25	CDL EPA 245.1 ¹	EPA 245.1 ⁵
Molybdenum	8.3	1.0	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Nickel	3.2	2.0	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Selenium	1.6	0.40	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Silver	< 0.10	0.10	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Thallium	< 0.20	0.20	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Uranium	29.8	0.20	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Vanadium	< 1.0	1.0	ug/l	1	01/28/25	02/06/25	CDL EPA 200.8 ³	EPA 200.8 ⁶
Zinc	< 10	10	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶

(1) Instrument QC Batch: MA18787

(2) Instrument QC Batch: MA18795

(3) Instrument QC Batch: MA18812

(4) Instrument QC Batch: MA18816

(5) Prep QC Batch: MP40695

(6) Prep QC Batch: MP40702

(7) Prep QC Batch: MP40756

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-4	Date Sampled:	01/22/25
Lab Sample ID:	DA70094-4	Date Received:	01/24/25
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Bernardt S&G		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
300.0							
Fluoride	0.95	0.50	mg/l	5	01/28/25 11:15	AM	EPA 300.0
Chloride	108	13	mg/l	25	01/28/25 13:49	AM	EPA 300.0
Sulfate	225	13	mg/l	25	01/28/25 13:49	AM	EPA 300.0
Nitrogen, Nitrate + Nitrite ^a	1.0	0.10	mg/l	1	01/30/25 16:44	ANJ	EPA 353.2/LACHAT
Nitrogen, Total Kjeldahl	0.21	0.20	mg/l	1	02/14/25 13:45	TH	EPA 351.2
Solids, Total Dissolved	634	10	mg/l	1	01/28/25 07:00	JW	SM 2540C-2011

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID: MW-4
Lab Sample ID: DA70094-4F
Matrix: AQ - Water Filtered
Project: Bernardt S&G

Date Sampled: 01/22/25
Date Received: 01/24/25
Percent Solids: n/a

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	< 50	50	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Antimony ^a	0.63	0.40	ug/l	1	01/28/25	02/06/25	CDL EPA 200.8 ³	EPA 200.8 ⁶
Arsenic	1.1	0.20	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Barium	44.3	2.0	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Beryllium	< 0.20	0.20	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Boron	176	40	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Cadmium	< 0.10	0.10	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Chromium	< 2.0	2.0	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Cobalt	1.3	0.20	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Copper	< 2.0	2.0	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Iron	< 20	20	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Lead	< 0.50	0.50	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Lithium	21.1	10	ug/l	1	01/28/25	02/10/25	CDL EPA 200.7 ⁴	EPA 200.7 ⁷
Manganese	247	1.0	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Mercury	< 0.10	0.10	ug/l	1	01/28/25	01/29/25	CDL EPA 245.1 ¹	EPA 245.1 ⁵
Molybdenum	5.9	1.0	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Nickel	2.1	2.0	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Selenium	1.7	0.40	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Silver	< 0.10	0.10	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Thallium	< 0.20	0.20	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Uranium	13.4	0.20	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶
Vanadium	< 1.0	1.0	ug/l	1	01/28/25	02/06/25	CDL EPA 200.8 ³	EPA 200.8 ⁶
Zinc	< 10	10	ug/l	1	01/28/25	02/01/25	CDL EPA 200.8 ²	EPA 200.8 ⁶

(1) Instrument QC Batch: MA18787

(2) Instrument QC Batch: MA18795

(3) Instrument QC Batch: MA18812

(4) Instrument QC Batch: MA18816

(5) Prep QC Batch: MP40695

(6) Prep QC Batch: MP40702

(7) Prep QC Batch: MP40756

(a) Associated blank spike biased high.

RL = Reporting Limit

Bernhardt Pit
22036
SGS Testing
Quarter 1 2025

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

Stewart Environmental

Sweet Valley Property

SGS Job Number: DA72268

Sampling Date: 05/09/25

Report to:

Stewart Environmental Consultants
3801 Automation Way Suite 200
Fort Collins, CO 80525
dave.stewart@stewartenv.com; jcyork@j-tconsulting.com
ATTN: Dave Stewart

Total number of pages in report: 74



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable unless noted in the narrative, comments or footnotes.



Eric Hoffman

Client Service contact: Parna Payandeh 303-425-6021

Certifications: CO (CO00049), ND (R-027), UT (NELAP CO00049), LA (LA150028), TX (T104704511), WY (8TMS-L) HI (CO00049), NJ (CO011), NV (CO00049), AK (CO00049), CA (3076), and NC (08701)

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Test results relate only to samples analyzed.

Report of Analysis

Client Sample ID:	BERNHART MW-1	Date Sampled:	05/09/25
Lab Sample ID:	DA72268-1	Date Received:	05/09/25
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Sweet Valley Property		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
300.0							
Fluoride	0.98	0.20	mg/l	2	05/14/25 01:41	AM	EPA 300.0
Chloride	98.9	13	mg/l	25	05/14/25 01:32	AM	EPA 300.0
Sulfate	545	13	mg/l	25	05/14/25 01:32	AM	EPA 300.0
Nitrogen, Nitrate + Nitrite ^a	0.41	0.10	mg/l	1	05/22/25 18:45	ANJ	EPA 353.2/LACHAT
Solids, Total Dissolved	940	10	mg/l	1	05/12/25 07:00	JW	SM 2540C-2011

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID: BERNHART MW-1
Lab Sample ID: DA72268-1F
Matrix: AQ - Water Filtered
Project: Sweet Valley Property

Date Sampled: 05/09/25
Date Received: 05/09/25
Percent Solids: n/a

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analized By	Method	Prep Method
Aluminum	< 50	50	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Antimony	< 0.40	0.40	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Arsenic	0.40	0.20	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Barium	27.9	2.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Cadmium	< 0.10	0.10	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Chromium	< 2.0	2.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Cobalt	0.94	0.20	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Copper	< 2.0	2.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Iron	50.0	20	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Lead	< 0.50	0.50	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Lithium	< 10	10	ug/l	1	05/11/25	06/11/25	CDL EPA 200.7 ³	EPA 200.7 ⁶
Manganese	635	1.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Mercury	< 0.10	0.10	ug/l	1	05/13/25	05/13/25	GS EPA 245.1 ¹	EPA 245.1 ⁵
Molybdenum	8.3	1.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Nickel	< 2.0	2.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Selenium	5.4	0.40	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Silver	< 0.10	0.10	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Thallium	< 0.20	0.20	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Uranium	34.2	0.20	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Vanadium	< 1.0	1.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Zinc	< 10	10	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴

(1) Instrument QC Batch: MA19087

(2) Instrument QC Batch: MA19110

(3) Instrument QC Batch: MA19227

(4) Prep QC Batch: MP41226

(5) Prep QC Batch: MP41235

(6) Prep QC Batch: MP41516

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BERNHART MW-2	Date Sampled:	05/09/25
Lab Sample ID:	DA72268-2	Date Received:	05/09/25
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Sweet Valley Property		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
300.0							
Fluoride	0.86	0.20	mg/l	2	05/14/25 02:06	AM	EPA 300.0
Chloride	140	5.0	mg/l	10	05/13/25 20:43	AM	EPA 300.0
Sulfate	282	5.0	mg/l	10	05/13/25 20:43	AM	EPA 300.0
Nitrogen, Nitrate + Nitrite ^a	1.8	0.10	mg/l	1	05/22/25 18:46	ANJ	EPA 353.2/LACHAT
Solids, Total Dissolved	729	10	mg/l	1	05/12/25 07:00	JW	SM 2540C-2011

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID: BERNHART MW-2

Lab Sample ID: DA72268-2F

Matrix: AQ - Water Filtered

Project: Sweet Valley Property

Date Sampled: 05/09/25

Date Received: 05/09/25

Percent Solids: n/a

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	< 50	50	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁵
Antimony	< 0.40	0.40	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁵
Arsenic	0.43	0.20	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁵
Barium	36.6	2.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁵
Beryllium	< 0.20	0.20	ug/l	1	05/11/25	06/03/25	GS EPA 200.8 ³	EPA 200.8 ⁵
Boron	208	40	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁵
Cadmium	< 0.10	0.10	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁵
Chromium	< 2.0	2.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁵
Cobalt	1.9	0.20	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁵
Copper	< 2.0	2.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁵
Iron	27.0	20	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁵
Lead	< 0.50	0.50	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁵
Lithium	13.4	10	ug/l	1	05/11/25	06/11/25	CDL EPA 200.7 ⁴	EPA 200.7 ⁷
Manganese	399	1.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁵
Mercury	< 0.10	0.10	ug/l	1	05/13/25	05/13/25	GS EPA 245.1 ¹	EPA 245.1 ⁶
Molybdenum	5.9	1.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁵
Nickel	4.4	2.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁵
Selenium	0.86	0.40	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁵
Silver	< 0.10	0.10	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁵
Thallium	< 0.20	0.20	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁵
Uranium	25.6	0.20	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁵
Vanadium	< 1.0	1.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁵
Zinc	< 10	10	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁵

(1) Instrument QC Batch: MA19087

(2) Instrument QC Batch: MA19110

(3) Instrument QC Batch: MA19184

(4) Instrument QC Batch: MA19227

(5) Prep QC Batch: MP41226

(6) Prep QC Batch: MP41235

(7) Prep QC Batch: MP41516

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BERNHART MW-3	Date Sampled:	05/09/25
Lab Sample ID:	DA72268-3	Date Received:	05/09/25
Matrix:	AQ - Water	Percent Solids:	n/a
Project:	Sweet Valley Property		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
300.0							
Fluoride	0.83	0.20	mg/l	2	05/14/25 02:23	AM	EPA 300.0
Chloride	90.8	13	mg/l	25	05/14/25 02:15	AM	EPA 300.0
Sulfate	318	13	mg/l	25	05/14/25 02:15	AM	EPA 300.0
Nitrogen, Nitrate + Nitrite ^a	0.48	0.10	mg/l	1	05/22/25 18:54	ANJ	EPA 353.2/LACHAT
Solids, Total Dissolved	669	10	mg/l	1	05/12/25 07:00	JW	SM 2540C-2011

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID: BERNHART MW-3
Lab Sample ID: DA72268-3F
Matrix: AQ - Water Filtered
Project: Sweet Valley Property

Date Sampled: 05/09/25
Date Received: 05/09/25
Percent Solids: n/a

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	445	50	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Antimony	< 0.40	0.40	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Arsenic	0.37	0.20	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Barium	24.3	2.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Boron	206	40	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Cadmium	< 0.10	0.10	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Chromium	< 2.0	2.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Cobalt	3.2	0.20	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Copper	< 2.0	2.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Iron	563	20	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Lead	< 0.50	0.50	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Lithium	< 10	10	ug/l	1	05/11/25	06/11/25	CDL EPA 200.7 ³	EPA 200.7 ⁶
Manganese	713	1.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Mercury	< 0.10	0.10	ug/l	1	05/13/25	05/13/25	GS EPA 245.1 ¹	EPA 245.1 ⁵
Molybdenum	8.3	1.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Nickel	2.7	2.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Selenium	2.0	0.40	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Silver	< 0.10	0.10	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Thallium	< 0.20	0.20	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Uranium	31.0	0.20	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Vanadium	< 1.0	1.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Zinc	< 10	10	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴

(1) Instrument QC Batch: MA19087

(2) Instrument QC Batch: MA19110

(3) Instrument QC Batch: MA19227

(4) Prep QC Batch: MP41226

(5) Prep QC Batch: MP41235

(6) Prep QC Batch: MP41516

RL = Reporting Limit

Report of Analysis

Client Sample ID: BERNHART MW-4
Lab Sample ID: DA72268-4
Matrix: AQ - Water
Project: Sweet Valley Property

Date Sampled: 05/09/25
Date Received: 05/09/25
Percent Solids: n/a

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
300.0							
Fluoride	0.75	0.20	mg/l	2	05/14/25 02:32	AM	EPA 300.0
Chloride	154	5.0	mg/l	10	05/13/25 21:00	AM	EPA 300.0
Sulfate	261	5.0	mg/l	10	05/13/25 21:00	AM	EPA 300.0
Nitrogen, Nitrate + Nitrite ^a	2.3	0.10	mg/l	1	05/22/25 18:55	ANJ	EPA 353.2/LACHAT
Solids, Total Dissolved	715	10	mg/l	1	05/12/25 07:00	JW	SM 2540C-2011

(a) Analysis performed at SGS Dayton, NJ.

RL = Reporting Limit

Report of Analysis

Client Sample ID: BERNHART MW-4

Lab Sample ID: DA72268-4F

Matrix: AQ - Water Filtered

Project: Sweet Valley Property

Date Sampled: 05/09/25

Date Received: 05/09/25

Percent Solids: n/a

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	< 50	50	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Antimony	0.45	0.40	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Arsenic	1.2	0.20	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Barium	40.1	2.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Boron	185	40	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Cadmium	< 0.10	0.10	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Chromium	< 2.0	2.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Cobalt	1.6	0.20	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Copper	2.2	2.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Iron	33.6	20	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Lead	< 0.50	0.50	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Lithium	21.2	10	ug/l	1	05/11/25	06/11/25	CDL EPA 200.7 ³	EPA 200.7 ⁶
Manganese	328	1.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Mercury	< 0.10	0.10	ug/l	1	05/13/25	05/13/25	GS EPA 245.1 ¹	EPA 245.1 ⁵
Molybdenum	4.6	1.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Nickel	< 2.0	2.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Selenium	2.4	0.40	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Silver	< 0.10	0.10	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Thallium	< 0.20	0.20	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Uranium	15.9	0.20	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Vanadium	< 1.0	1.0	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴
Zinc	< 10	10	ug/l	1	05/11/25	05/17/25	CDL EPA 200.8 ²	EPA 200.8 ⁴

(1) Instrument QC Batch: MA19087

(2) Instrument QC Batch: MA19110

(3) Instrument QC Batch: MA19227

(4) Prep QC Batch: MP41226

(5) Prep QC Batch: MP41235

(6) Prep QC Batch: MP41516

RL = Reporting Limit

Bernhardt Pit - Monitor Well Readings

Well Designation					JT MW-1				JT MW-2				JT MW-3				JT MW-4			
Description					North Side				East Side				West Side				South Side			
Top of Well Elevation (ft)					4722.96				4723.15				4727.70				4726.65			
Ground Elevation (ft)					4719.92				4720.09				4724.78				4723.56			
Date	Depth to Groundwater from Top of Well (ft)	Depth to Groundwater from Ground (ft)	Elevation of Groundwater (ft)	Average Elevation of Groundwater for Month (ft) (average readings for each month for different years i.e. March 2023 and 2024 divided by 2)	Depth to Groundwater from Top of Well (ft)	Depth to Groundwater from Ground (ft)	Elevation of Groundwater (ft)	Average Elevation of Groundwater for Month (ft) (average readings for each month for different years i.e. March 2023 and 2024 divided by 2)	Depth to Groundwater from Top of Well (ft)	Depth to Groundwater from Ground (ft)	Elevation of Groundwater (ft)	Average Elevation of Groundwater for Month (ft) (average readings for each month for different years i.e. March 2023 and 2024 divided by 2)	Depth to Groundwater from Top of Well (ft)	Depth to Groundwater from Ground (ft)	Elevation of Groundwater (ft)	Average Elevation of Groundwater for Month (ft) (average readings for each month for different years i.e. March 2023 and 2024 divided by 2)	Depth to Groundwater from Top of Well (ft)	Depth to Groundwater from Ground (ft)	Elevation of Groundwater (ft)	Average Elevation of Groundwater for Month (ft) (average readings for each month for different years i.e. March 2023 and 2024 divided by 2)
March 29, 2023	7.46	4.42	4715.50	4715.50	9.27	6.21	4713.88	4713.88	10.92	8.00	4716.78	4716.78	10.38	7.29	4716.28	4716.28				
April 21, 2023	7.60	4.56	4715.36	4715.36	8.10	5.04	4715.05	4715.05	10.02	7.10	4717.68	4717.68	9.02	5.93	4717.63	4717.63				
May 18, 2023	6.29	3.25	4716.67	4716.67	6.04	2.98	4717.11	4717.11	8.54	5.62	4719.16	4719.16	6.58	3.49	4720.07	4720.07				
June 12, 2023	5.67	2.63	4717.29	4717.29	6.00	2.94	4717.15	4717.15	7.50	4.58	4720.20	4720.20	6.33	3.24	4720.32	4720.32				
July 14, 2023	5.00	1.96	4717.96	4717.96	5.92	2.86	4717.23	4717.23	6.58	3.66	4721.12	4721.12	6.21	3.12	4720.44	4720.44				
August 14, 2023	5.75	2.71	4717.21	4717.21	6.92	3.86	4716.23	4716.23	7.33	4.41	4720.37	4720.37	8.58	5.49	4718.07	4718.07				
September 13, 2023	7.67	4.63	4715.29	4715.29	8.17	5.11	4714.98	4714.98	9.92	7.00	4717.78	4717.78	9.00	5.91	4717.65	4717.65				
October 16, 2023	7.83	4.79	4715.13	4715.13	8.33	5.27	4714.82	4714.82	10.17	7.25	4717.53	4717.53	9.17	6.08	4717.48	4717.48				
November 17, 2023	7.50	4.46	4715.46	4715.46	7.83	4.77	4715.32	4715.32	10.00	7.08	4717.70	4717.70	8.58	5.49	4718.07	4718.07				
December 22, 2023	7.50	4.46	4715.46	4715.46	8.00	4.94	4715.15	4715.15	9.83	6.91	4717.87	4717.87	8.00	4.91	4718.65	4718.65				
January 20, 2024	7.83	4.79	4715.13	4715.13	8.38	5.32	4714.78	4714.78	10.17	7.25	4717.53	4717.53	9.08	5.99	4717.57	4717.57				
February 25, 2024	7.67	4.63	4715.29	4715.29	8.13	5.07	4715.03	4715.03	10.02	7.10	4717.68	4717.68	8.92	5.83	4717.73	4717.73				
March 30, 2024	6.58	3.54	4716.38	4715.94	7.29	4.23	4715.86	4714.87	9.63	6.70	4718.08	4717.43	8.13	5.04	4718.53	4717.40				
April 30, 2024	7.21	4.17	4715.75	4715.55	6.88	3.82	4716.28	4715.66	9.58	6.66	4718.12	4717.90	7.96	4.87	4718.69	4718.16				
May 31, 2024	7.21	4.17	4715.75	4716.21	6.65	3.59	4716.50	4716.81	9.58	6.66	4718.12	4718.64	7.42	4.33	4719.23	4719.65				
June 28, 2024	8.20	5.16	4714.76	4716.03	7.50	4.44	4715.65	4716.40	9.10	6.18	4718.60	4719.40	8.10	5.01	4718.55	4719.43				
August 2, 2024	7.42	4.38	4715.54	4715.42	8.21	5.15	4714.94	4715.59	9.75	6.83	4717.95	4719.16	8.94	5.85	4717.71	4717.89				
September 9, 2024	7.96	4.92	4715.00	4716.11	8.42	5.36	4714.73	4714.86	10.38	7.45	4717.33	4717.55	9.23	6.14	4717.42	4717.54				
October 10, 2024	9.58	6.54	4713.38	4714.25	8.81	5.75	4714.34	4714.58	11.21	8.29	4716.49	4717.01	9.79	6.70	4716.86	4717.17				
November 3, 2024	7.92	4.88	4715.04	4715.25	8.08	5.02	4715.07	4715.19	10.35	7.43	4717.35	4717.52	9.00	5.91	4717.65	4717.86				
December 3, 2024	7.90	4.86	4715.06	4715.26	8.20	5.14	4714.95	4715.05	10.32	7.40	4717.38	4717.62	9.05	5.96	4717.60	4718.13				
January 22, 2025	7.87	4.83	4715.09	4715.11	8.30	5.24	4714.85	4714.81	10.30	7.38	4717.40	4717.47	9.15	6.06	4717.50	4717.53				
February 28, 2025	7.61	4.57	4715.35	4715.32	7.91	4.85	4715.24	4715.13	10.07	7.15	4717.63	4717.65	8.72	5.63	4717.93	4717.83				
March 27, 2025	7.61	4.57	4715.35	4715.86	8.17	5.11	4714.98	4715.42	10.04	7.12	4717.66	4717.87	8.96	5.87	4717.69	4718.11				
April 30, 2025	7.87	4.83	4715.09	4715.42	8.37	5.31	4714.78	4715.53	10.27	7.35	4717.43	4717.77	9.22	6.13	4717.43	4718.06				
May 31, 2025	7.45	4.41	4715.51	4715.63	7.58	4.52	4715.57	4716.04	9.94	7.02	4717.76	4717.94	8.46	5.37	4718.19	4718.71				
Minimum	5.00	1.96	4713.38		5.92	2.86	4713.88		6.58	3.66	4716.49		6.21	3.12	4716.28					
Maximum	9.58	6.54	4717.96		9.27	6.21	4717.23		11.21	8.29	4721.12		10.38	7.29	4720.44					
Average	7.39	4.35	4715.57		7.75	4.69	4715.40		9.67	6.75	4718.03		8.54	5.45	4718.11					

Monitor Well Locations in decimal degrees

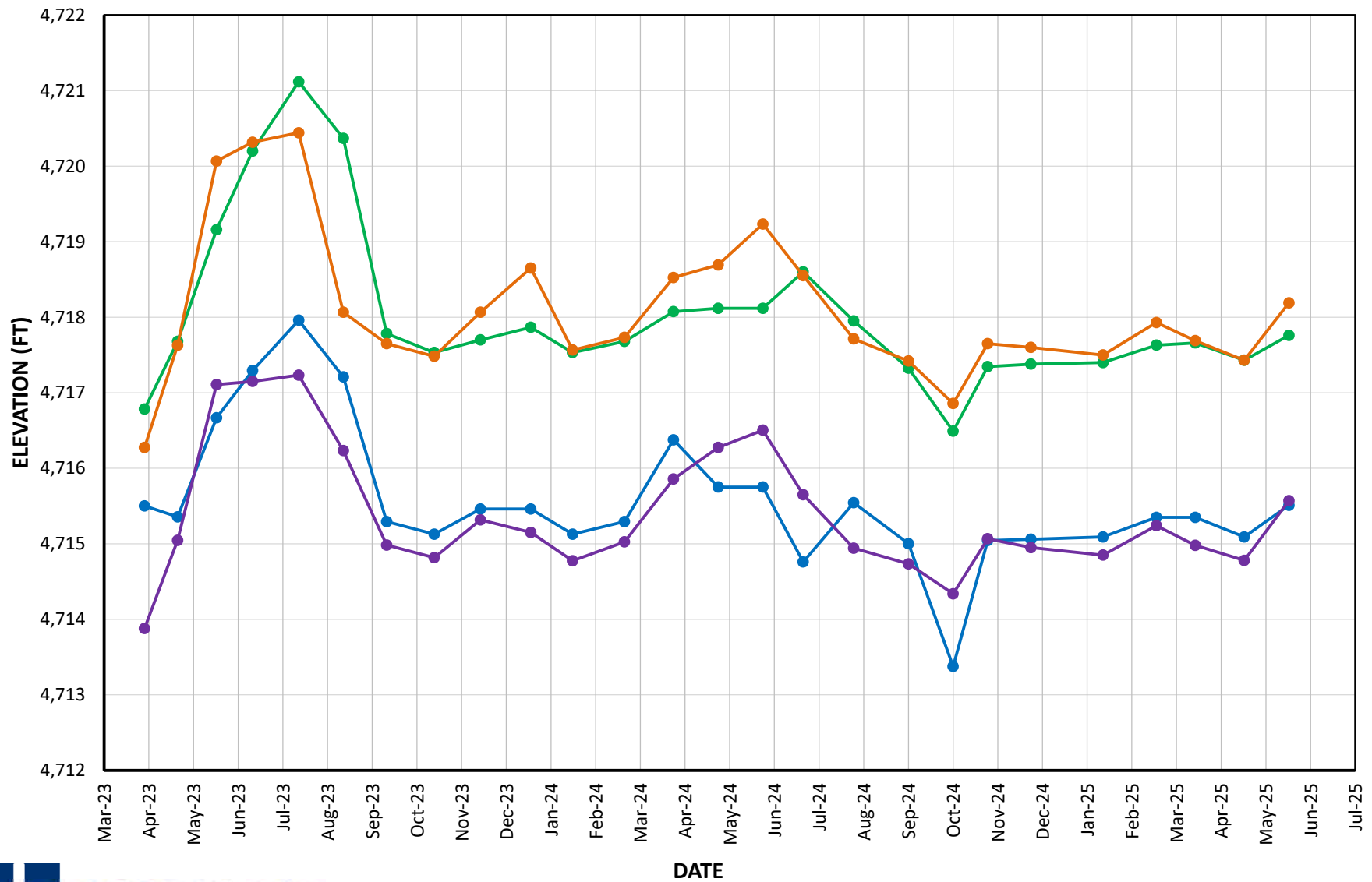
MW -1 - LAT N40.303936, LONG W104.834394

MW -2 - LAT N40.301374, LONG W104.830132

MW - 3 - LAT N40.301151, LONG W104.838891

MW - 4 - LAT N40.297684, LONG W104.834826

Bernhardt Pit Monitor Wells Elevation of Groundwater

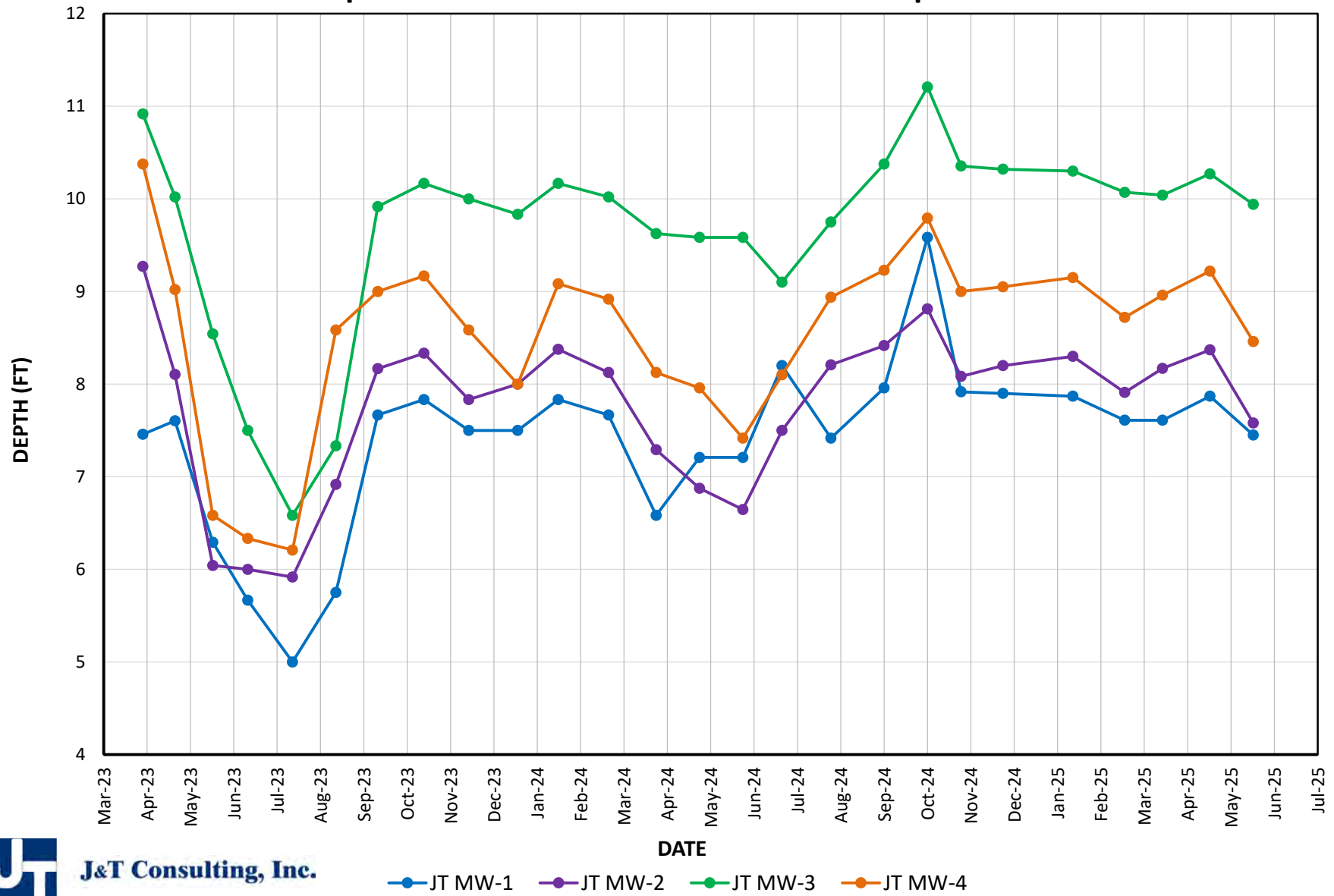


J&T Consulting, Inc.

—●— JT MW-1 —●— JT MW-2 —●— JT MW-3 —●— JT MW-4

Bernhardt Pit Monitor Wells

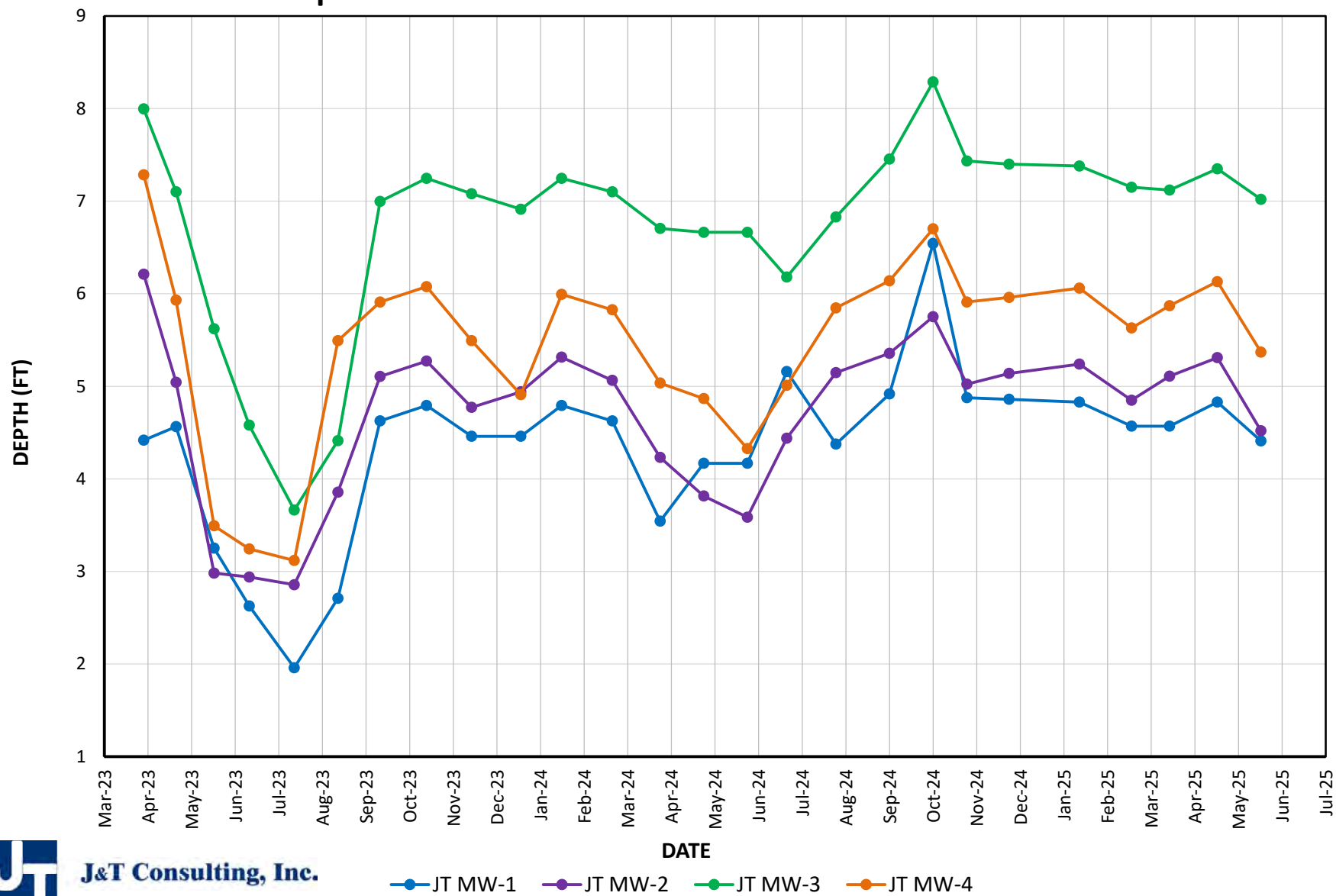
Depth to Groundwater Measured From Top of Well



J&T Consulting, Inc.

Bernhardt Pit Monitor Wells

Depth to Groundwater Measured From Ground Surface



J&T Consulting, Inc.

