2025 Annual Report 257.90(e)
Sunflower Electric Power Corporation
Holcomb Common Facilities, LLC

Prepared for:

AEC File No. 26001-0:4908

January 13, 2026

727 N Waco, Ste 265 ● Wichita, KS 67203 ● 316.262.5698 ● www.alliedenvironmental.com

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ATTEST
In our professional judgment and to the best of our knowledge, the results and conclusions presented in this document are accurate, and the document has been prepared using sound scientific methods.

ALLIED ENVIRONMENTAL CONSULTANTS, INC.

Theodore B. Francis, P.E.
Project Engineer

THEODORE B. FRANCIS
LICENSED
22729
Jan. 13, 2026
KANSAS
PROFESSIONAL ENGINEER

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1.0 EXECUTIVE SUMMARY

Sunflower operated the CCR unit pursuant to the detection monitoring program under Code of Federal Regulations (CFR) Title 40 Section 257.94.

In the Spring 2025 event, there were two (2) exceedances over the prediction limits for the intrawell method indicating possible SSIs for the event. Sunflower elected to run additional statistical analyses (interwell methods) to determine if the SSIs were attributable to variations in water quality across the network. The interwell analysis showed that these two exceedances were not SSIs across the network. In the Fall 2025 event there were two (2) exceedances over the prediction limits for the intrawell method. Again, Sunflower elected to run additional statistical analyses (interwell methods). The interwell analysis showed that these two exceedances were not SSIs across the network. A summary of the SSIs for the Spring and Fall 2025 events are shown in Table 1-1 and Table 1-2.

Table 1-1: Spring 2025 Event - Exceedances of Prediction Limits, Intrawell

Well	Parameter	Concentration	Prediction Limit	Location[1]	Action
H-1	Chloride	6.33 mg/L	6.153 mg/L	Side-gradient	Additional Stats
H-6	Total Dissolved Solids	368 mg/L	354.1 mg/L	Down-gradient	Additional Stats

Table 1-2: Fall 2025 Event - Exceedances of Prediction Limits, Intrawell

Well	Parameter	Concentration	Prediction Limit	Location[1]	Action
H-5	Total Dissolved Solids	476 mg/L	468 mg/L	Side-gradient	Additional Stats
H-6	Total Dissolved Solids	764 mg/L	369 mg/L	Down-gradient	Additional Stats

Note 1: Location relative to landfill and groundwater flow direction.

Originally and in accordance with 40 CFR 257.94(e), Sunflower prepared an “Alternate Source Demonstration” (ASD) certified by a qualified professional engineer due to the SSIs in compliance wells H-1, H-5, and H-6 in 2023. This ASD was placed in the operating record. Currently, Sunflower relies on additional statical analyses to determine the validity of an SSI.

The facility has been in detection monitoring since April 18, 2018, as required under the CCR Rule, and has not required corrective measures to date.

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2.0 APPLICABILITY UNDER 40 CFR 257.90

2.1 CCR UNIT SUBJECT TO 40 CFR § 257.90(a)

The Sunflower Electric Holcomb Landfill is a coal combustion residual (CCR) landfill subject to the requirements described under the 40 CFR §257.90 through §257.98.

2.2 ANNUAL REPORTING 40 CFR § 257.90(e)

40 CFR §257.91 requires the installation of a groundwater monitoring system and 40 CFR §257.93 requires that groundwater sampling and analysis be conducted prior to October 17, 2017. As required in §257.94 the status of the groundwater monitoring is provided herein.

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3.0 DATA FOR 2025

3.1 SITE MAP 40 CFR § 257.90(e)(1)

Appendix A, Figure 1 provides a map showing the unit and upgradient and downgradient monitoring wells. This information is also provided in the Monitoring Well Installation Report which is included in the facility's operating record as required by §257.105(h)(2).

3.2 WELL NETWORK STATUS 40 CFR § 257.90(e)(2)

Sunflower did not install or decommission any monitoring wells during 2025. The Monitoring Well Installation Report included in the facility's operating record is current with the wells present at the landfill.

3.3 MONITORING WELL DATA 40 CFR § 257.90(e)(3)

As required in §257.94(b), Sunflower collected semiannual samples from all background and downgradient monitoring wells. Table 1 in Appendix B summarizes the related information including the sample names, dates, and analytical results.

3.4 MONITORING PROGRAM STATUS 40 CFR § 257.90(e)(4)

2025 was the eighth year of the detection monitoring program for Sunflower as shown in Appendix B, Table 1. As described in Section 1.0, the compliance wells exceeded the prediction limits in the Fall 2022, 2023, 2024 and 2025 events; however, the ASD and additional statistical analyses show the detections are from natural variations in groundwater quality and from an upgradient/off-site source.

Sunflower prepared an ASD in accordance with 40 CFR 257.94(e) due to the increases demonstrated in compliance wells H-1, H-5, and H-6. Subsequently, Sunflower has relied on additional statistical analyses.

3.5 OTHER INFORMATION 40 CFR § 257.90(e)(5)

The 2025 Annual Report serves as the report for this CCR Unit and documents all activities that Sunflower conducted to comply with §257.90 through §257.94. None of the activities referenced in §257.90 through §257.98 are relevant to the activities completed in 2025 beyond the provisions of §257.90(e).

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4.0 RECORDKEEPING 40 CFR§ 257.90(f)

To comply with the recordkeeping requirements:

- The Annual Report must be placed in the facility's operating record, as required by §257.105(h)(1).
- Sunflower will notify the KDHE within 30 days of the Annual Report being placed in the facility's operating record, as required by §257.106(d).
- Sunflower will post the Annual Report on their CCR website within 30 days of the Annual Report being placed in the facility's operating record, as required by §257.107(d).

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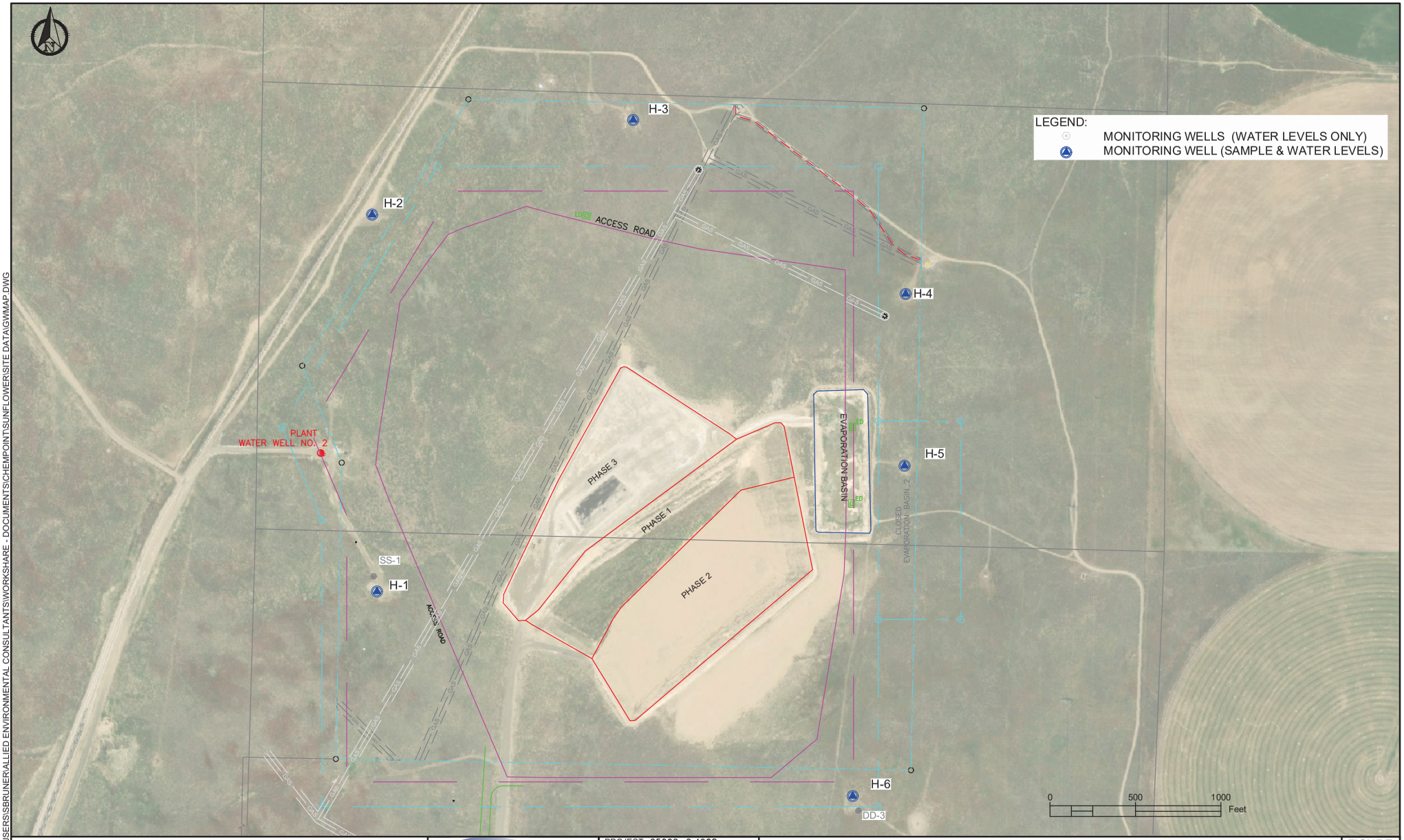
APPENDIX A

FIGURES



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SUNFLOWER ELECTRIC
HOLCOMB, KANSAS PLANT
INDUSTRIAL LANDFILL

Allied Environmental Consultants
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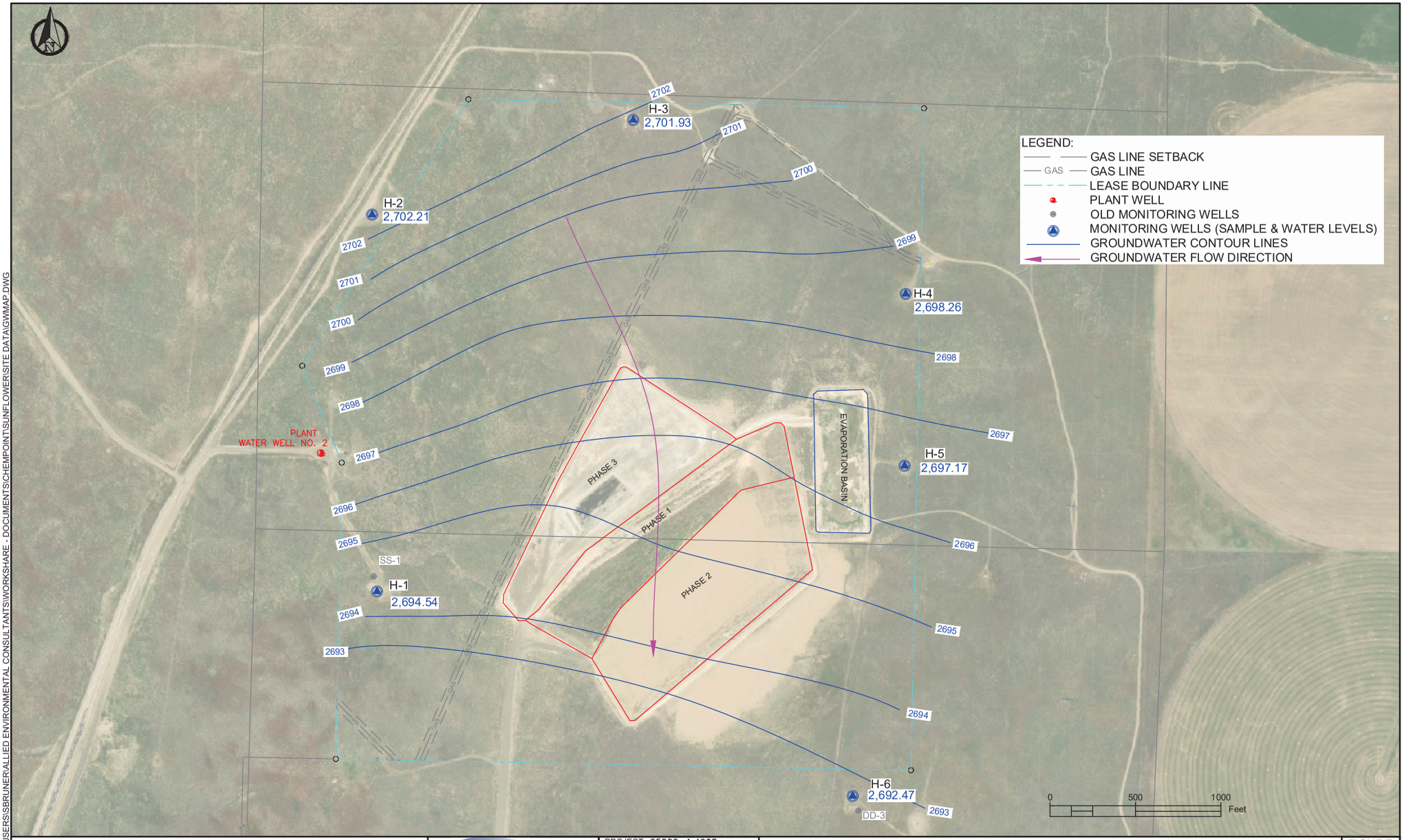
PROJECT: 25002-2:4908
SCALE: AS_SHOWN
DATE: 1/12/2026
DWN BY: SMB
CHKD BY: TBF

LANDFILL SITE MAP
HOLCOMB COMMONS FACILITY, LLC

FIGURE
1



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PROJECT: 25002–1:4908
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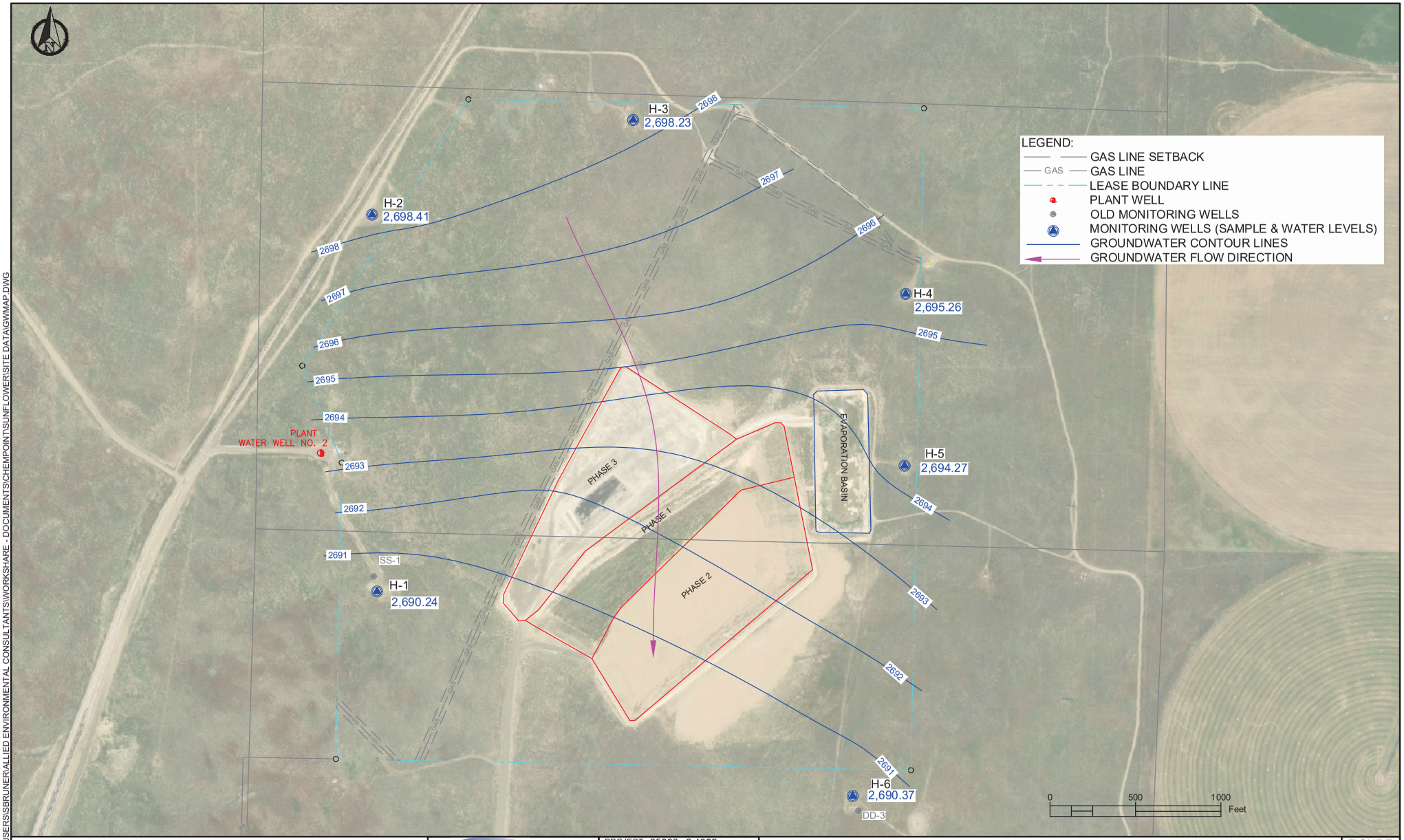
DATE: 4/16/2025
DWN BY: SMB
CHKD BY: TBF

GROUNDWATER ELEVATIONS
APRIL 2025

FIGURE
2



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PROJECT: 25002-2:4908
SCALE: AS_SHOWN
DATE: 10/15/2025
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GROUNDWATER ELEVATIONS
OCTOBER 2025

FIGURE
3

APPENDIX B

DATA SUMMARY - HOLCOMB COMMON FACILITIES, LLC

Table 1: Summary of Semi-Annual Analytical Results
Sunflower Electric Power Corporation
Holcomb Common Facilities, LLC.

Location		Measure Point Elevation (TOC) *	Sample Date	Depth to Water (BTOC)	Groundwater Elevation (ft. AMSL)	Field Parameters				Detection Monitoring Appendix III Constituents					
						Temperature (deg F)	Conductivity (µS/cm)	Turbidity (NTU)	pH (su)	Boron, Total (µg/L)	Calcium, Total (µg/L)	Chloride (mg/L)	Fluoride (mg/L)	Sulfate (mg/L)	TDS (mg/L)
			Secondary Maximum Contaminant Level (SMCL):						6.5-8.5	NE	NE	250	2	250	500
Up-Gradient	H-2	2914.71	4/18/2018	196.23	2,718.48	62.7	1588.0	0.55	7.33	ND (150)	260,000	93	0.39	**810**	**1,400**
			10/10/2018	200.80	2,713.91	59.0	1678.0	1.02	7.17	ND (150)	270,000	86	ND (0.50)	**850**	**2,900**
			4/10/2019	190.60	2,724.11	64.0	1755.0	1.08	7.38	ND (150)	280,000	91	0.32	**950**	**1,500**
			10/7/2019	200.00	2,714.71	62.0	1887.0	0.88	7.35	ND (150)	310,000	93	ND (0.5)	50	**1,600**
			4/7/2020	189.20	2,725.51	65.0	1966.0	0.79	7.24	ND (150)	310,000	84	0.31	**860**	**1,600**
			10/6/2020	199.40	2,715.31	66.0	1819.0	1.90	7.59	ND (150)	310,000	89	0.30	**840**	**1,500**
			4/6/2021	190.12	2,724.59	64.6	1994.0	1.70	7.26	ND (150)	330,000	89	ND (0.5)	**900**	**1,200**
			10/12/2021	200.80	2,713.91	65.6	1886.0	0.49	7.12	ND (150)	320,000	86	ND (0.5)	**1,000**	**1700*** **
			4/26/2022	200.50	2,714.21	66.0	1698.0	0.41	7.66	ND (150)	360,000	85	ND (0.5)	**1,100**	**1,700**
			10/18/2022	206.60	2,708.11	58.4	2175.0	10.20	7.14	60.6	372,000	91.8	0.330	**1,100**	**1,750**
			4/25/2023	206.20	2,708.51	62.0	2040.0	19.90	7.13	59.6	187,000	70.3	0.326	**952**	**1,410**
			10/12/2023	209.00	2,705.71	65.4	2183.0	20.30	7.04	67.7	336,000	96.6	0.319	**1,230**	**2,030**
			4/17/2024	206.70	2,708.01	66.0	1324.0	2.55	7.11	62.1	217,000	61.4	0.278	**785**	**1,190**
			10/15/2024****	213.10	2,701.61	64.0	1211.0	7.95	7.46	71.2	187,000	49.3	0.530	**518**	**910**
			4/16/2025	212.50	2,702.21	63.6	1638.0	12.70	7.2	54.1	262,000	73.7	0.354	**926**	**1,120**
			10/15/2025*****	216.30	2,698.41	74.8	1298.0	6.28	7.36	68.5	150,000	44.0	0.408	**401**	**814**
	H-3	2905.93	4/18/2018	188.43	2,717.50	62.6	2191.0	7.96	7.29	ND (150)	340,000	90	ND (1.0)	**1,200**	**2,000**
			10/10/2018	193.30	2,712.63	58.0	2005.0	3.26	7.23	ND (150)	320,000	87	ND (0.50)	**1,100**	**1,800**
			4/10/2019	182.70	2,723.23	64.8	2026.0	2.58	7.32	ND (150)	270,000	78	0.33	**1,100**	**1,800**
			10/7/2019	191.60	2,714.33	63.0	2180.0	4.34	7.27	ND (150)	310,000	84	ND (0.5)	**1,100**	**1,700**
			4/7/2020	181.20	2,724.73	66.0	2157.0	2.00	7.29	ND (150)	310,000	81	ND (0.5)	**1,100**	**1,800**
			10/6/2020	190.70	2,715.23	63.0	2248.0	8.00	7.20	ND (150)	350,000	88	0.30	**1,100**	**1,900**
			4/6/2021	182.90	2,723.03	64.8	2284.0	2.96	7.39	ND (150)	340,000	81	ND (0.5)	**730****	**1,500**
			10/12/2021	192.60	2,713.33	65.5	2126.0	2.64	7.13	ND (150)	320,000	84	ND (0.5)	**1,200**	**1600*** **
			4/26/2022	191.70	2,714.23	66.0	2000.0	2.29	7.30	ND (150)	340,000	81	ND (1.0)	**1,200**	**1,900**
			10/18/2022	198.20	2,707.73	58.4	2360.0	23.00	7.13	55.2	343,000	91.7	0.276	**1,220**	**1,990**
			4/25/2023	198.00	2,707.93	61.4	2320.0	17.10	7.22	51	252,000	93	0.28	**1,550**	**1,840**
			10/12/2023	200.80	2,705.13	65.1	2388.0	90.10	7.10	65.8	365,000	96.0	0.342	**1,390**	**1,950**
			4/17/2024	198.50	2,707.43	67.0	2390.0	7.92	7.16	53.1	282,000	91.1	0.239	**1,600**	**1,940**
			10/15/2024****	204.90	2,701.03	63.2	2429.0	12.40	7.26	68.8	370,000	95.4	0.398	**1,420**	**1,900**
			4/16/2025	204.00	2,701.93	63.4	2455.0	8.78	7.20	53.8	308,000	94.5	0.323	**1,380**	**1,560**
			10/15/2025*****	207.70	2,698.23	74.0	2369.0	9.78	7.20	59.7	325,000	93.3	0.277	**1,260**	**1,790**
	H-4	2901.66	4/18/2018	190.00	2,711.66	62.6	829.3	2.37	7.47	ND (150)	130,000	33	0.51	**300**	**620**
			10/10/2018	195.50	2,706.16	58.0	857.0	1.37	7.47	ND (150)	130,000	33	0.46	**310**	330
			4/10/2019	185.10	2,716.56	63.8	1134.0	1.08	7.48	ND (150)	170,000	42	0.40	**510**	**970**
			10/7/2019	193.40	2,708.26	64.0	1162.0	1.07	7.45	ND (150)	170,000	46	0.41	**490**	**910**
			4/7/2020	183.90	2,717.76	66.0	1208.0	0.88	7.47	ND (150)	200,000	47	0.39	**540**	**1,000**
			10/6/2020	192.50	2,709.16	65.0	1186.0	1.40	7.41	ND (150)	190,000	50	0.38	**520**	**960**
			4/6/2021	185.10	2,716.56	64.1	1318.0	0.90	7.38	ND (150)	220,000	53	0.38	5**	**1,100**
			10/12/2021	193.90	2,707.76	66.0	1159.0	0.72	7.31	ND (150)	200,000	48	0.57	**590**	**860*** **
			4/26/2022	192.30	2,709.36	66.0	1206.0	0.45	7.39	ND (150)	230,000	50	ND (0.5)	**660**	**1,100**
			10/18/2022	198.70	2,702.96	60.1	1590.0	2.07	7.18	33.9	169,000	56.6	0.348	**661**	**1,160**
			4/25/2023	198.00	2,703.66	60.7	1520.0	2.04	7.38	45	217,000	61	0.36	**835**	**1,150**
			10/12/2023	200.00	2,701.66	65.8	1515.0	2.22	7.20	40.8	201,000	59.9	0.449	**726**	**1,230**
			4/17/2024	198.00	2,703.66	68.0	892.0	1.35	7.34	38.6	116,000	39.2	0.331	**232**	**612**
			10/15/2024****	204.20	2,697.46	61.3	841.0	2.08	7.25	43.1	119,000	41.2	0.510	148	**616**
			4/16/2025	203.40	2,698.26	63.4	919.9	1.54	7.20	35.4	110,000	45.1	0.436	175	**658**
			10/15/2025*****	206.40	2,695.26	73.0	977.0	0.95	7.20	ND (50.0)	123,000	43.6	0.378	127	**646**

Table 1: Summary of Semi-Annual Analytical Results
Sunflower Electric Power Corporation
Holcomb Common Facilities, LLC.

Location		Measure Point Elevation (TOC) *	Sample Date	Depth to Water (BTOC)	Groundwater Elevation (ft. AMSL)	Field Parameters				Detection Monitoring Appendix III Constituents					
						Temperature (deg F)	Conductivity (µS/cm)	Turbidity (NTU)	pH (su)	Boron, Total (µg/L)	Calcium, Total (µg/L)	Chloride (mg/L)	Fluoride (mg/L)	Sulfate (mg/L)	TDS (mg/L)
Down-Gradient	H-1	2924.54	4/18/2018	217.00	2,707.54	64.3	385.3	0.47	7.62	ND (150)	47,000	5	0.57	33	240
			10/10/2018	222.40	2,702.14	58.2	382.0	0.40	7.37	ND (150)	45,000	5	0.53	30	240
			4/10/2019	213.00	2,711.54	65.7	387.7	1.67	7.76	ND (150)	42,000	4	0.51	29	250
			10/7/2019	222.60	2,701.94	62.0	400.0	0.57	7.68	ND (150)	46,000	5	0.48	32	240
			4/7/2020	212.30	2,712.24	65.0	400.0	0.51	7.54	ND (150)	48,000	5	0.49	28	240
			10/6/2020	222.90	2,701.64	64.0	399.0	0.63	7.62	ND (150)	46,000	5.5	0.48	28	140**
			4/6/2021	214.40	2,710.14	64.6	403.6	3.00	7.66	ND (150)	49,000	5.5	0.51	27	110**
			10/12/2021	222.80	2,701.74	66.2	398.7	0.63	7.36	ND (150)	46,000	5.2	0.54	30	37***(**)
			4/26/2022	220.90	2,703.64	66.0	407.2	0.54	7.67	ND (150)	49,000	4	ND (0.5)**	26	240
			10/18/2022	227.10	2,697.44	59.0	397.0	0.85	7.65	41.0	50,200	4.54	0.570	32.6	244
			4/25/2023	225.20	2,699.34	61.9	397.0	1.02	7.29	42	40,700	5	0.282**	39	238
			10/12/2023	228.50	2,696.04	64.5	398.0	0.47	7.25	51.5	44,500	4.93	0.543	35.9	**1910****
			4/17/2024	226.00	2,698.54	68.0	401.0	1.62	6.94	42.7	43,300	4.41	0.411	35.9	222
			10/15/2024****	231.50	2,693.04	62.4	400.0	1.79	7.96	48.5	44,600	5.22	0.633	34.5	240
			4/16/2025	230.00	2,694.54	63.3	412.8	1.10	7.36	40.1	44,100	6.33	0.562	37.9	286
			10/15/2025*****	234.30	2,690.24	74.9	534.0	0.49	7.61	54.0	46,500	5.52	0.198	29.6	252
	H-5	2896.67	4/18/2018	187.80	2,708.87	64.0	409.1	0.97	7.63	ND (150)	59,000	12	0.54	36	250
			10/10/2018	192.70	2,703.97	59.0	425.0	0.52	7.61	ND (150)	56,000	13	0.49	40	280
			4/10/2019	183.90	2,712.77	65.0	425.2	0.83	7.70	ND (150)	57,000	12	0.47	41	280
			10/7/2019	191.10	2,705.57	62.0	426.0	0.62	7.64	ND (150)	57,000	11	0.48	40	220
			4/7/2020	182.70	2,713.97	65.0	432.0	0.54	7.57	ND (150)	57,000	9.6	0.47	39	280
			10/6/2020	190.20	2,706.47	64.0	428.0	1.10	7.59	ND (150)	60,000	10	0.46	41	290
			4/6/2021	182.80	2,713.87	64.1	440.1	1.30	7.60	ND (150)	61,000	10.0	0.49	39	220
			10/12/2021	191.10	2,705.57	65.2	429.5	0.35	7.50	ND (150)	57,000	9.7	0.49	41	240***
			4/26/2022	189.50	2,707.17	66.0	455.5	0.30	7.54	ND (150)	63,000	10	ND (0.5)**	45	280
			10/18/2022	194.70	2,701.97	61.7	651.0	2.37	7.30	29.3	80,400	22.0	0.515	145	426
			4/25/2023	194.20	2,702.47	60.5	649.0	1.18	7.56	36	71,600	24	0.42	182	440
			10/12/2023	196.00	2,700.67	65.2	684.0	3.25	7.37	41.3	87,500	24.8	0.465	178	468
			4/17/2024	195.00	2,701.67	68.0	654.0	1.72	7.45	39.0	79,100	24.9	0.306	215	442
			10/15/2024****	200.00	2,696.67	62.5	686.0	1.74	7.53	48.3	96,700	25.2	0.550	188	410
			4/16/2025	199.50	2,697.17	62.6	618.5	0.90	7.47	38.4	84,800	24.8	0.470	182	310
			10/15/2025*****	202.40	2,694.27	69.2	780.0	1.29	7.51	ND (50.0)	86,500	23.9	0.386	165	476
	H-6	2940.37	4/18/2018	239.30	2,701.07	64.8	471.3	0.59	7.56	ND (150)	70,000	13	0.54	31	310
			10/10/2018	242.70	2,697.67	60.0	468.0	0.50	7.56	ND (150)	68,000	13	0.51	28	310
			4/10/2019	237.10	2,703.27	65.4	473.1	0.50	7.65	ND (150)	69,000	12	0.51	28	310
			10/7/2019	242.30	2,698.07	63.0	478.0	0.52	7.64	ND (150)	69,000	13	0.51	31	270
			4/7/2020	237.00	2,703.37	65.0	488.0	0.81	7.58	ND (150)	70,000	12	0.50	28	320
			10/6/2020	242.00	2,698.37	64.0	486.0	0.33	7.51	ND (150)	67,000	12	0.49	30	280
			4/6/2021	232.70	2,707.67	64.6	465.8	4.12	7.60	ND (150)	58,000	11.0	0.56	32	270
			10/12/2021	241.60	2,698.77	64.8	463.2	0.32	7.46	ND (150)	65,000	11.0	0.53	31	340***
			4/26/2022	240.40	2,699.97	66.0	460.6	0.44	7.55	ND (150)	69,000	10	ND (0.5)**	29	300
			10/18/2022	244.20	2,696.17	62.4	449.0	2.23	7.41	25.4	51,400	10.3	0.573	35.1	276
			4/25/2023	243.20	2,697.17	61.1	449.0	1.29	7.61	38	51,900	11	0.50	43	310
			10/12/2023	245.00	2,695.37	66.4	458.0	0.63	7.39	35.9	53,800	11.1	0.582	38.3	306
			4/17/2024	244.90	2,695.47	68.0	464.0	3.06	7.56	37.9	54,500	10.6	0.426	39.8	304
			10/15/2024****	247.60	2,692.77	62.3	466.0	1.49	7.65	41.8	58,500	10.7	0.649	30.7	254
			4/16/2025	247.90	2,692.47	62.8	461.4	2.40	7.56	32.8	54,900	11.6	0.567	29.9	368
			10/15/2025*****	250.00	2,690.37	71.0	590.0	1.17	7.53	ND (50.0)	54,440	9.8	0.503	20.2	764

Notes & Abbreviations Key:
* Measuring point elevation at top of well casing, from survey completed and sealed by Cornerstone Professional Services Inc. on February 12, 2016
** Suspected outlier, removed from statistical analysis
*** The TDS values came from verification sampling conducted on 12/14/2021
**** The Depth to Water values were measured on October 2, 2024 and the groundwater samples were collected on October 15, 2024
***** The Depth to Water values were measured on October 9, 2025 and the groundwater samples were collected on October 15, 2025
TOC - Top of Casing
BTOC - below top of casing
ft. AMSL - Feet Above Mean Sea Level
deg F - Degrees Fahrenheit
µS/cm - microSeimens per centimeter
su - standard units
µg/L - micrograms per Liter
mg/L - milligrams per Liter
NE - Not Established
Bold values exceed SMCL value

Allied Environmental Consultants, Inc.

APPENDIX C

REGULATORY CROSS
REFERENCE- HOLCOMB COMMON FACILITIES, LLC

REGULATORY CROSS REFERENCE
2025 Annual Report
Sunflower Electric Power Corporation
Holcomb Common Facilities, LLC.

Regulatory Citation	Annual Report Section or Compliance Narrative
§257.90 Applicability. (a) (a) All CCR landfills, CCR surface impoundments, and lateral expansions of CCR units are subject to the groundwater monitoring and corrective action requirements under §§257.90 through 257.98.	*See* Annual Report, Section 2.1
§257.90 Applicability. (b)(1)(i) (b) *Initial timeframes* - (1) *Existing CCR landfills and existing CCR surface impoundments.* No later than October 17, 2017, the owner or operator of the CCR unit must be in compliance with the following groundwater monitoring requirements: (b)(i) Install the groundwater monitoring system as required by §257.91;	Sunflower installed the required groundwater monitoring system in 2016. Sunflower has placed installation reports and certifications in the operating record.
§257.90 Applicability. (b)(1)(ii) (b)(ii) Develop the groundwater sampling and analysis program to include selection of the statistical procedures to be used for evaluating groundwater monitoring data as required by §257.93;	Sunflower has prepared a groundwater sampling and analysis plan with accompanying statistical procedures as required by this subsection.
§257.90 Applicability. (b)(1)(iii) (b)(iii) Initiate the detection monitoring program to include obtaining a minimum of eight independent samples for each background and downgradient well as required by §257.94(b); and	Sunflower completed the collection and analysis of a minimum of eight independent samples in 2017 for all wells at the subject landfill.
§257.90 Applicability. (b)(1)(iv) (b)(iv) Begin evaluating the groundwater monitoring data for statistically significant increases over background levels for the constituents listed in appendix III of this part as required by §257.94.	Sunflower has begun to evaluate the data using the procedures described in the groundwater sampling and analysis plan.

Regulatory Citation	Annual Report Section or Compliance Narrative
§257.90 Applicability. (b)(2) (2) *New CCR landfills, new CCR surface impoundments, and all lateral expansions of CCR units.* Prior to initial receipt of CCR by the CCR unit, the owner or operator must be in compliance with the groundwater monitoring requirements specified in paragraph (b)(1)(i) and (ii) of this section. In addition, the owner or operator of the CCR unit must initiate the detection monitoring program to include obtaining a minimum of eight independent samples for each background well as required by §257.94(b).	The subject landfill pre-dates the CCR regulations. This subsection does not apply to the subject facility at this time.
§257.90 Applicability. (c) (c) Once a groundwater monitoring system and groundwater monitoring program has been established at the CCR unit as required by this subpart, the owner or operator must conduct groundwater monitoring and, if necessary, corrective action throughout the active life and post-closure care period of the CCR unit.	Sunflower initiated a post-background detection monitoring in 2018.
§257.90 Applicability. (d) (d) In the event of a release from a CCR unit, the owner or operator must immediately take all necessary measures to control the source(s) of releases so as to reduce or eliminate, to the maximum extent feasible, further releases of contaminants into the environment. The owner or operator of the CCR unit must comply with all applicable requirements in §§257.96, 257.97, and 257.98.	Sunflower will respond accordingly should a release occur at this facility.

Regulatory Citation	Annual Report Section or Compliance Narrative
§257.90 Applicability. (e) (e) *Annual groundwater monitoring and corrective action report.* For existing CCR landfills and existing CCR surface impoundments, no later than January 31, 2018, and annually thereafter, the owner or operator must prepare an annual groundwater monitoring and corrective action report. For new CCR landfills, new CCR surface impoundments, and all lateral expansions of CCR units, the owner or operator must prepare the initial annual groundwater monitoring and corrective action report no later than January 31 of the year following the calendar year a groundwater monitoring system has been established for such CCR unit as required by this subpart, and annually thereafter. For the preceding calendar year, the annual report must document the status of the groundwater monitoring and corrective action program for the CCR unit, summarize key actions completed, describe any problems encountered, discuss actions to resolve the problems, and project key activities for the upcoming year. For purposes of this section, the owner or operator has prepared the annual report when the report is placed in the facility's operating record as required by §257.105(h)(1). At a minimum, the annual groundwater monitoring and corrective action report must contain the following information, to the extent available:	*(see below for Annual report content requirements)*
§257.90 Applicability. (e)(1) (1) A map, aerial image, or diagram showing the CCR unit and all background (or upgradient) and downgradient monitoring wells, to include the well identification numbers, that are part of the groundwater monitoring program for the CCR unit;	*See* Annual Report, Section 3.1.
§257.90 Applicability. (e)(2) (2) Identification of any monitoring wells that were installed or decommissioned during the preceding year, along with a narrative description of why those actions were taken;	*See* Annual Report, Section 3.2.
§257.90 Applicability. (e)(3) (3) In addition to all the monitoring data obtained under §§257.90 through 257.98, a summary including the number of groundwater samples that were collected for analysis for each background and downgradient well, the dates the samples were collected, and whether the sample was required by the detection monitoring or assessment monitoring programs;	*See* Annual Report, Section 3.3.

Regulatory Citation	Annual Report Section or Compliance Narrative
§257.90 Applicability. (e)(3) (4) A narrative discussion of any transition between monitoring programs (e.g., the date and circumstances for transitioning from detection monitoring to assessment monitoring in addition to identifying the constituent(s) detected at a statistically significant increase over background levels); and	*See* Annual Report, Section 3.4
§257.90 Applicability. (e)(3) (5) Other information required to be included in the annual report as specified in §§257.90 through 257.98.	*See* Annual Report, Section 3.5

§257.90 Applicability. (e) (6) A section at the beginning of the annual report that provides an overview of the current status of groundwater monitoring and corrective action programs for the CCR unit. At a minimum, the summary must specify all of the following: (i) At the start of the current annual reporting period, whether the CCR unit was operating under the detection monitoring program in § 257.94 or the assessment monitoring program in § 257.95; (ii) At the end of the current annual reporting period, whether the CCR unit was operating under the detection monitoring program in § 257.94 or the assessment monitoring program in § 257.95; (iii) If it was determined that there was a statistically significant increase over background for one or more constituents listed in appendix III to this part pursuant to § 257.94(e): (A) Identify those constituents listed in appendix III to this part and the names of the monitoring wells associated with such an increase; and (B) Provide the date when the assessment monitoring program was initiated for the CCR unit. (iv) If it was determined that there was a statistically significant level above the groundwater protection standard for one or more constituents listed in appendix IV to this part pursuant to § 257.95(g) include all of the following: (A) Identify those constituents listed in appendix IV to this part and the names of the monitoring wells associated with such an increase; (B) Provide the date when the assessment of corrective measures was initiated for the CCR unit; (C) Provide the date when the public meeting was held for the assessment of corrective measures for the CCR unit; and (D) Provide the date when the assessment of corrective measures was completed for the CCR unit. (v) Whether a remedy was selected pursuant to § 257.97 during the current annual reporting period, and if so, the date of remedy selection; and (vi) Whether remedial activities were initiated or are ongoing pursuant to § 257.98 during the current annual reporting period.	*See* Annual Report, Section 1.0

§257.90 Applicability. (f) (f) The owner or operator of the CCR unit must comply with the recordkeeping requirements specified in §257.105(h), the notification requirements specified in §257.106(h), and the internet requirements specified in §257.107(h).	*See* Annual Report, Section 4.0

Source - [80 FR 21468, Apr. 17, 2015, as amended at 81 FR 53516, Aug. 28, 2020]

APPENDIX D

SPRING 2025 GROUNDWATER MONITORING REPORT

June 16, 2025
Revised December 19, 2025

Sunflower Electric Power Corporation
PO Box 1020
Hays, Kansas 67601

Attention: Ms. Emily Vsetecka, P.E.
Manager, Environmental and
Laboratory Services
via email: evsetecka@sunflower.net

Reference: Holcomb Common Facilities Industrial Landfill (CCR Unit)
Spring 2025 Sampling Summary Report Revised
AEC File No.25002-1:4908

Dear Ms. Vsetecka:

Sunflower has completed the sampling for the Spring 2025 Sampling Event, and this letter reports the validated results. Enclosed with this letter are the groundwater flow map, the chemical laboratory reports, and the statistical analysis. Our qualified groundwater scientist and the project engineer have reviewed this report, as indicated by the signatures below.

Deviations from SAP
Sunflower did not report deviations from procedures established in the Sampling and Analysis Plan (SAP) submitted to the Kansas Department of Health and Environment (KDHE) on June 23, 2016. However, Sunflower has elected to add interwell prediction limit analysis to the statistics completed to date due to changes in upgradient groundwater quality as described in the Alternate Source Determination (ASD) dated September 18, 2023, and revised February 9, 2024.

Groundwater Flow
Figure 1 in Attachment 1 shows groundwater elevations and contours converted from static water measurements recorded during the sampling event. Attachment 2 shows the related water level measurements. The general direction of groundwater flow is south-southeast in the northern portion of the landfill while the southern component of flow appears to be to the south to southwest. The groundwater gradient between H-1 and H-2 was 0.0035 feet per foot during this event.

Chemical Data Summary
Sunflower collected groundwater samples for each well using disposable HydraSleeve devices and decanted them into laboratory-supplied containers. Sunflower labeled all containers before placing on ice for shipment to the analytical laboratory under chain-of-custody protocol. Sunflower submitted the samples to ALS Laboratory Group, located in Houston, Texas.

Attachment 2 presents the analytical summary table showing detected analytes. Attachment 3 provides the complete laboratory report. Data validation shows that the data satisfies the quality control standards required in the Sampling and Analysis Plan (SAP).

SUMMARY OF STATISTICAL ANALYSES RESULTS

In accordance with the SAP and per the regulatory requirements of *40 CFR 257.93*, statistical analysis was performed using the Sanitas Technologies Statistical software to evaluate the data. The statistical methods employed include Outlier Analysis, Time Series, Intrawell Prediction Limits and Interwell Prediction Limits Analysis to evaluate each parameter detected in the Sunflower monitoring wells. The specific methods and results are described below.

Outlier Analysis identifies anomalous values in the dataset. In this case, Outlier analysis (EPA 1989 Outlier Test) for each parameter is applied to indicate significant variations from the background levels. In many cases, these outlier values can graphically illustrate suspect values that may be attributed to sampling or laboratory error. In other cases, Outlier analysis can be used to aid in the verification of a statistically significant result if other factors can be ruled out. Attachment 4 includes the related Outlier output. As shown therein, multiple samples and constituents were flagged as potential outliers during this event. AEC reviewed the outliers shown in Table 1 below and elected to retain the values due to consistency in results among the constituents and increasing trends.

Table 1: Detected Outliers

Parameter	Well	Date
Fluoride	H-1	4/26/2022
		4/25/2023
		4/17/2024
	H-5	4/26/2022
		4/17/2024
	H-6	7/12/2017
		4/26/2022
		4/17/2024
pH	H-5	1/19/2017
Sulfate	H-3	4/4/2017
		7/12/2017
	H-4	4/6/2021

Time Series Analysis is performed to determine changes in analytical results over time. Time Series graphs were developed for each analyte detected in each well. These graphs produce observational evidence to evaluate if analyte concentrations are increasing or decreasing in each well. Attachment 4 includes the related Time Series output.

Trend Analysis was performed utilizing Sen's Slope/Mann-Kendall analysis at 95% confidence to evaluate statistically significant trends in upgradient and downgradient wells. Table 2 shows the Wells/Parameter pairs that exhibit trends. Given the magnitude of trends, no background data was removed for statistical analysis as the sample size would be low for many of the observed parameters at n<13 or 14.

Table 2: Trend Analysis

Parameter (trend)	Well	Well Type
Calcium (increasing)	H-2	Upgradient
	H-5	Side-gradient
Chloride (increasing)	H-1	Side-gradient
	H-3	Upgradient
	H-4	Upgradient
	H-5	Side-gradient
Fluoride (decreasing)	H-5	Side-gradient
Sulfate (increasing)	H-2	Upgradient
	H-3	Upgradient
	H-4	Upgradient
	H-5	Side-gradient
	H-6	Downgradient
Total Dissolved Solids (increasing)	H-4	Upgradient
	H-5	Side-gradient

Intrawell Prediction Limit Analysis is one of the statistical methods recommended by the EPA's Unified Guidance, Statistical Analysis of Ground-Water Monitoring Data at RCRA Facilities for facilities involved in compliance monitoring. A Statistically Significant Increase (SSI) is noted when the parameter value from a compliance well exceeds the Prediction Limit for that parameter.

As described in Section 6.2.3 of the Sunflower SAP, Intrawell Prediction Limits (*see* Attachment 4) are employed only after it has been demonstrated that there has been no prior facility impact on the background data. For certain wells, the data was non-normally distributed requiring non-parametric (vs. parametric) analysis; this will likely change with increases in the sample size. As noted on the graphs in Attachment 4, when the non-parametric test is used, the calculated limit is equal to the highest background value for that parameter. Since there is a relatively small number of observations to date, the limit may be artificially low. Finally, due to the relatively small sample size, seasonality effects will not be able to be determined until 20 observations are available (i.e., n=20).

As shown on the Intrawell Prediction Limit charts in Attachment 4, the compliance value for the following wells/parameters are shown to be above the predicted limits and therefore represent SSIs above background. Parameter values in compliance wells are well below upgradient values.

Table 3: Intrawell Statistically Significant Increases (SSIs)

Well	Parameter	Well Type
H-1	Chloride	Side-gradient / Compliance
H-6	Total Dissolved Solids	Downgradient

The Facility Alternate Source Demonstration (ASD) shows that there is an alternate source for the parameters with intrawell SSIs in Site Compliance Wells. It is expected that concentrations of parameters in down-gradient compliance wells will eventually be similar to the elevated concentrations found in up-gradient background wells. Sunflower therefore relied on interwell analysis to determine if the SSIs found via intrawell analysis were indicative of a release or influences from upgradient groundwater quality. The flagged well/parameter pairs utilizing intrawell analysis were not shown as SSIs utilizing interwell analysis.

Interwell Prediction Limit Analysis: In accordance with Section 6.2.5 of the Sunflower SAP, Sunflower elected to run Interwell Prediction Limit Analysis on the three (3) site Compliance wells. In lieu of the Tolerance Limit test outlined in the SAP, Sunflower utilized a Prediction Limit analysis at the 95% confidence level. With the pooled background data, seasonality was able to be tested but was not detected for any parameters in compliance wells.

As shown on the Interwell Prediction Limit charts none of the compliance values for the above, or any of the wells/parameters are shown to be above the predicted limits.

Sunflower will continue with routine monitoring to determine if future statistical analyses indicate a potential release from the landfill. Should you have any questions or comments concerning the results of this investigation, please contact our office at your convenience.

Sincerely,
ALLIED ENVIRONMENTAL CONSULTANTS, INC.

Sheena M Bruner
Statistical Analyst

Paul R. Clark, P.G.
Project Geologist

Ted Francis, P.E.
Project Engineer

THEODORE B. FRANCIS LICENSED 22729 Dec. 19, 2025 KANSAS PROFESSIONAL ENGINEER

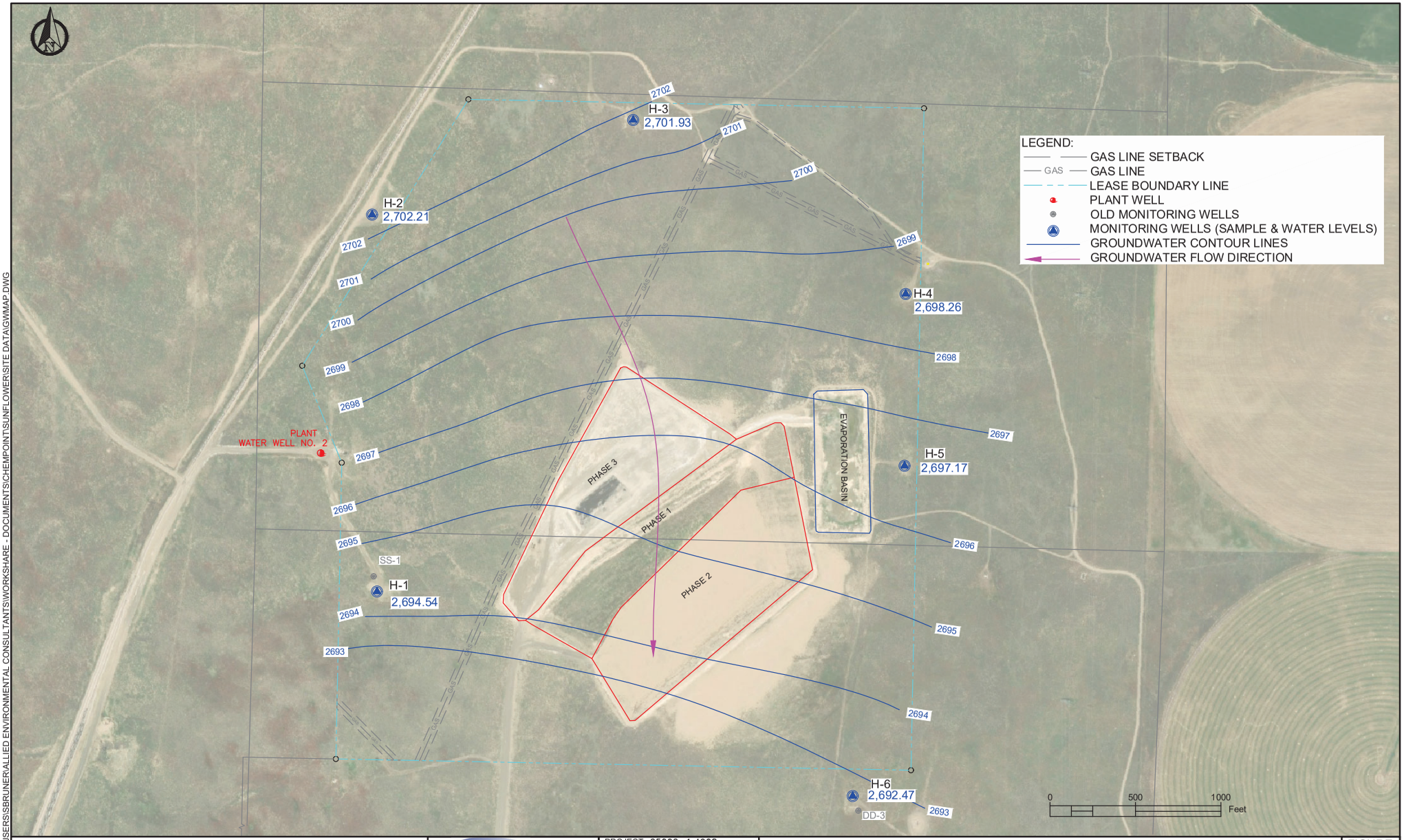
PAUL R. CLARK LICENSED 555 December 19, 2025 KANSAS PROFESSIONAL GEOLOGIST

Attachments: 1 – Site Figure 2 – Table 3 – Laboratory Report 4 – Statistical Analysis
5 - Field Data Sheets

c: Ms. Kandi George (via email: kgeorge@sunflower.net)
Ms. Justine Sullivan (via email: jsullivan@sunflower.net)

ATTACHMENT 1

FIGURE



FILENAME:C:\USERS\SBRUNER\ALLIED ENVIRONMENTAL CONSULTANTS\WORKSHARE - DOCUMENTS\CHEMPOINT\SUNFLOWER\SITE DATA\GWMAP.DWG

SUNFLOWER ELECTRIC
HOLCOMB, KANSAS PLANT
INDUSTRIAL LANDFILL

Allied Environmental Consultants
727 N WACO AVE., STE 265 • WICHITA, KS 67203 • 316.262.5698

PROJECT: 25002–1:4908
SCALE: AS_SHOWN
DATE: 4/16/2025
DWN BY: SMB
CHKD BY: TBF

GROUNDWATER ELEVATIONS
APRIL 2025

FIGURE
1

ATTACHMENT 2

ANALYTICAL SUMMARY TABLE

Table 1: Summary of Spring 2025
Analytical Results
Sunflower Electric Power Corporation
Holcomb Common Facilities, LLC.

Location		Measure Point Elevation (TOC) *	Sample Date	Depth to Water (BTOC)	Groundwater Elevation (ft. AMSL)	Field Parameters				Detection Monitoring Appendix III Constituents					
						Temperature (deg F)	Conductivity (µS/cm)	Turbidity (NTU)	pH (su)	Boron, Total (µg/L)	Calcium, Total (µg/L)	Chloride (mg/L)	Fluoride (mg/L)	Sulfate (mg/L)	TDS (mg/L)
Up-Gradient	H-2	2914.71	4/16/2025	212.50	2,702.21	63.6	1638.0	12.70	7.20	54.1	262,000	73.7	0.354	**926**	**1,120**
	H-3	2905.93	4/16/2025	204.00	2,701.93	63.4	2455.0	8.78	7.20	53.8	308,000	94.5	0.323	**1,380**	**1,560**
	H-4	2901.66	4/16/2025	203.40	2,698.26	63.4	919.9	1.54	7.20	35.4	110,000	45.1	0.436	175	**658**
Down-Gradient	H-1	2924.54	4/16/2025	230.00	2,694.54	63.3	412.8	1.10	7.36	40.1	44,100	6.33	0.562	37.9	286
	H-5	2896.67	4/16/2025	199.50	2,697.17	62.6	618.5	0.90	7.47	38.4	84,800	24.8	0.470	182	310
	H-6	2940.37	4/16/2025	247.90	2,692.47	62.8	461.4	2.40	7.56	32.8	54,900	11.6	0.567	29.9	368
									6.5 - 8.5	NE	NE	250	2.00	250	500
									Secondary Maximum Contaminant Level (SMCL)						

Notes & Abbreviations Key:
* Measuring point elevation at top of well casing, from survey completed and sealed by Cornerstone Professional Services Inc. on February 12, 2016
TOC - Top of Casing
BTOC - below top of casing
ft. AMSL - Feet Above Mean Sea Level
deg F - Degrees Fahrenheit
µS/cm - microSeimens per centimeter
NTU - Nephelometric Turbidity Units
su - standard units
µg/L - micrograms per Liter
mg/L - milligrams per Liter
Bold values exceed SMCL value
Highlight values indicate SSI
ND - Non-Detect
NE - Not Established

ATTACHMENT 3

LABORATORY REPORT

DATA VALIDATION FORM
ALLIED ENVIRONMENTAL CONSULTANTS

Project Name: 2025 Spring Event Report Project/Client Numbers: 25002-1:4908

Laboratory Name & Certification #: ALS Environmental E-10352

Laboratory Episode ID: HS25040926 *"Episode" = set of analytical reports represented one COC submittal.*

Part I: Samples Represented In This Episode => Compare COC Form with Lab Identification

Sample ID	Lab. ID	Sample ID	Lab. ID	Sample ID	Lab. ID	Sample ID	Lab. ID
H1	HS25040926-01	H6	HS25040926-06				
H2	HS25040926-02						
H3	HS25040926-03						
H4	HS25040926-04						
H5	HS25040926-05						

Part II: HOLDING TIME REQUIREMENTS

Date Samples Collected	7-Day Holding/Extract	14-Day Holding	Other Holding Date
4/16/2025	4/23/2025		28 Days-5/14/25; 180 Days-10/13/25

Part III: COMPLETENESS

Review Item	YES	NO	NA	Note Ref. Or Comment
Sample Manifest or Chain-of-Custody Complete	✓			
Sample receipt / inspection form by Lab – list concerns		✓		
Lab Completed All Request Analysis	✓			
Requested Detection Limits Satisfied	✓			
Extraction & Analytical Holding Times Satisfied	✓			
Sample Preservation Satisfied	✓			
Laboratory Provided Written Narrative – if yes see next page	✓			
Project Analytical Objectives Satisfied	✓			

Part IV: PROJECT QUALITY CONTROL REQUIREMENTS

Review Item	YES	NO	NA	Note Reference to Part VI
Trip Blanks accompanied VOC samples		✓		
VOCs Detected in Trip Blank			✓	
Duplicate Samples Collected / Listed on COC		✓		
RPDs for Duplicate vs. Original Sample Acceptable			✓	
Field Blanks Submitted and Analyzed		✓		
Decontamination Blanks Collected and Analyzed		✓		
Matrix Spike/Spike Duplicate Submitted		✓		
Surrogate Recoveries Acceptable, as reported by Lab	✓			
RPDs for MS/MSD Acceptable, as reported by Lab	✓			1.
LCS Percent Recoveries Acceptable	✓			
Analytes Detected in Lab Blank		✓		

RPD - Relative Percent Difference

PART V: DATA QUALITY ASSESSMENT

Data is acceptable for use as reported? Acceptable ☑ Not Acceptable ☐

*If some or all of the data is **Not Acceptable**, please indicate which analyses require qualification in the Comments Section. Describe how any issue or question regarding data quality or validity has been resolved.*

PART VI: COMMENTS *Use additional pages, if needed.*

Note Ref.	Comments (List Questions to Lab)	Describe Resolution
1.	The laboratory reported that for Batch 227270 (samples H1, H2, H3, H4, H5 and H6) the MSD is from an unrelated	
	sample.	

Data Validated By: Sheena Bruner Digitally signed by Sheena Bruner Date: 2025.05.09 09:20:27 -05'00'

Date: May 9, 2025

Laboratory Written Narrative

Sample ID: HS25041299-02MSD
• MSD is for an unrelated sample

10450 Stancliff Rd. Suite 210
Houston, TX 77099
T: +1 281 530 5656
F: +1 281 530 5887

April 30, 2025

Kandi George
Sunflower Electric Power Corporation
2440 Holcomb Power
Holcomb, KS 67851

Work Order: **HS25040926**

Laboratory Results for: **GW Sampling**

Dear Kandi George,

ALS Environmental received 6 sample(s) on Apr 17, 2025 for the analysis presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

Generated By: JUMOKE.LAWAL
Jessica Monfore
Project manager

Client: Sunflower Electric Power Corporation
Project: GW Sampling
Work Order: HS25040926

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS25040926-01	H1	Water		16-Apr-2025 09:28	17-Apr-2025 08:50	☐
HS25040926-02	H2	Water		16-Apr-2025 09:51	17-Apr-2025 08:50	☐
HS25040926-03	H3	Water		16-Apr-2025 10:04	17-Apr-2025 08:50	☐
HS25040926-04	H4	Water		16-Apr-2025 10:18	17-Apr-2025 08:50	☐
HS25040926-05	H5	Water		16-Apr-2025 10:53	17-Apr-2025 08:50	☐
HS25040926-06	H6	Water		16-Apr-2025 10:36	17-Apr-2025 08:50	☐

Client: Sunflower Electric Power Corporation **CASE NARRATIVE**
Project: GW Sampling
Work Order: HS25040926

Metals by Method E200.8

Batch ID: 227270

Sample ID: HS25041299-02MSD

• MSD is for an unrelated sample

WetChemistry by Method E300

Batch ID: R511495

• The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

WetChemistry by Method M2540C

Batch ID: R511447

• The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

Client: Sunflower Electric Power Corporation
Project: GW Sampling
Sample ID: H1
Collection Date: 16-Apr-2025 09:28

ANALYTICAL REPORT
WorkOrder:HS25040926
Lab ID:HS25040926-01
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
TOTAL METALS BY E200.8, REV 5.4, 1994		**Method:E200.8**		Prep:E200.8 / 29-Apr-2025		Analyst: JC
Boron	**40.1**		**20.0**	**ug/L**	1	30-Apr-2025 13:35
Calcium	**44,100**		**500**	**ug/L**	1	30-Apr-2025 13:35
ANIONS BY E300.0, REV 2.1, 1993		**Method:E300**				Analyst: TH
Chloride	**6.33**		**0.500**	**mg/L**	1	21-Apr-2025 10:39
Fluoride	**0.562**		**0.100**	**mg/L**	1	21-Apr-2025 10:39
Sulfate	**37.9**		**0.500**	**mg/L**	1	21-Apr-2025 10:39
TOTAL DISSOLVED SOLIDS BY SM2540C		**Method:M2540C**				Analyst: MH
Total Dissolved Solids (Residue, Filterable)	**286**		**10.0**	**mg/L**	1	21-Apr-2025 08:30

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: Sunflower Electric Power Corporation
Project: GW Sampling
Sample ID: H2
Collection Date: 16-Apr-2025 09:51

ANALYTICAL REPORT
WorkOrder:HS25040926
Lab ID:HS25040926-02
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
TOTAL METALS BY E200.8, REV 5.4, 1994		**Method:E200.8**		Prep:E200.8 / 29-Apr-2025		Analyst: JC
Boron	**54.1**		**20.0**	**ug/L**	1	30-Apr-2025 13:56
Calcium	**262,000**		**10000**	**ug/L**	20	30-Apr-2025 15:16
ANIONS BY E300.0, REV 2.1, 1993		**Method:E300**				Analyst: TH
Chloride	**73.7**		**0.500**	**mg/L**	1	21-Apr-2025 10:44
Fluoride	**0.354**		**0.100**	**mg/L**	1	21-Apr-2025 10:44
Sulfate	**926**		**10.0**	**mg/L**	20	21-Apr-2025 12:06
TOTAL DISSOLVED SOLIDS BY SM2540C		**Method:M2540C**				Analyst: MH
Total Dissolved Solids (Residue, Filterable)	**1,120**		**10.0**	**mg/L**	1	21-Apr-2025 08:30

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: Sunflower Electric Power Corporation
Project: GW Sampling
Sample ID: H3
Collection Date: 16-Apr-2025 10:04

ANALYTICAL REPORT
WorkOrder:HS25040926
Lab ID:HS25040926-03
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
TOTAL METALS BY E200.8, REV 5.4, 1994		**Method:E200.8**		Prep:E200.8 / 29-Apr-2025		Analyst: JC
Boron	**53.8**		**20.0**	**ug/L**	1	30-Apr-2025 13:58
Calcium	**308,000**		**10000**	**ug/L**	20	30-Apr-2025 15:18
ANIONS BY E300.0, REV 2.1, 1993		**Method:E300**				Analyst: TH
Chloride	**94.5**		**0.500**	**mg/L**	1	21-Apr-2025 11:31
Fluoride	**0.323**		**0.100**	**mg/L**	1	21-Apr-2025 11:31
Sulfate	**1,380**		**10.0**	**mg/L**	20	21-Apr-2025 12:35
TOTAL DISSOLVED SOLIDS BY SM2540C		**Method:M2540C**				Analyst: MH
Total Dissolved Solids (Residue, Filterable)	**1,560**		**10.0**	**mg/L**	1	21-Apr-2025 08:30

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: Sunflower Electric Power Corporation
Project: GW Sampling
Sample ID: H4
Collection Date: 16-Apr-2025 10:18

ANALYTICAL REPORT
WorkOrder:HS25040926
Lab ID:HS25040926-04
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
TOTAL METALS BY E200.8, REV 5.4, 1994		**Method:E200.8**		Prep:E200.8 / 29-Apr-2025		Analyst: JC
Boron	**35.4**		**20.0**	**ug/L**	1	30-Apr-2025 14:00
Calcium	**110,000**		**500**	**ug/L**	1	30-Apr-2025 14:00
ANIONS BY E300.0, REV 2.1, 1993		**Method:E300**				Analyst: TH
Chloride	**45.1**		**0.500**	**mg/L**	1	21-Apr-2025 11:37
Fluoride	**0.436**		**0.100**	**mg/L**	1	21-Apr-2025 11:37
Sulfate	**175**		**2.50**	**mg/L**	5	21-Apr-2025 12:41
TOTAL DISSOLVED SOLIDS BY SM2540C		**Method:M2540C**				Analyst: MH
Total Dissolved Solids (Residue, Filterable)	**658**		**10.0**	**mg/L**	1	21-Apr-2025 08:30

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: Sunflower Electric Power Corporation
Project: GW Sampling
Sample ID: H5
Collection Date: 16-Apr-2025 10:53

ANALYTICAL REPORT
WorkOrder:HS25040926
Lab ID:HS25040926-05
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
TOTAL METALS BY E200.8, REV 5.4, 1994		**Method:E200.8**		Prep:E200.8 / 29-Apr-2025		Analyst: JC
Boron	**38.4**		**20.0**	**ug/L**	1	30-Apr-2025 14:02
Calcium	**84,800**		**500**	**ug/L**	1	30-Apr-2025 14:02
ANIONS BY E300.0, REV 2.1, 1993		**Method:E300**				Analyst: TH
Chloride	**24.8**		**0.500**	**mg/L**	1	21-Apr-2025 11:43
Fluoride	**0.470**		**0.100**	**mg/L**	1	21-Apr-2025 11:43
Sulfate	**182**		**2.50**	**mg/L**	5	21-Apr-2025 12:47
TOTAL DISSOLVED SOLIDS BY SM2540C		**Method:M2540C**				Analyst: MH
Total Dissolved Solids (Residue, Filterable)	**310**		**10.0**	**mg/L**	1	21-Apr-2025 08:30

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: Sunflower Electric Power Corporation
Project: GW Sampling
Sample ID: H6
Collection Date: 16-Apr-2025 10:36

ANALYTICAL REPORT
WorkOrder:HS25040926
Lab ID:HS25040926-06
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
TOTAL METALS BY E200.8, REV 5.4, 1994		**Method:E200.8**		Prep:E200.8 / 29-Apr-2025		Analyst: JC
Boron	**32.8**		**20.0**	**ug/L**	1	30-Apr-2025 14:04
Calcium	**54,900**		**500**	**ug/L**	1	30-Apr-2025 14:04
ANIONS BY E300.0, REV 2.1, 1993		**Method:E300**				Analyst: TH
Chloride	**11.6**		**0.500**	**mg/L**	1	21-Apr-2025 11:49
Fluoride	**0.567**		**0.100**	**mg/L**	1	21-Apr-2025 11:49
Sulfate	**29.9**		**0.500**	**mg/L**	1	21-Apr-2025 11:49
TOTAL DISSOLVED SOLIDS BY SM2540C		**Method:M2540C**				Analyst: MH
Total Dissolved Solids (Residue, Filterable)	**368**		**10.0**	**mg/L**	1	21-Apr-2025 08:30

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Weight / Prep Log

Client: Sunflower Electric Power Corporation
Project: GW Sampling
WorkOrder: HS25040926

Batch ID: 227270 **Start Date:** 29 Apr 2025 10:30 **End Date:** 29 Apr 2025 10:30
Method: TOTAL METALS PREP BY E200.8, REV 5.4, 1994 **Prep Code:** 200.8PR

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS25040926-01		10 (mL)	10 (mL)	1	120 plastic HNO3
HS25040926-02		10 (mL)	10 (mL)	1	120 plastic HNO3
HS25040926-03		10 (mL)	10 (mL)	1	120 plastic HNO3
HS25040926-04		10 (mL)	10 (mL)	1	120 plastic HNO3
HS25040926-05		10 (mL)	10 (mL)	1	120 plastic HNO3
HS25040926-06		10 (mL)	10 (mL)	1	120 plastic HNO3

Client: Sunflower Electric Power Corporation
Project: GW Sampling
WorkOrder: HS25040926

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 227270 (0)	**Test Name :** TOTAL METALS BY E200.8, REV 5.4, 1994				**Matrix:** Water	
HS25040926-01	H1	16 Apr 2025 09:28		29 Apr 2025 10:30	30 Apr 2025 13:35	1
HS25040926-02	H2	16 Apr 2025 09:51		29 Apr 2025 10:30	30 Apr 2025 15:16	20
HS25040926-02	H2	16 Apr 2025 09:51		29 Apr 2025 10:30	30 Apr 2025 13:56	1
HS25040926-03	H3	16 Apr 2025 10:04		29 Apr 2025 10:30	30 Apr 2025 15:18	20
HS25040926-03	H3	16 Apr 2025 10:04		29 Apr 2025 10:30	30 Apr 2025 13:58	1
HS25040926-04	H4	16 Apr 2025 10:18		29 Apr 2025 10:30	30 Apr 2025 14:00	1
HS25040926-05	H5	16 Apr 2025 10:53		29 Apr 2025 10:30	30 Apr 2025 14:02	1
HS25040926-06	H6	16 Apr 2025 10:36		29 Apr 2025 10:30	30 Apr 2025 14:04	1
Batch ID: R511447 (0)	**Test Name :** TOTAL DISSOLVED SOLIDS BY SM2540C				**Matrix:** Water	
HS25040926-01	H1	16 Apr 2025 09:28			21 Apr 2025 08:30	1
HS25040926-02	H2	16 Apr 2025 09:51			21 Apr 2025 08:30	1
HS25040926-03	H3	16 Apr 2025 10:04			21 Apr 2025 08:30	1
HS25040926-04	H4	16 Apr 2025 10:18			21 Apr 2025 08:30	1
HS25040926-05	H5	16 Apr 2025 10:53			21 Apr 2025 08:30	1
HS25040926-06	H6	16 Apr 2025 10:36			21 Apr 2025 08:30	1
Batch ID: R511495 (0)	**Test Name :** ANIONS BY E300.0, REV 2.1, 1993				**Matrix:** Water	
HS25040926-01	H1	16 Apr 2025 09:28			21 Apr 2025 10:39	1
HS25040926-02	H2	16 Apr 2025 09:51			21 Apr 2025 12:06	20
HS25040926-02	H2	16 Apr 2025 09:51			21 Apr 2025 10:44	1
HS25040926-03	H3	16 Apr 2025 10:04			21 Apr 2025 12:35	20
HS25040926-03	H3	16 Apr 2025 10:04			21 Apr 2025 11:31	1
HS25040926-04	H4	16 Apr 2025 10:18			21 Apr 2025 12:41	5
HS25040926-04	H4	16 Apr 2025 10:18			21 Apr 2025 11:37	1
HS25040926-05	H5	16 Apr 2025 10:53			21 Apr 2025 12:47	5
HS25040926-05	H5	16 Apr 2025 10:53			21 Apr 2025 11:43	1
HS25040926-06	H6	16 Apr 2025 10:36			21 Apr 2025 11:49	1

Client: Sunflower Electric Power Corporation
Project: GW Sampling
WorkOrder: HS25040926

QC BATCH REPORT

Batch ID: 227270 (0) **Instrument: ICPMS06** **Method: TOTAL METALS BY E200.8, REV 5.4, 1994**

MBLK Sample ID: **MBLK-227270** Units: **ug/L** Analysis Date: **30-Apr-2025 13:31**
Client ID: Run ID: **ICPMS06_512193** SeqNo: **8807013** PrepDate: **29-Apr-2025** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Boron	ND	20.0								
Calcium	ND	500								

LCS Sample ID: **LCS-227270** Units: **ug/L** Analysis Date: **30-Apr-2025 13:33**
Client ID: Run ID: **ICPMS06_512193** SeqNo: **8807014** PrepDate: **29-Apr-2025** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Boron	487.9	20.0	500	0	97.6	85 - 115				
Calcium	5063	500	5000	0	101	85 - 115				

MS Sample ID: **HS25041299-02MS** Units: **ug/L** Analysis Date: **30-Apr-2025 13:46**
Client ID: Run ID: **ICPMS06_512193** SeqNo: **8807020** PrepDate: **29-Apr-2025** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Boron	506.6	20.0	500	30.42	95.2	70 - 130				
Calcium	93530	500	5000	89980	71.0	70 - 130				O

MS Sample ID: **HS25040926-01MS** Units: **ug/L** Analysis Date: **30-Apr-2025 13:37**
Client ID: **H1** Run ID: **ICPMS06_512193** SeqNo: **8807016** PrepDate: **29-Apr-2025** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Boron	530	20.0	500	40.12	98.0	70 - 130				
Calcium	49960	500	5000	44080	118	70 - 130				O

MSD Sample ID: **HS25041299-02MSD** Units: **ug/L** Analysis Date: **30-Apr-2025 13:48**
Client ID: Run ID: **ICPMS06_512193** SeqNo: **8807021** PrepDate: **29-Apr-2025** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Boron	526.3	20.0	500	30.42	99.2	70 - 130	506.6	3.82	20	
Calcium	93300	500	5000	89980	66.5	70 - 130	93530	0.241	20	SO

Client: Sunflower Electric Power Corporation
Project: GW Sampling
WorkOrder: HS25040926

QC BATCH REPORT

Batch ID: 227270 (0) **Instrument:** ICPMS06 **Method:** TOTAL METALS BY E200.8, REV 5.4, 1994

MSD Sample ID: **HS25040926-01MSD** Units: **ug/L** Analysis Date: **30-Apr-2025 13:39**
Client ID: **H1** Run ID: **ICPMS06_512193** SeqNo: **8807017** PrepDate: **29-Apr-2025** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Boron	533.9	20.0	500	40.12	98.8	70 - 130	530	0.733	20	
Calcium	49110	500	5000	44080	101	70 - 130	49960	1.7	20	O

The following samples were analyzed in this batch: HS25040926-01 HS25040926-02 HS25040926-03 HS25040926-04 HS25040926-05 HS25040926-06

Client: Sunflower Electric Power Corporation
Project: GW Sampling
WorkOrder: HS25040926

QC BATCH REPORT

Batch ID: R511447 (0) **Instrument: Balance1** **Method: TOTAL DISSOLVED SOLIDS BY SM2540C**

MBLK Sample ID: **WMBLK-0421025** Units: **mg/L** Analysis Date: **21-Apr-2025 08:30**
Client ID: Run ID: **Balance1_511447** SeqNo: **8790830** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Total Dissolved Solids (Residue, Filterable)	ND	10.0								

LCS Sample ID: **WLCS-04212025** Units: **mg/L** Analysis Date: **21-Apr-2025 08:30**
Client ID: Run ID: **Balance1_511447** SeqNo: **8790829** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Total Dissolved Solids (Residue, Filterable)	968	10.0	1000	0	96.8	85 - 115				

DUP Sample ID: **HS25040926-06 DUP** Units: **mg/L** Analysis Date: **21-Apr-2025 08:30**
Client ID: **H6** Run ID: **Balance1_511447** SeqNo: **8790828** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Total Dissolved Solids (Residue, Filterable)	348	10.0					368	5.59	20	

DUP Sample ID: **HS25040589-08 DUP** Units: **mg/L** Analysis Date: **21-Apr-2025 08:30**
Client ID: Run ID: **Balance1_511447** SeqNo: **8790812** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Total Dissolved Solids (Residue, Filterable)	1644	10.0					1600	2.71	20	

The following samples were analyzed in this batch: HS25040926-01 HS25040926-02 HS25040926-03 HS25040926-04 HS25040926-05 HS25040926-06

Client: Sunflower Electric Power Corporation
Project: GW Sampling
WorkOrder: HS25040926

QC BATCH REPORT

Batch ID: R511495 (0) **Instrument:** ICS-Integrion **Method:** ANIONS BY E300.0, REV 2.1, 1993

MBLK Sample ID: **MBLK** Units: **mg/L** Analysis Date: **21-Apr-2025 09:14**
Client ID: Run ID: **ICS-Integrion_511495** SeqNo: **8791950** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	ND	0.500								
Fluoride	ND	0.100								
Sulfate	ND	0.500								

LCS Sample ID: **LCS** Units: **mg/L** Analysis Date: **21-Apr-2025 09:26**
Client ID: Run ID: **ICS-Integrion_511495** SeqNo: **8791951** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	18.24	0.500	20	0	91.2	90 - 110				
Fluoride	4.226	0.100	4	0	106	90 - 110				
Sulfate	18.96	0.500	20	0	94.8	90 - 110				

MS Sample ID: **HS25040976-03MS** Units: **mg/L** Analysis Date: **21-Apr-2025 11:19**
Client ID: Run ID: **ICS-Integrion_511495** SeqNo: **8791963** PrepDate: DF: **20**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	751.3	10.0	200	546.3	102	80 - 120				
Fluoride	49.69	2.00	40	3.098	116	80 - 120				
Sulfate	453.7	10.0	200	240.2	107	80 - 120				

MS Sample ID: **HS25040926-01MS** Units: **mg/L** Analysis Date: **21-Apr-2025 11:54**
Client ID: **H1** Run ID: **ICS-Integrion_511495** SeqNo: **8791969** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	17.47	0.500	10	6.33	111	80 - 120				
Fluoride	2.903	0.100	2	0.5618	117	80 - 120				
Sulfate	48.68	0.500	10	37.87	108	80 - 120				

Client: Sunflower Electric Power Corporation
Project: GW Sampling
WorkOrder: HS25040926

QC BATCH REPORT

Batch ID: R511495 (0) **Instrument:** ICS-Integrion **Method:** ANIONS BY E300.0, REV 2.1, 1993

MSD Sample ID: **HS25040976-03MSD** Units: **mg/L** Analysis Date: **21-Apr-2025 11:25**
Client ID: Run ID: **ICS-Integrion_511495** SeqNo: **8791964** PrepDate: DF: **20**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	748.5	10.0	200	546.3	101	80 - 120	751.3	0.371	20	
Fluoride	49.72	2.00	40	3.098	117	80 - 120	49.69	0.0644	20	
Sulfate	450.7	10.0	200	240.2	105	80 - 120	453.7	0.657	20	

MSD Sample ID: **HS25040926-01MSD** Units: **mg/L** Analysis Date: **21-Apr-2025 12:00**
Client ID: **H1** Run ID: **ICS-Integrion_511495** SeqNo: **8791970** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	17.51	0.500	10	6.33	112	80 - 120	17.47	0.229	20	
Fluoride	2.878	0.100	2	0.5618	116	80 - 120	2.903	0.841	20	
Sulfate	48.59	0.500	10	37.87	107	80 - 120	48.68	0.184	20	

The following samples were analyzed in this batch: HS25040926-01 HS25040926-02 HS25040926-03 HS25040926-04 HS25040926-05 HS25040926-06

Client: Sunflower Electric Power Corporation
Project: GW Sampling
WorkOrder: **HS25040926**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL/SDL

Acronym	Description
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arizona	AZ0793	27-May-2026
Arkansas	88-00356_2024	17-Mar-2026
Dept of Defense	L24-239	30-Apr-2026
Dept of Defense	L24-240	30-Apr-2026
Florida	E87611-38	30-Jun-2025
Illinois	2000322023-11	31-Jul-2025
Kansas	E-10352 2023-2024	31-Jul-2025
Louisiana	03087 2023-2024	30-Jun-2025
Maine	2024017	23-Jun-2026
Minnesota	2856348	31-Dec-2025
Missouri	136	30-Sep-2026
New Hampshire	209425	24-Apr-2026
New Jersey	TX008	30-Jun-2025
North Carolina	624 - 2024	31-Dec-2025
North Dakota	R-193 2023-2024	30-Sep-2025
Oklahoma	2023-140	31-Aug-2025
Pennsylvania	018	30-Jun-2025
Tennessee	TN	30-Apr-2026
Texas	T104704231 TX-C24-00130	30-Apr-2026
Utah	TX026932023-14	31-Jul-2025

Sample Receipt Checklist

Work Order ID: HS25040926 **Date/Time Received:** 17-Apr-2025 08:50

Client Name: Sunflower EPC **Received by:** Belinda Gomez

Completed By: /S/ Si Ma (eSignature) 17-Apr-2025 16:58 (Date/Time) **Reviewed by:** /S/ Jessica Monfore (eSignature) 20-Apr-2025 23:55 (Date/Time)

Matrices: **WATER** Carrier name: **FedEx Priority Overnight**

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
VOA/TX1005/TX1006 Solids in hermetically sealed vials?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	1 Page(s)
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	COC IDs:333532
Samplers name present on COC?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	0.7UC/0.7C	IR34	
Cooler(s)/Kit(s):	53050		
Date/Time sample(s) sent to storage:	04/17/2025 16:59		
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐
pH adjusted?	Yes ☐	No ☑	N/A ☐
pH adjusted by:			

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

Corrective Action:

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Fort Collins, CO +1 970 490 1511
Everett, WA +1 425 356 2600
Holland, MI +1 616 399 6070

Chain of Custody Form

Page 1 of 1

COC ID: 333532

HS25040926

Sunflower Electric Power Corporation
GW Sampling

ALS Project Manager:

Customer Information		Project Information			
Purchase Order		Project Name	GW Sampling	A	200.8 (Total B, Ca)
Work Order		Project Number		B	300_W (Cl, F, SO4)
Company Name	Sunflower Electric Power Corporat	Bill To Company	Sunflower Electric Power Corporat	C	TDS_W 2540C (TDS)
Send Report To	Kandi George	Invoice Attn	Kandi George	D	
Address	2440 Holcomb Power	Address	2440 Holcomb Power	E	
				F	
City/State/Zip	Holcomb, KS 67851	City/State/Zip	Holcomb KS 67851	G	
Phone		Phone	620-277-4784	H	
Fax		Fax		I	
e-Mail Address	kgeorge@sunflower.net	e-Mail Address	kgeorge@sunflower.net	J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	H1	04/16/2025	09:28A	W	2	2	X	X	X								
2	H2	04/16/2025	09:51A	W	2	2	X	X	X								
3	H3	04/16/2025	10:04A	W	2	2	X	X	X								
4	H4	04/16/2025	10:18A	W	2	2	X	X	X								
5	H5	04/16/2025	10:53A	W	2	2	X	X	X								
6	H6	04/16/2025	10:36A	W	2	2	X	X	X								
7																	
8																	
9																	
10																	

Sampler(s) Please Print & Sign: Kandi George Kandi George

Shipment Method:

Required Turnaround Time: (Check Box) [ ] Other [X] STD 10 Wk Days [ ] 5 Wk Days [ ] 2 Wk Days [ ] 24 Hour

Results Due Date:

Relinquished by:	Date:	Time:	Received by:
Kandi George	4/16/2025	5:00p	
Relinquished by:	Date:	Time:	Received by (Laboratory): 4/17/25 0850
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):

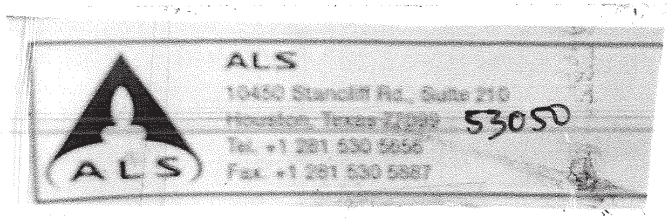
Notes: Sunflower General Pricing

Cooler ID	Cooler Temp.
JR34	0.7
530250	

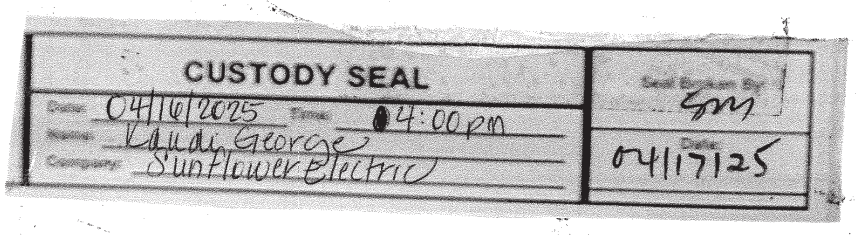
QC Package: (Check One Box Below)
[X] Level II Std QC
[ ] Level III Std QC/Raw Data
[ ] Level IV SW/846/CLP
[ ] Other
[ ] **RRP Checklist
[ ] **RRP Level IV

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.



53050 APR 17 2025

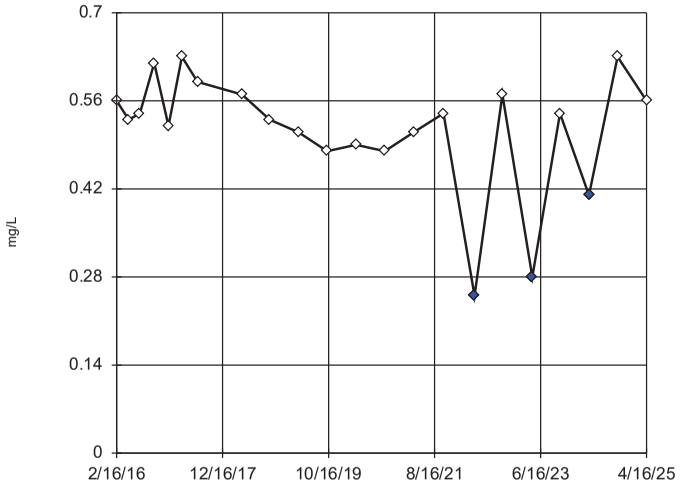


ATTACHMENT 4

STATISTICAL ANALYSIS

EPA 1989 Outlier Screening

H-1



n = 22

Statistical outliers are drawn as solid.
Mean 0.5155, std. dev. 0.0964, critical Tn 2.603. After removing suspect data: mean 0.5281, std. dev. 0.07789, Tn 2.58, mean 0.5405, std. dev. 0.05463, Tn 2.557; mean 0.5474, std. dev. 0.04641, Tn 2.532.

Normality test used:
Shapiro Wilk@alpha = 0.05
Calculated = 0.9429
Critical = 0.901
The distribution, after removal of suspect values, was found to be normally distributed.

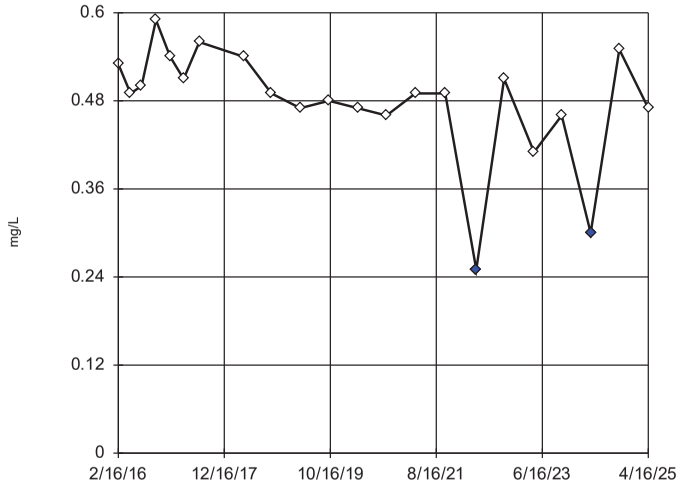
Constituent: Fluoride Analysis Run 12/17/2025 11:05 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Sanitas™ v.10.1.02 Software licensed to Allied Environmental Consultants, Inc. EPA

EPA 1989 Outlier Screening

H-5



n = 22

Statistical outliers are drawn as solid.
Mean 0.48, std. dev. 0.07777, critical Tn 2.603. After removing suspect data: mean 0.491, std. dev. 0.05983, Tn 2.58; mean 0.5005, std. dev. 0.04186, Tn 2.557.

Normality test used:
Shapiro Wilk@alpha = 0.05
Calculated = 0.9698
Critical = 0.905
The distribution, after removal of suspect values, was found to be normally distributed.

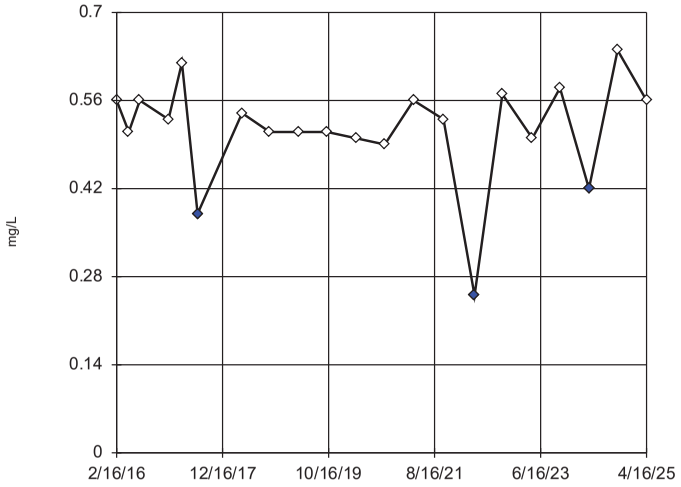
Constituent: Fluoride Analysis Run 12/17/2025 11:05 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Sanitas™ v.10.1.02 Software licensed to Allied Environmental Consultants, Inc. EPA

EPA 1989 Outlier Screening

H-6



n = 21

Statistical outliers are drawn as solid.
Mean 0.5157, std. dev. 0.08418, critical Tn 2.58. After removing suspect data: mean 0.529, std. dev. 0.05964, Tn 2.557; mean 0.5368, std. dev. 0.04956, Tn 2.532; mean 0.5433, std. dev. 0.04187, Tn 2.504.

Normality test used:
Shapiro Wilk@alpha = 0.05
Calculated = 0.9099
Critical = 0.897
The distribution, after removal of suspect values, was found to be normally distributed.

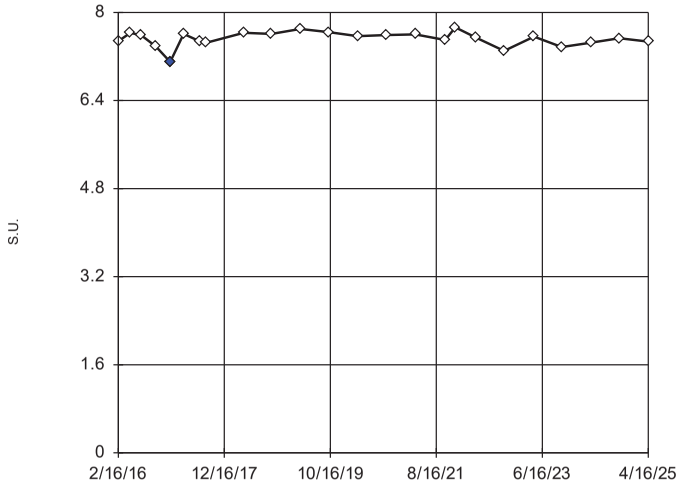
Constituent: Fluoride Analysis Run 12/17/2025 11:05 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Sanitas™ v.10.1.02 Software licensed to Allied Environmental Consultants, Inc. EPA

EPA 1989 Outlier Screening

H-5



n = 24

Statistical outlier is drawn as solid.
Mean 7.521, std. dev. 0.1373, critical Tn 2.644. After removing suspect data: mean 7.539, std. dev. 0.1063, Tn 2.624.

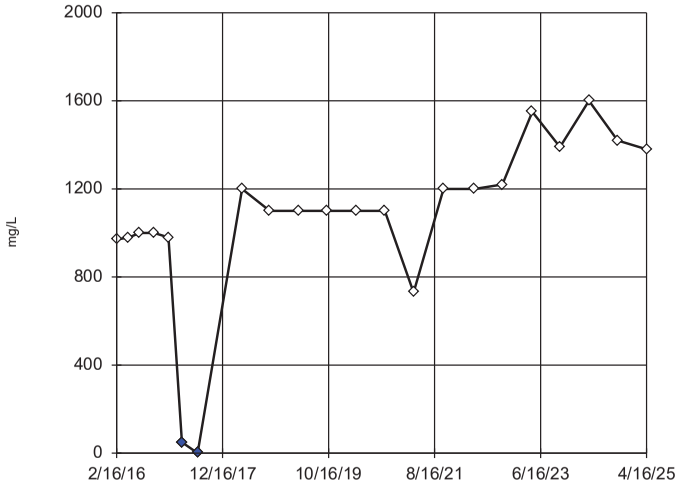
Normality test used:
Shapiro Wilk@alpha = 0.05
Calculated = 0.9755
Critical = 0.914
The distribution, after removal of suspect value, was found to be normally distributed.

Constituent: pH Analysis Run 12/17/2025 11:05 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

EPA 1989 Outlier Screening

H-3 (bg)



n = 22

Statistical outliers are drawn as solid.
Mean 1062, std. dev. 393.1, critical Tn 2.603. After removing suspect data: mean 1113, std. dev. 321.2, Tn 2.58; mean 1166, std. dev. 214.9, Tn 2.557.

Normality test used:
Shapiro Wilk@alpha = 0.05
Calculated = 0.9467
Critical = 0.905
The distribution, after removal of suspect values, was found to be normally distributed.

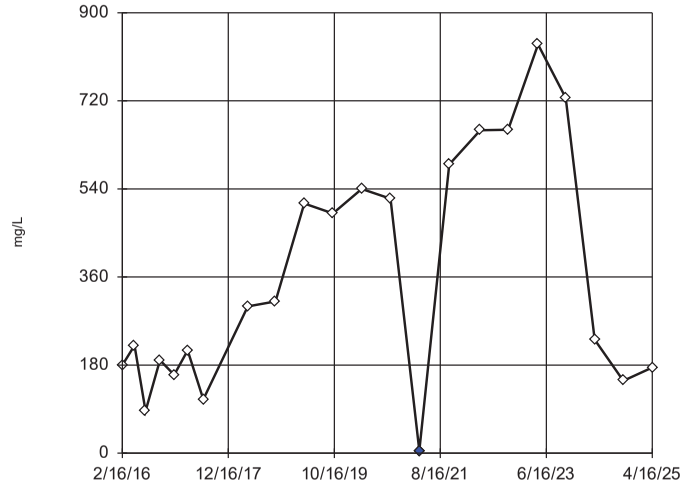
Constituent: Sulfate Analysis Run 12/17/2025 11:05 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Sanitas™ v.10.1.02 Software licensed to Allied Environmental Consultants, Inc. EPA

EPA 1989 Outlier Screening

H-4 (bg)



n = 22

Statistical outlier is drawn as solid.
Mean 357.2, std. dev. 238.9, critical Tn 2.603. After removing suspect data: mean 374, std. dev. 231.2, Tn 2.58.

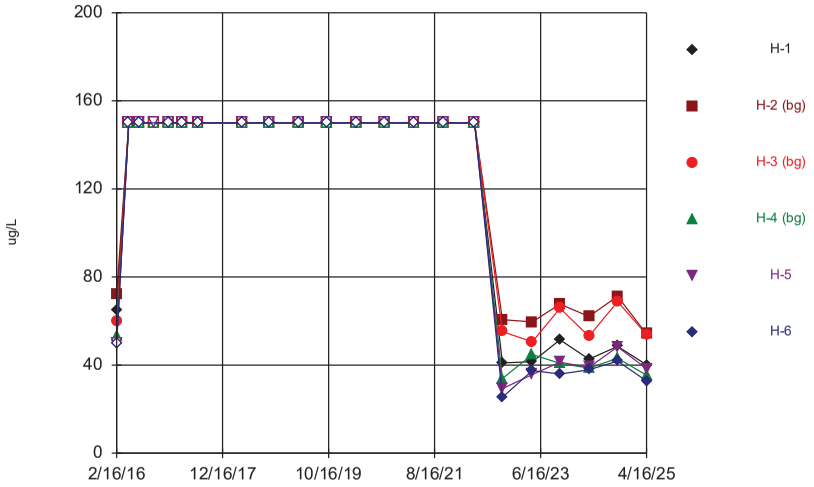
Normality test used:
Shapiro Wilk@alpha = 0.05
Calculated = 0.9376
Critical = 0.908 (after natural log transformation)
The distribution, after removal of suspect value, was found to be log-normal.

Constituent: Sulfate Analysis Run 12/17/2025 11:05 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Sanitas™ v.10.1.02 Software licensed to Allied Environmental Consultants, Inc. EPA
Hollow symbols indicate censored values.

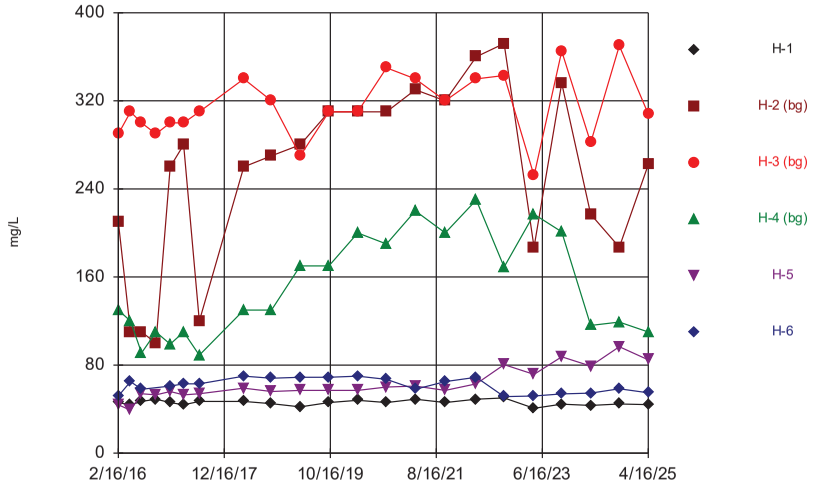
Time Series



Constituent: Boron And Borates Only Analysis Run 12/17/2025 12:22 PM
Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Sanitas™ v.10.1.02 Software licensed to Allied Environmental Consultants, Inc. EPA

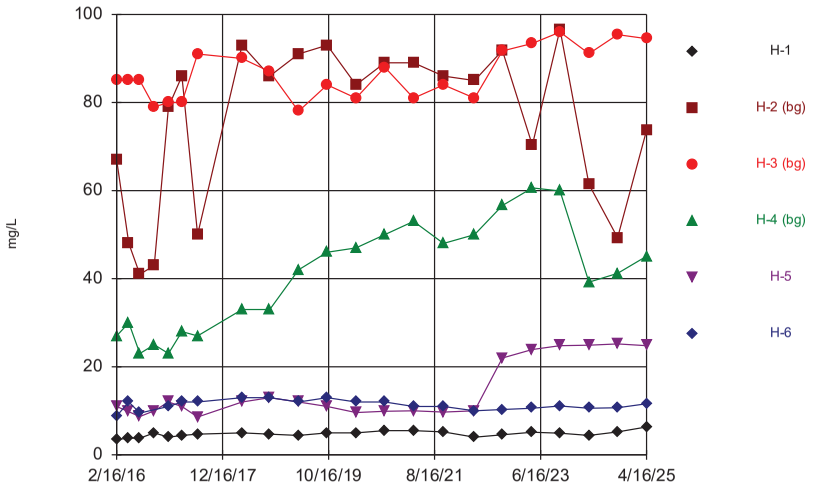
Time Series



Constituent: Calcium Analysis Run 12/17/2025 12:22 PM
Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Sanitas™ v.10.1.02 Software licensed to Allied Environmental Consultants, Inc. EPA

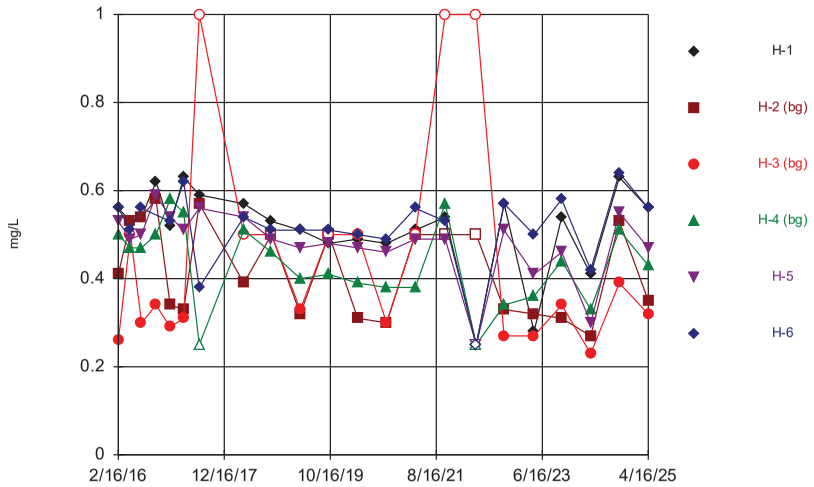
Time Series



Constituent: Chloride Analysis Run 12/17/2025 12:22 PM
Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

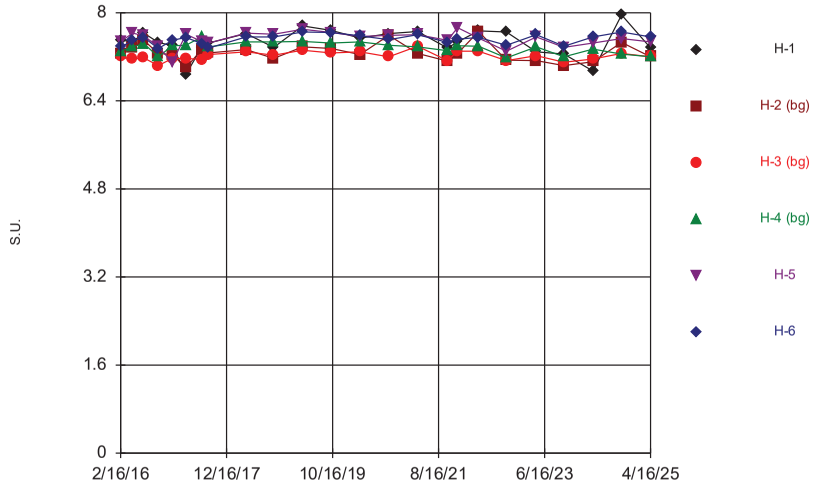
Sanitas™ v.10.1.02 Software licensed to Allied Environmental Consultants, Inc. EPA
Hollow symbols indicate censored values.

Time Series



Constituent: Fluoride Analysis Run 12/17/2025 12:22 PM
Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Time Series

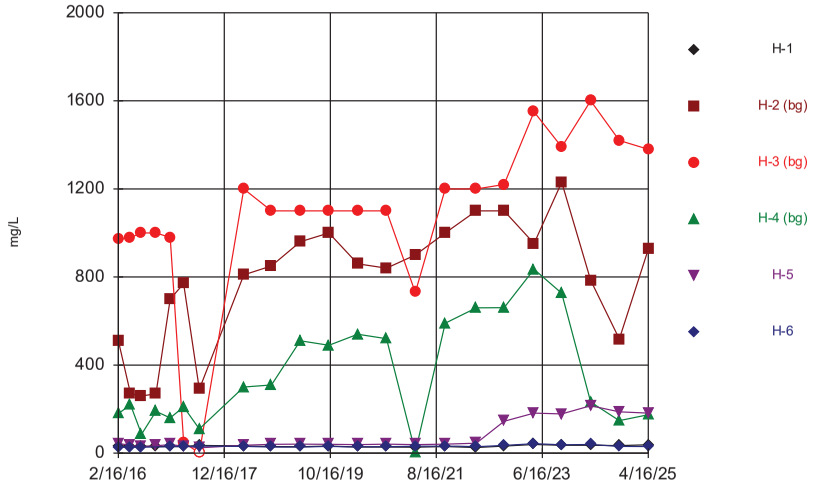


Constituent: pH Analysis Run 12/17/2025 12:22 PM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Hollow symbols indicate censored values.

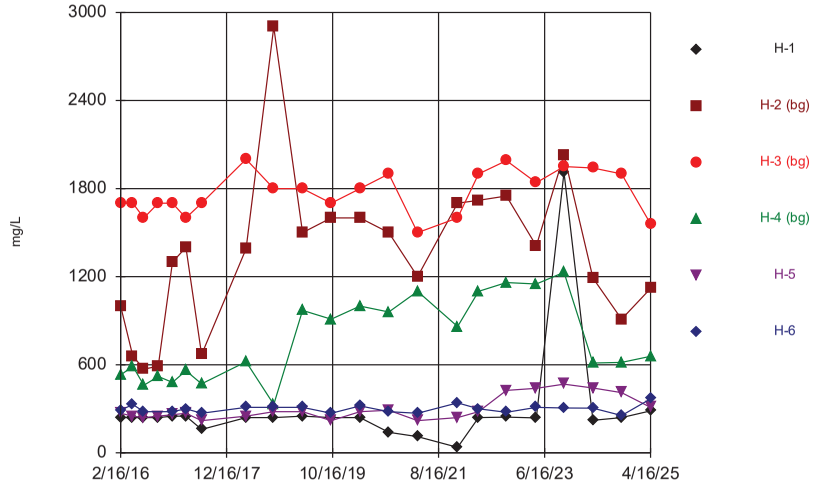
Time Series



Constituent: Sulfate Analysis Run 12/17/2025 12:22 PM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Time Series

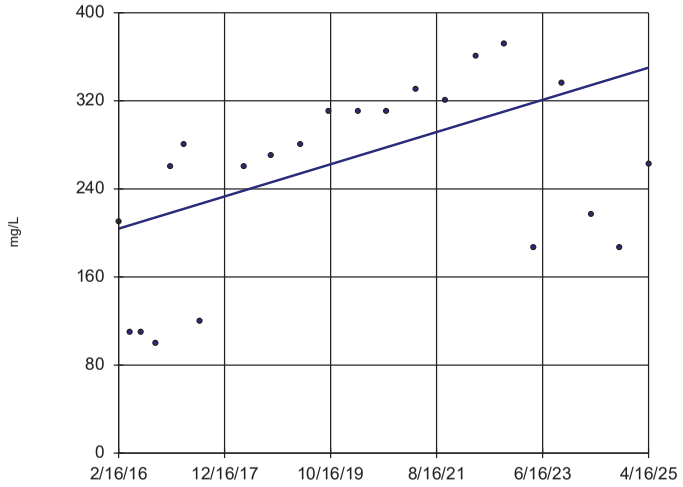


Constituent: Total Dissolved Solids Analysis Run 12/17/2025 12:22 PM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Sen's Slope Estimator

H-2 (bg)



n = 22

Slope = 15.94 units per year.

Mann-Kendall statistic = 94 critical = 84

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Calcium Analysis Run 12/17/2025 11:55 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

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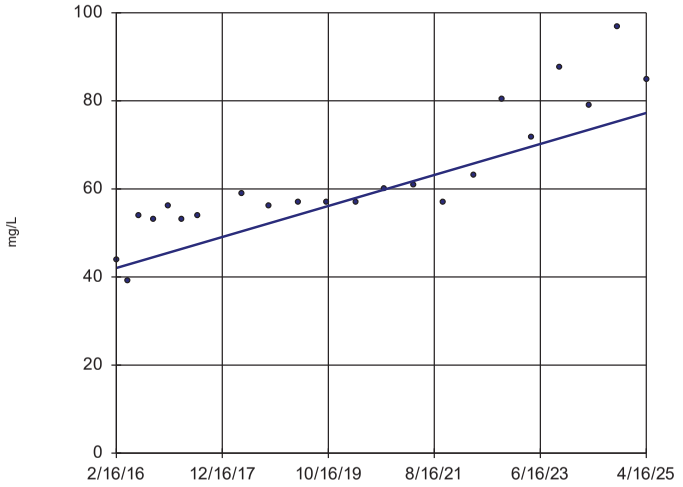
Sen's Slope Estimator

H-5



n = 22

Slope = 3.838 units per year.

Mann-Kendall statistic = 188 critical = 84

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

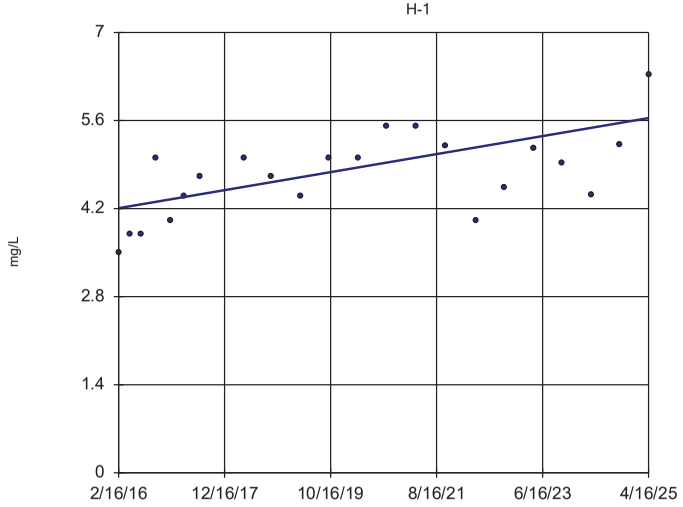
Constituent: Calcium Analysis Run 12/17/2025 11:56 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Sanitas™ v.10.1.02 Software licensed to Allied Environmental Consultants, Inc. EPA

Sen's Slope Estimator

H-1



n = 22

Slope = 0.1561 units per year.

Mann-Kendall statistic = 108 critical = 84

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

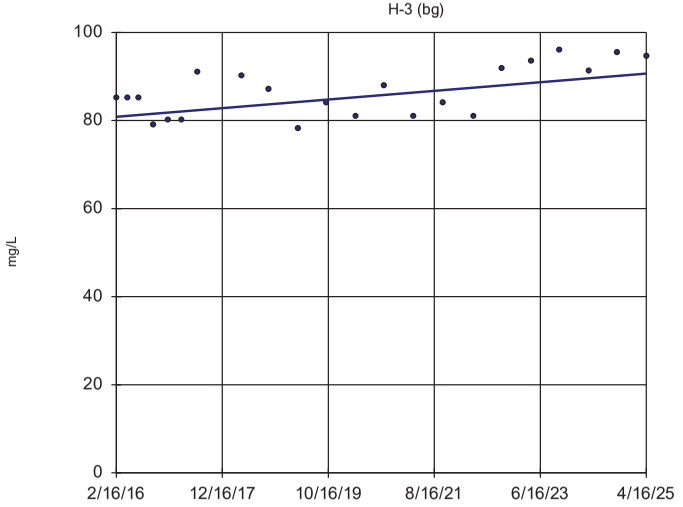
Constituent: Chloride Analysis Run 12/17/2025 11:56 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Sanitas™ v.10.1.02 Software licensed to Allied Environmental Consultants, Inc. EPA

Sen's Slope Estimator

H-3 (bg)



n = 22

Slope = 1.068 units per year.

Mann-Kendall statistic = 91 critical = 84

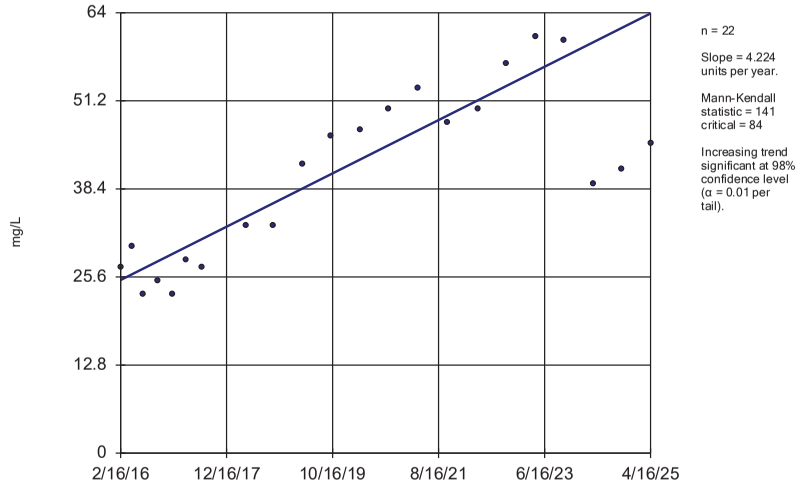
Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Chloride Analysis Run 12/17/2025 11:56 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Sen's Slope Estimator

H-4 (bg)



n = 22

Slope = 4.224 units per year.

Mann-Kendall statistic = 141
critical = 84

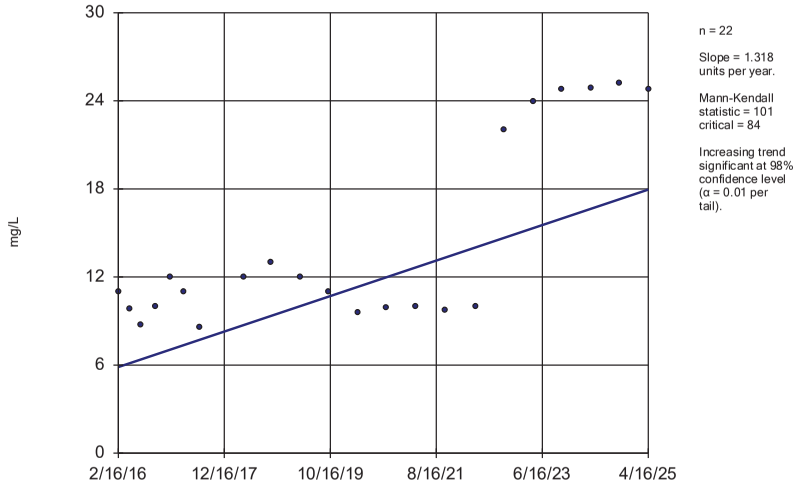
Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Chloride Analysis Run 12/17/2025 11:56 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Sen's Slope Estimator

H-5



n = 22

Slope = 1.318 units per year.

Mann-Kendall statistic = 101
critical = 84

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

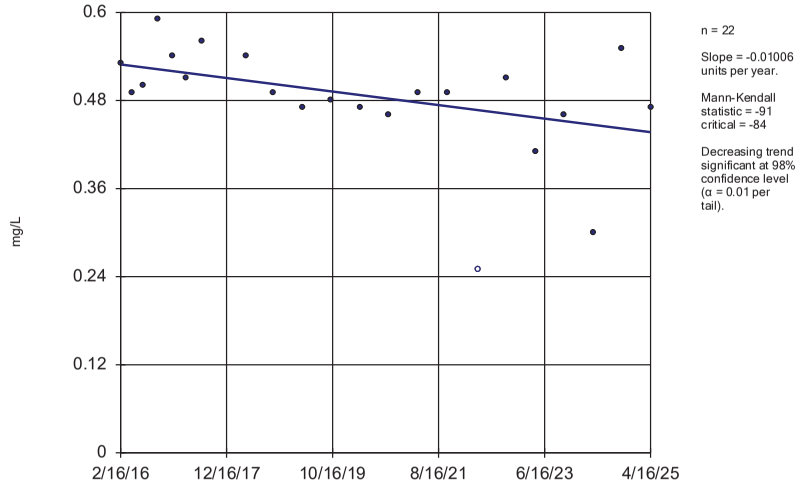
Constituent: Chloride Analysis Run 12/17/2025 11:56 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Hollow symbols indicate censored values.

Sen's Slope Estimator

H-5



n = 22

Slope = -0.01006 units per year.

Mann-Kendall statistic = -91
critical = -84

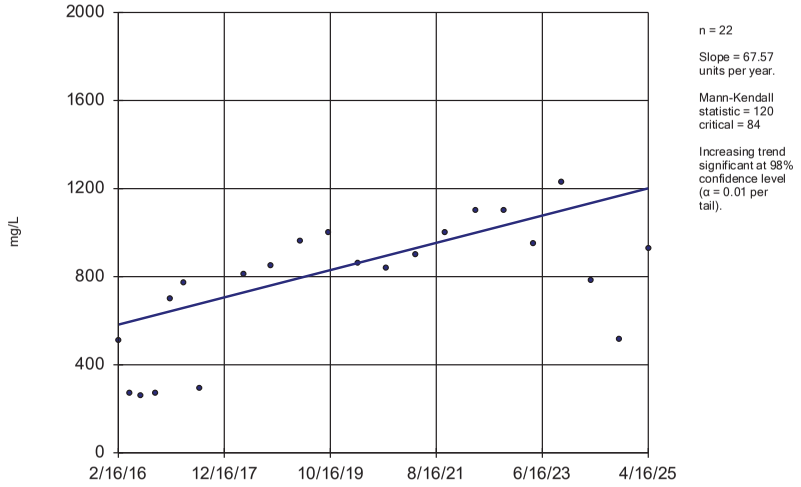
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Fluoride Analysis Run 12/17/2025 11:56 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Sen's Slope Estimator

H-2 (bg)



n = 22

Slope = 67.57 units per year.

Mann-Kendall statistic = 120
critical = 84

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

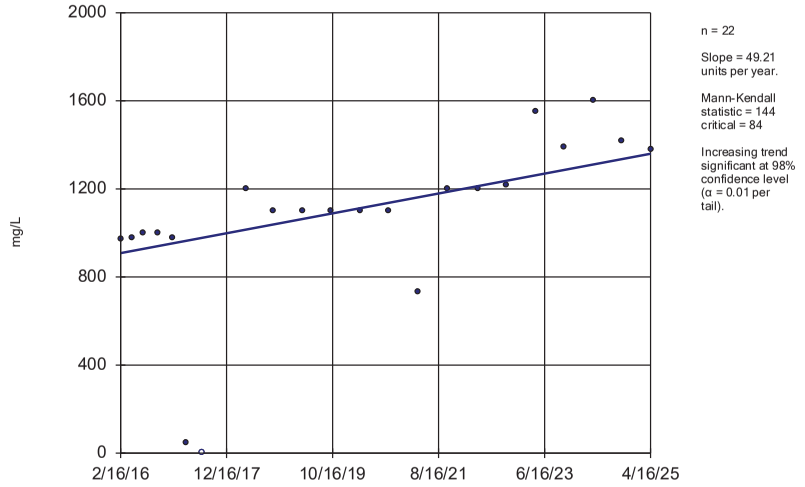
Constituent: Sulfate Analysis Run 12/17/2025 11:56 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Hollow symbols indicate censored values.

Sen's Slope Estimator

H-3 (bg)



n = 22

Slope = 49.21 units per year.

Mann-Kendall statistic = 144
critical = 84

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Sulfate Analysis Run 12/17/2025 11:56 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

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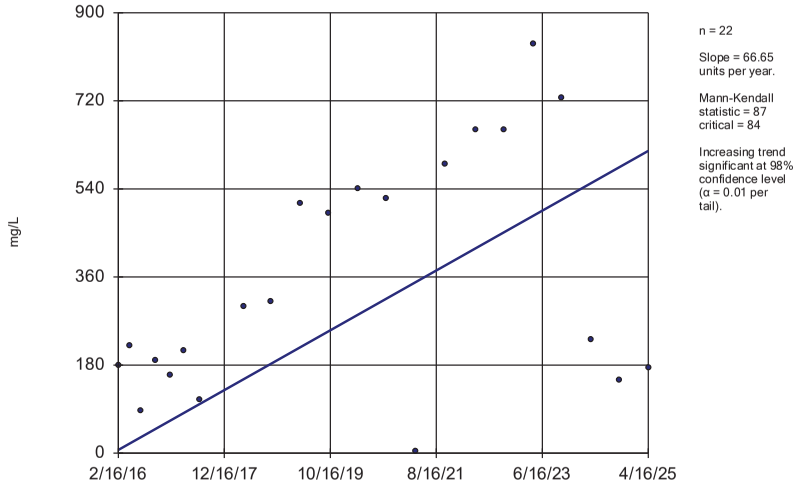
Sen's Slope Estimator

H-4 (bg)



n = 22

Slope = 66.65 units per year.

Mann-Kendall statistic = 87
critical = 84

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

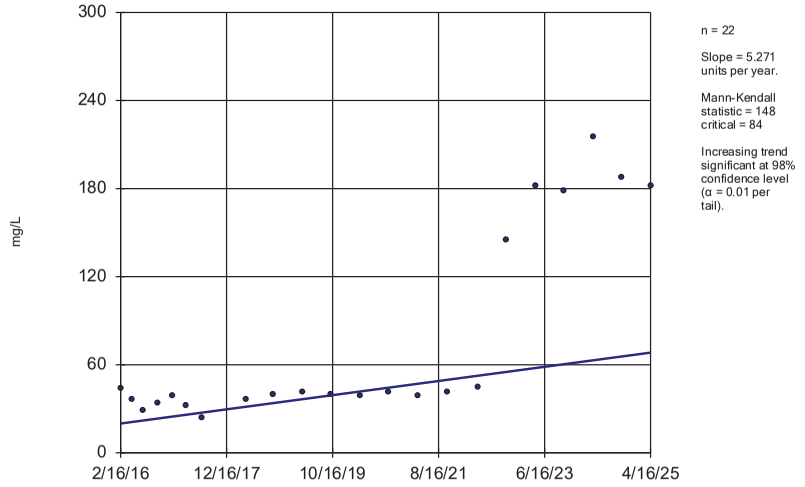
Constituent: Sulfate Analysis Run 12/17/2025 11:56 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Sanitas™ v.10.1.02 Software licensed to Allied Environmental Consultants, Inc. EPA

Sen's Slope Estimator

H-5



n = 22

Slope = 5.271 units per year.

Mann-Kendall statistic = 148
critical = 84

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

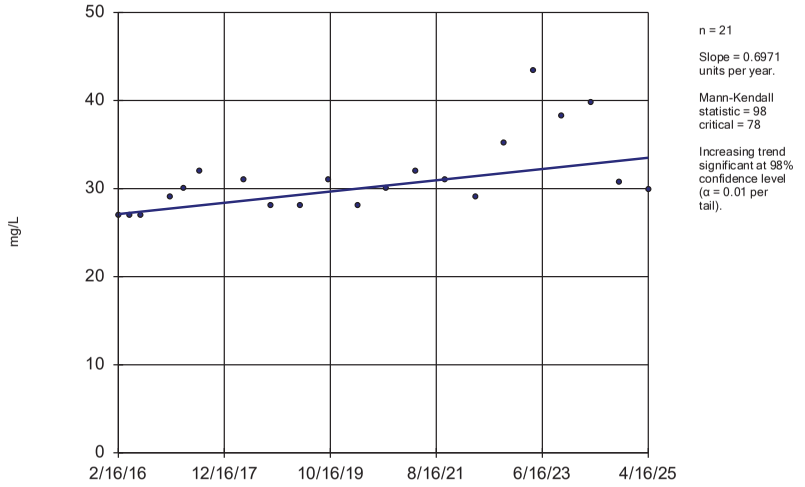
Constituent: Sulfate Analysis Run 12/17/2025 11:56 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Sanitas™ v.10.1.02 Software licensed to Allied Environmental Consultants, Inc. EPA

Sen's Slope Estimator

H-6



n = 21

Slope = 0.6971 units per year.

Mann-Kendall statistic = 98
critical = 78

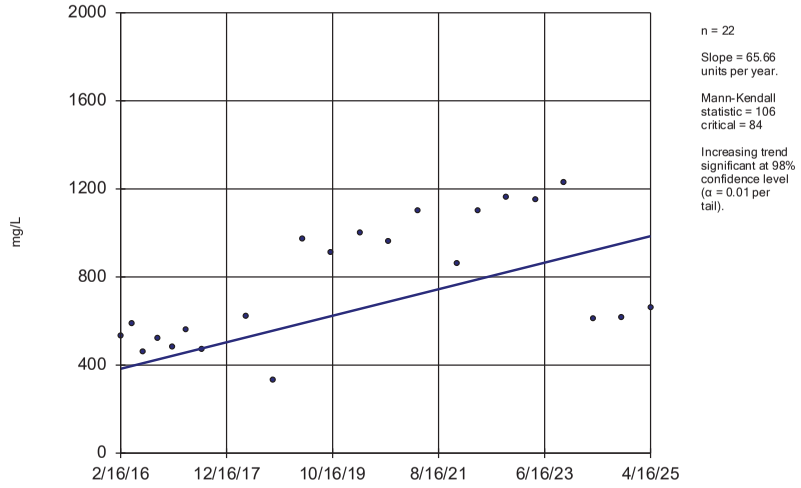
Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Sulfate Analysis Run 12/17/2025 11:56 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Sen's Slope Estimator

H-4 (bg)



n = 22

Slope = 65.66 units per year.

Mann-Kendall statistic = 106 critical = 84

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

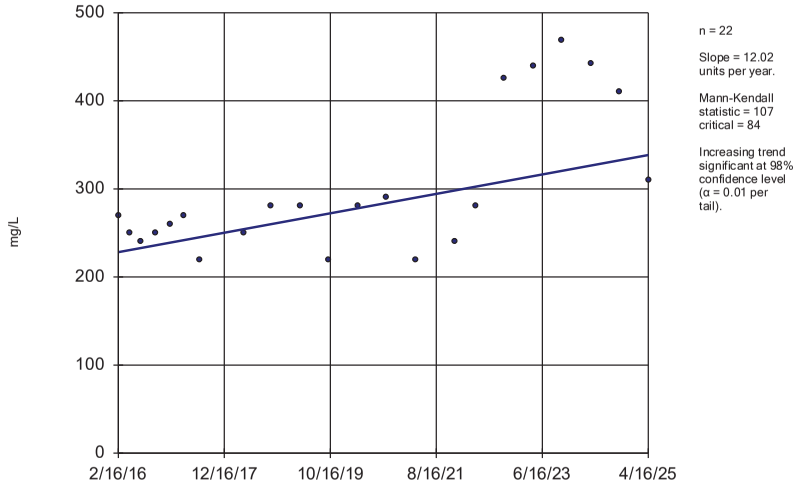
Constituent: Total Dissolved Solids Analysis Run 12/17/2025 11:56 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Sanitas™ v.10.1.02 Software licensed to Allied Environmental Consultants, Inc. EPA

Sen's Slope Estimator

H-5



n = 22

Slope = 12.02 units per year.

Mann-Kendall statistic = 107 critical = 84

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Total Dissolved Solids Analysis Run 12/17/2025 11:56 AM

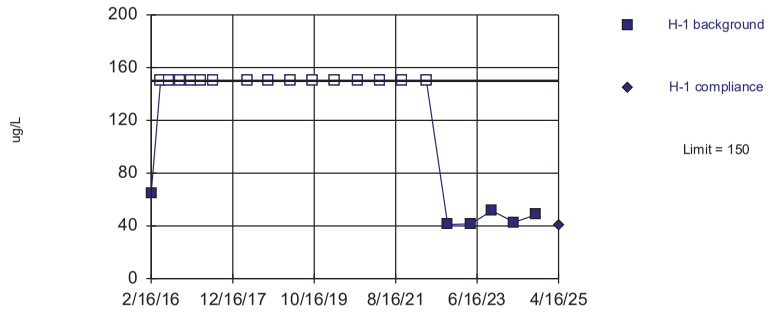
Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric

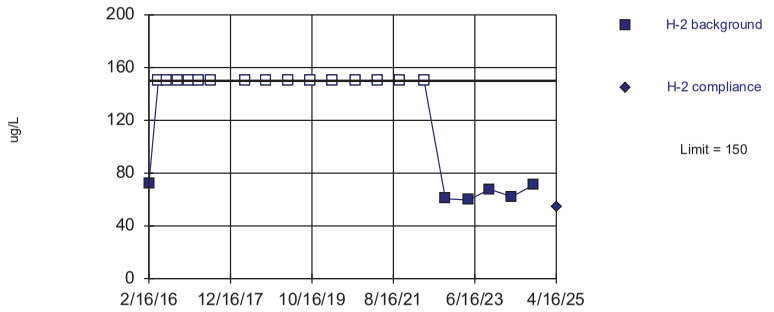


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 71.43% NDs. Report alpha = 0.04545. Most recent point compared to limit. Insufficient data to test for seasonality: data were not deseasonalized.

Constituent: Boron And Borates Only Analysis Run 12/17/2025 11:40 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Sanitas™ v.10.1.02 Software licensed to Allied Environmental Consultants, Inc. EPA
Hollow symbols indicate censored values.
Within Limit
Prediction Limit
Intrawell Non-parametric

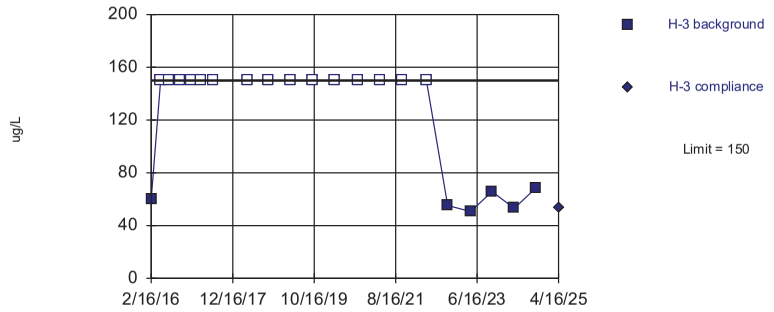


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 71.43% NDs. Report alpha = 0.04545. Most recent point compared to limit. Insufficient data to test for seasonality: data were not deseasonalized.

Constituent: Boron And Borates Only Analysis Run 12/17/2025 11:40 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Sanitas™ v.10.1.02 Software licensed to Allied Environmental Consultants, Inc. EPA
Hollow symbols indicate censored values.
Within Limit
Prediction Limit
Intrawell Non-parametric

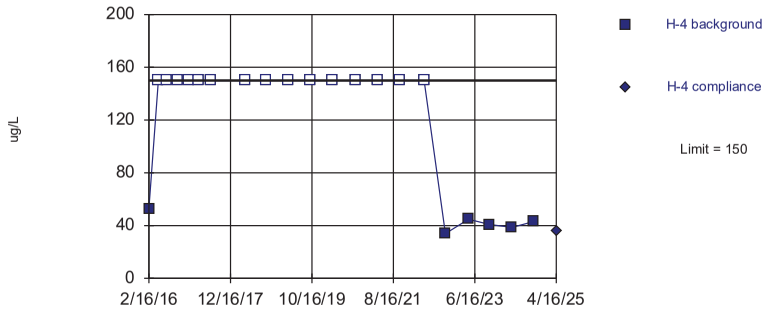


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 71.43% NDs. Report alpha = 0.04545. Most recent point compared to limit. Insufficient data to test for seasonality: data were not deseasonalized.

Constituent: Boron And Borates Only Analysis Run 12/17/2025 11:40 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Sanitas™ v.10.1.02 Software licensed to Allied Environmental Consultants, Inc. EPA
Hollow symbols indicate censored values.
Within Limit
Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 71.43% NDs. Report alpha = 0.04545. Most recent point compared to limit. Insufficient data to test for seasonality: data were not deseasonalized.

Constituent: Boron And Borates Only Analysis Run 12/17/2025 11:40 AM

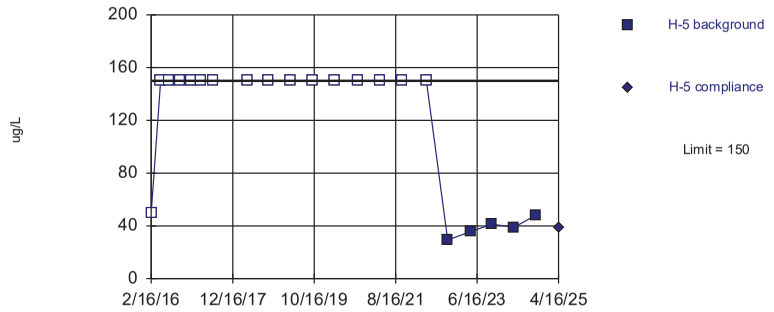
Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 76.19% NDs. Report alpha = 0.04545. Most recent point compared to limit. Insufficient data to test for seasonality: data were not deseasonalized.

Constituent: Boron And Borates Only Analysis Run 12/17/2025 11:40 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

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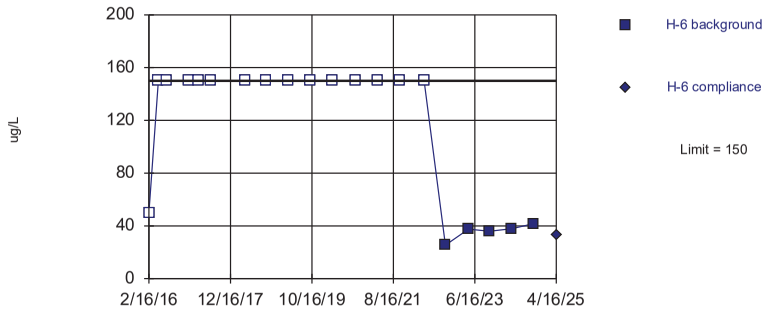
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 75% NDs. Report alpha = 0.04762. Most recent point compared to limit. Insufficient data to test for seasonality: data were not deseasonalized.

Constituent: Boron And Borates Only Analysis Run 12/17/2025 11:40 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

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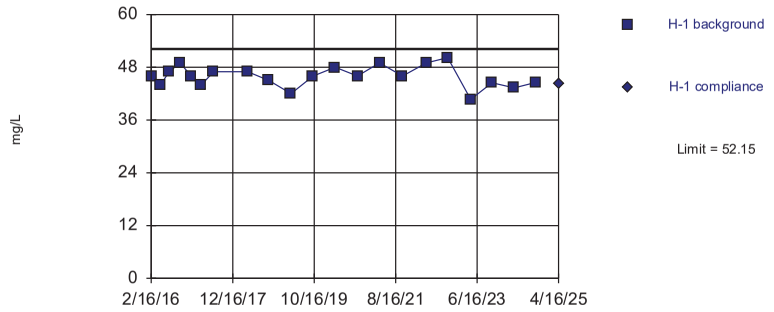
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=45.92, Std. Dev.=2.409, n=21. Insufficient data to test for seasonality: data were not deseasonalized. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9745, critical = 0.908. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Calcium Analysis Run 12/17/2025 11:40 AM

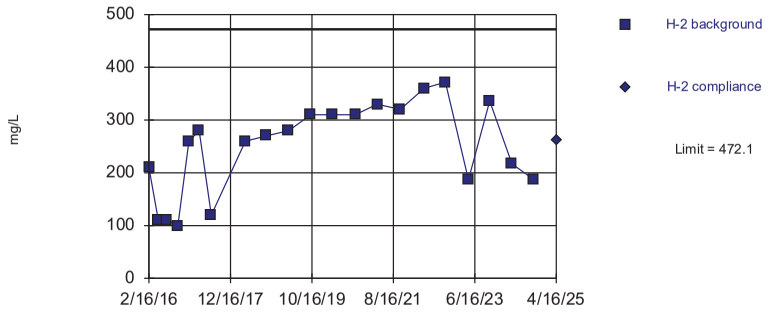
Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Sanitas™ v.10.1.02 Software licensed to Allied Environmental Consultants, Inc. EPA

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=249.5, Std. Dev.=86.05, n=21. Insufficient data to test for seasonality: data were not deseasonalized. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9192, critical = 0.908. Report alpha = 0.01. Most recent point compared to limit.

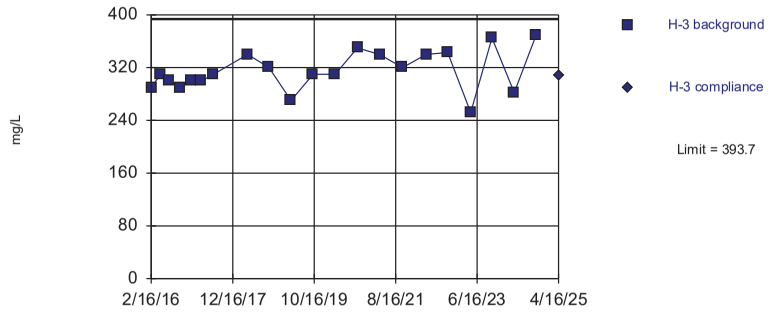
Constituent: Calcium Analysis Run 12/17/2025 11:40 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=314.9, Std. Dev.=30.47, n=21. Insufficient data to test for seasonality: data were not deseasonalized. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9756, critical = 0.908. Report alpha = 0.01. Most recent point compared to limit.

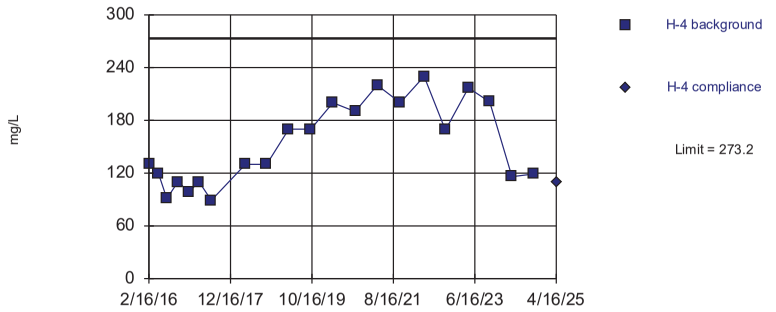
Constituent: Calcium Analysis Run 12/17/2025 11:40 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=152.9, Std. Dev.=46.47, n=21. Insufficient data to test for seasonality: data were not deseasonalized. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9127, critical = 0.908. Report alpha = 0.01. Most recent point compared to limit.

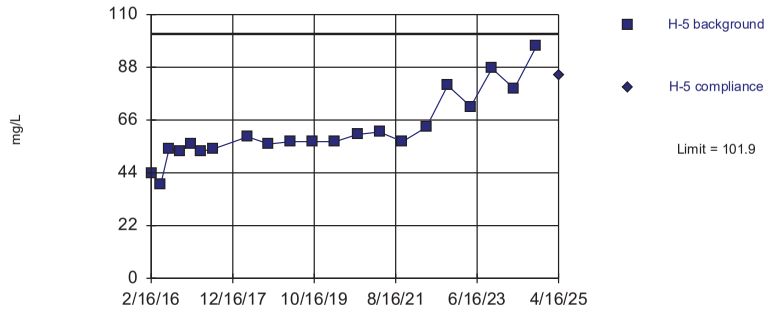
Constituent: Calcium Analysis Run 12/17/2025 11:40 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on cube root transformation): Mean=3.931, Std. Dev.=0.2857, n=21. Insufficient data to test for seasonality: data were not deseasonalized. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9089, critical = 0.908. Report alpha = 0.01. Most recent point compared to limit.

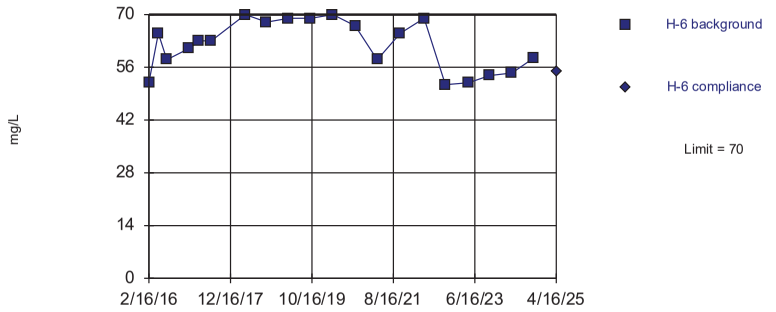
Constituent: Calcium Analysis Run 12/17/2025 11:40 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.05 alpha level. Limit is highest of 20 background values. Report alpha = 0.04762. Most recent point compared to limit. Insufficient data to test for seasonality: data were not deseasonalized.

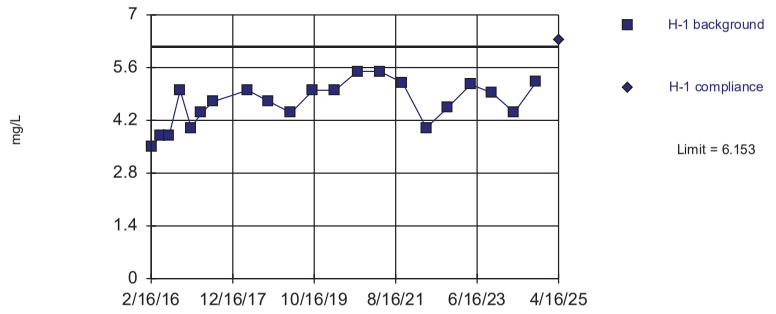
Constituent: Calcium Analysis Run 12/17/2025 11:40 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Exceeds Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=4.655, Std. Dev.=0.5789, n=21. Insufficient data to test for seasonality: data were not deseasonalized. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9455, critical = 0.908. Report alpha = 0.01. Most recent point compared to limit.

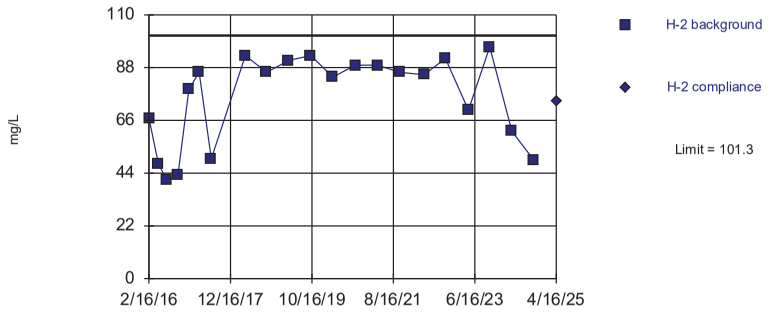
Constituent: Chloride Analysis Run 12/17/2025 11:40 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on x^5 transformation): Mean=3.7e9, Std. Dev.=2.7e9, n=21. Insufficient data to test for seasonality: data were not deseasonalized. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9091, critical = 0.908. Report alpha = 0.01. Most recent point compared to limit.

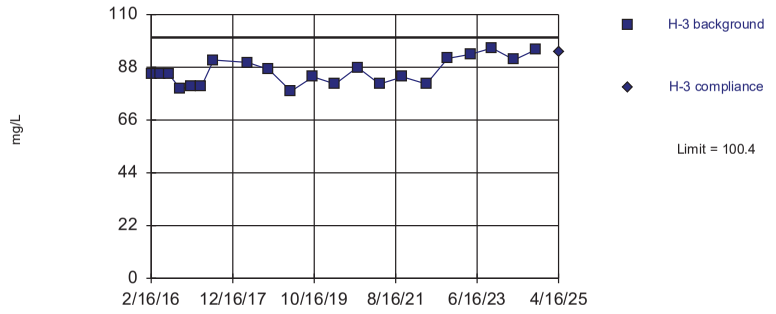
Constituent: Chloride Analysis Run 12/17/2025 11:40 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=86.03, Std. Dev.=5.561, n=21. Insufficient data to test for seasonality: data were not deseasonalized. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9413, critical = 0.908. Report alpha = 0.01. Most recent point compared to limit.

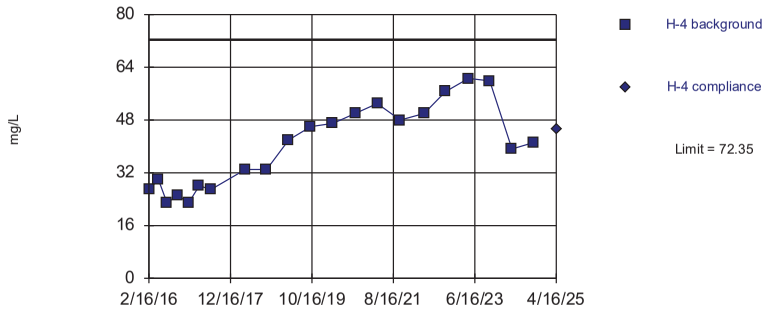
Constituent: Chloride Analysis Run 12/17/2025 11:40 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=40.12, Std. Dev.=12.46, n=21. Insufficient data to test for seasonality: data were not deseasonalized. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9325, critical = 0.908. Report alpha = 0.01. Most recent point compared to limit.

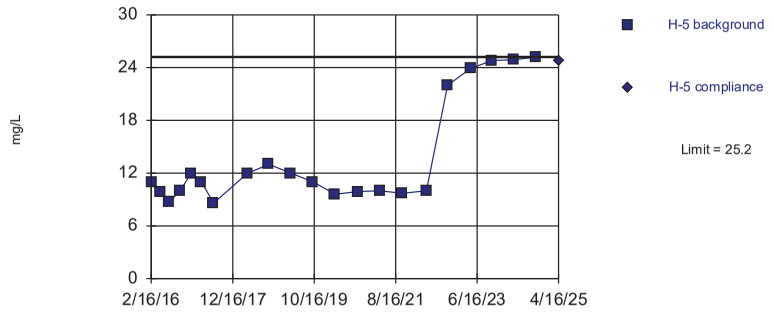
Constituent: Chloride Analysis Run 12/17/2025 11:40 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.05 alpha level. Limit is highest of 21 background values. Report alpha = 0.04545. Most recent point compared to limit. Insufficient data to test for seasonality: data were not deseasonalized.

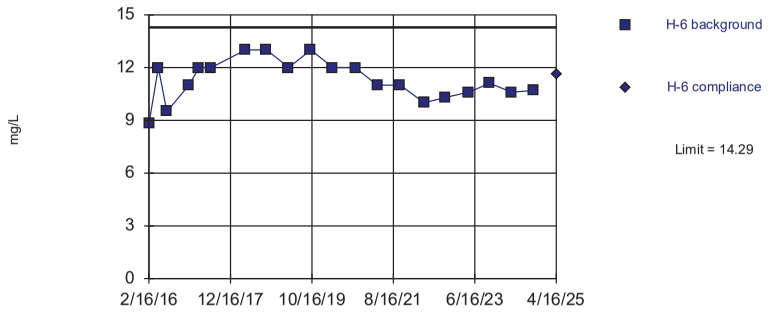
Constituent: Chloride Analysis Run 12/17/2025 11:40 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=11.28, Std. Dev.=1.157, n=20. Insufficient data to test for seasonality: data were not deseasonalized. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9461, critical = 0.905. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Chloride Analysis Run 12/17/2025 11:40 AM

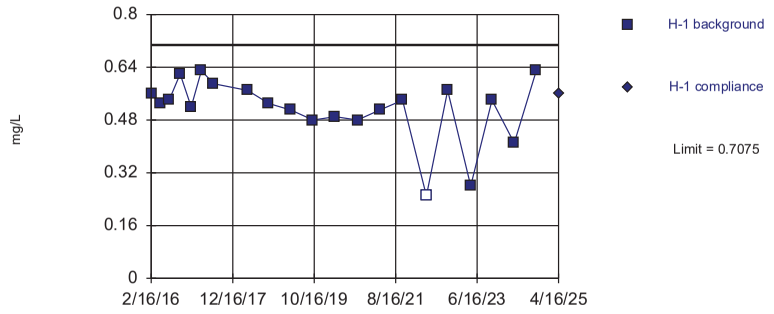
Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square transformation): Mean=0.2727, Std. Dev.=0.08809, n=21, 4.762% NDs. Insufficient data to test for seasonality: data were not deseasonalized. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9084, critical = 0.908. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Fluoride Analysis Run 12/17/2025 11:40 AM

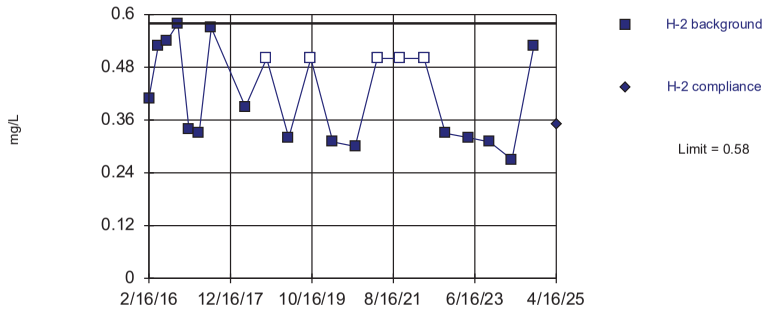
Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.05 alpha level. Limit is highest of 21 background values. 23.81% NDs. Report alpha = 0.04545. Most recent point compared to limit. Insufficient data to test for seasonality: data were not deseasonalized.

Constituent: Fluoride Analysis Run 12/17/2025 11:40 AM

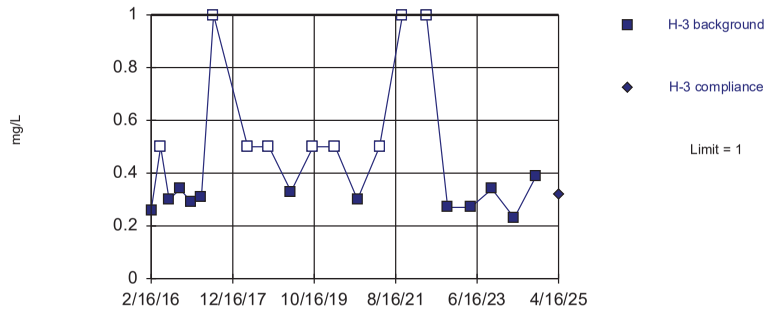
Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.05 alpha level. Limit is highest of 21 background values. 42.86% NDs. Report alpha = 0.04545. Most recent point compared to limit. Insufficient data to test for seasonality: data were not deseasonalized.

Constituent: Fluoride Analysis Run 12/17/2025 11:40 AM

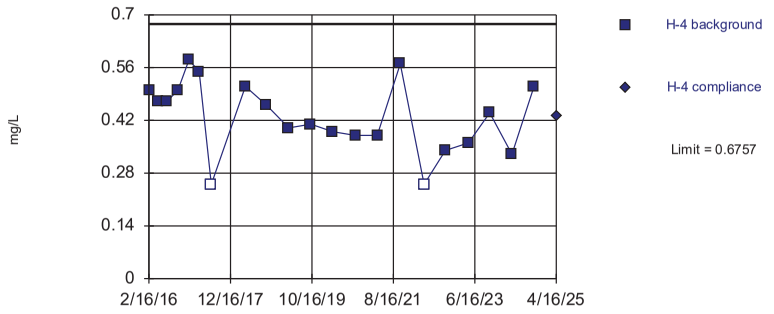
Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.431, Std. Dev.=0.0946, n=21, 9.524% NDs. Insufficient data to test for seasonality: data were not deseasonalized. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9635, critical = 0.908. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Fluoride Analysis Run 12/17/2025 11:40 AM

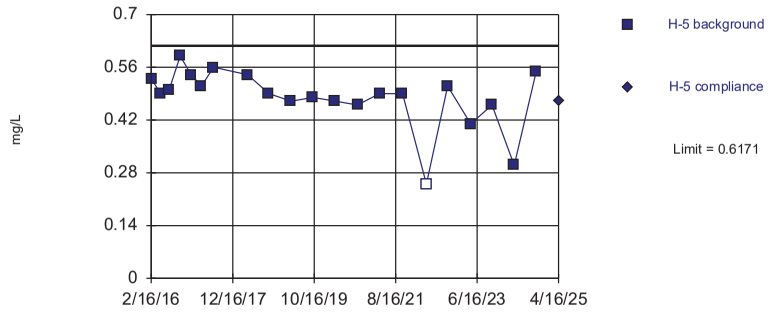
Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on cube transformation): Mean=0.1189, Std. Dev.=0.04489, n=21, 4.762% NDs. Insufficient data to test for seasonality: data were not deseasonalized. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9468, critical = 0.908. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Fluoride Analysis Run 12/17/2025 11:40 AM

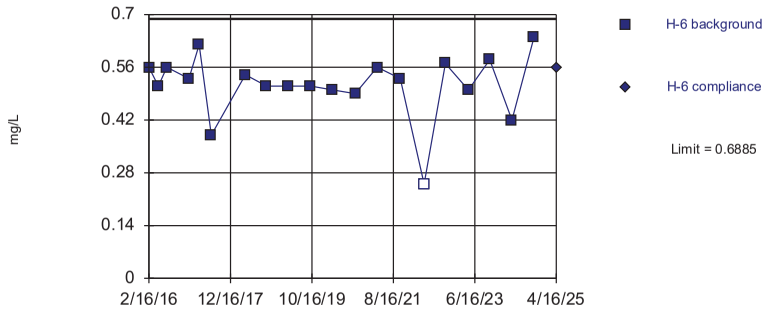
Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square transformation): Mean=0.2707, Std. Dev.=0.07816, n=20, 5% NDs. Insufficient data to test for seasonality: data were not deseasonalized. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9276, critical = 0.905. Report alpha = 0.01. Most recent point compared to limit.

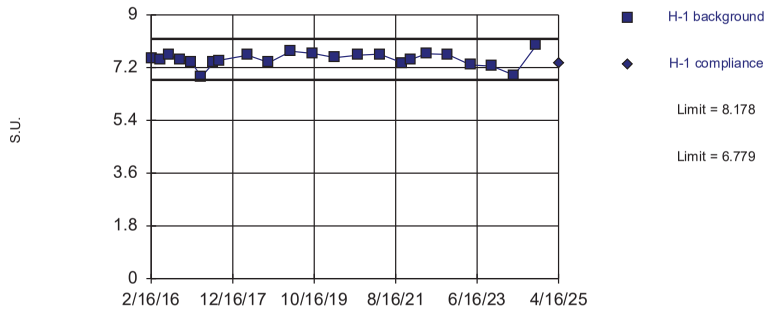
Constituent: Fluoride Analysis Run 12/17/2025 11:40 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=7.479, Std. Dev.=0.243, n=23. Insufficient data to test for seasonality: data were not deseasonalized. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9342, critical = 0.914. Report alpha = 0.01. Most recent point compared to limit.

Constituent: pH Analysis Run 12/17/2025 11:40 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

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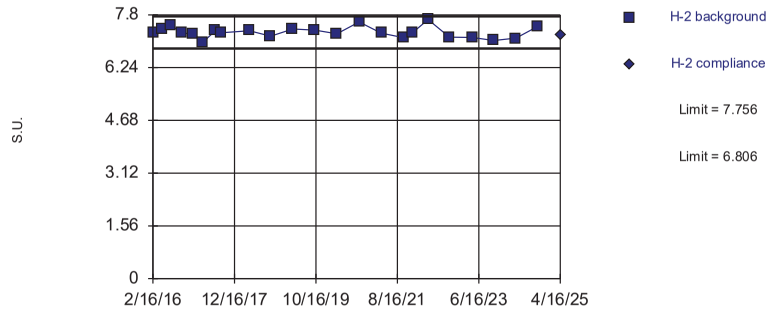
Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=7.281, Std. Dev.=0.165, n=23. Insufficient data to test for seasonality: data were not deseasonalized. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9643, critical = 0.914. Report alpha = 0.01. Most recent point compared to limit.

Constituent: pH Analysis Run 12/17/2025 11:40 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

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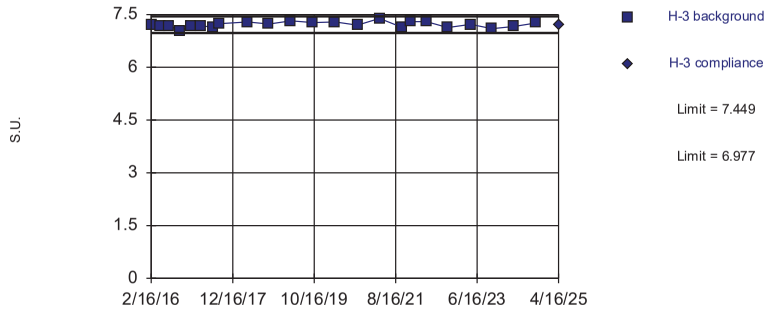
Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=7.213, Std. Dev.=0.08188, n=23. Insufficient data to test for seasonality: data were not deseasonalized. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9855, critical = 0.914. Report alpha = 0.01. Most recent point compared to limit.

Constituent: pH Analysis Run 12/17/2025 11:40 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

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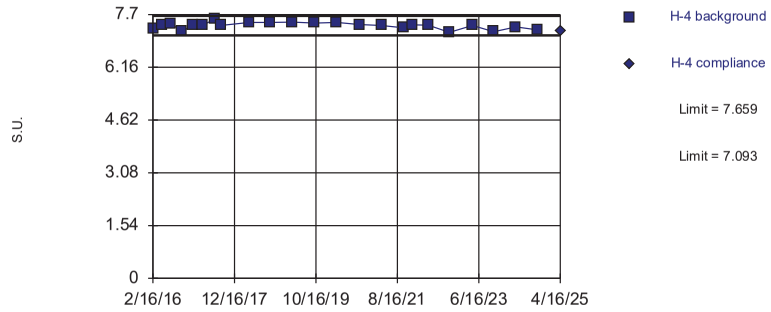
Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=7.376, Std. Dev.=0.0982, n=23. Insufficient data to test for seasonality: data were not deseasonalized. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9367, critical = 0.914. Report alpha = 0.01. Most recent point compared to limit.

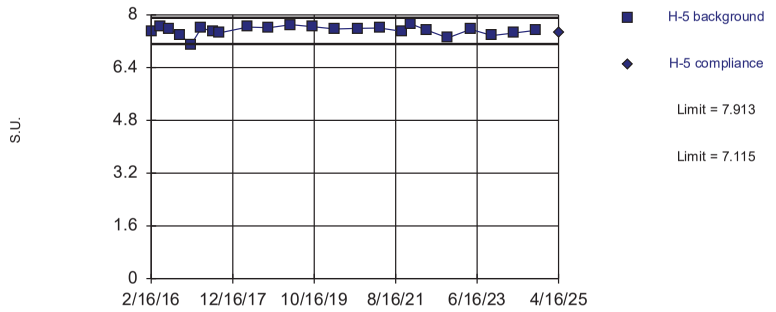
Constituent: pH Analysis Run 12/17/2025 11:40 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square transformation): Mean=56.61, Std. Dev.=2.082, n=23. Insufficient data to test for seasonality: data were not deseasonalized. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9162, critical = 0.914. Report alpha = 0.01. Most recent point compared to limit.

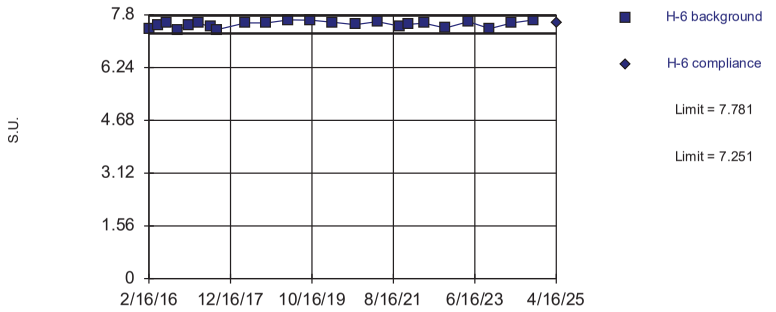
Constituent: pH Analysis Run 12/17/2025 11:40 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=7.516, Std. Dev.=0.09199, n=23. Insufficient data to test for seasonality: data were not deseasonalized. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9405, critical = 0.914. Report alpha = 0.01. Most recent point compared to limit.

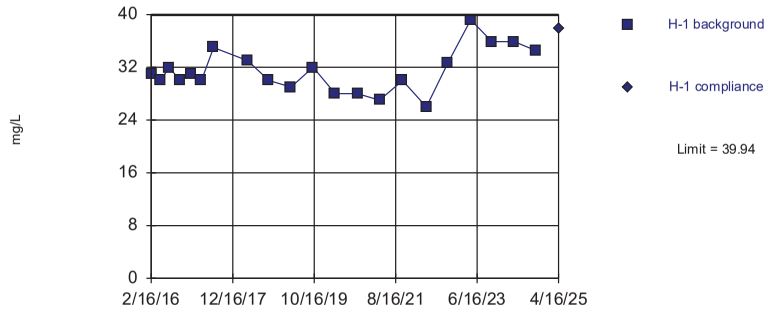
Constituent: pH Analysis Run 12/17/2025 11:40 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=31.43, Std. Dev.=3.287, n=21. Insufficient data to test for seasonality: data were not deseasonalized. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9641, critical = 0.908. Report alpha = 0.01. Most recent point compared to limit.

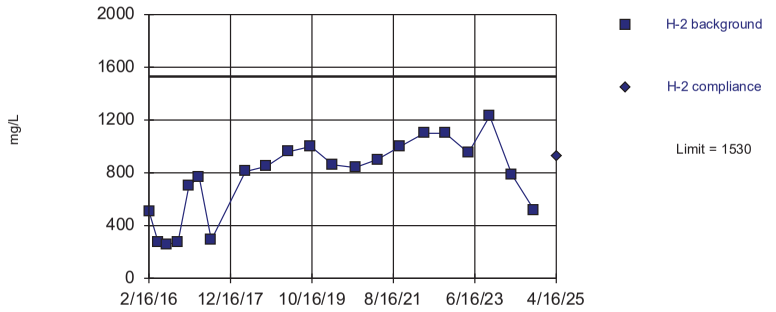
Constituent: Sulfate Analysis Run 12/17/2025 11:40 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=760.7, Std. Dev.=297.3, n=21. Insufficient data to test for seasonality: data were not deseasonalized. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9113, critical = 0.908. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Sulfate Analysis Run 12/17/2025 11:40 AM

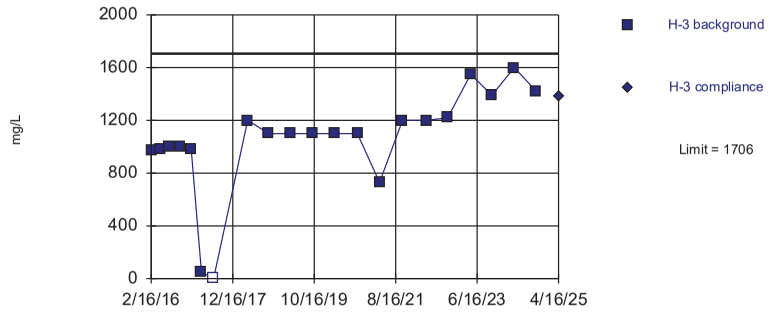
Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square transformation): Mean=1246024, Std. Dev.=643858, n=21, 4.762% NDs. Insufficient data to test for seasonality: data were not deseasonalized. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9373, critical = 0.908. Report alpha = 0.01. Most recent point compared to limit.

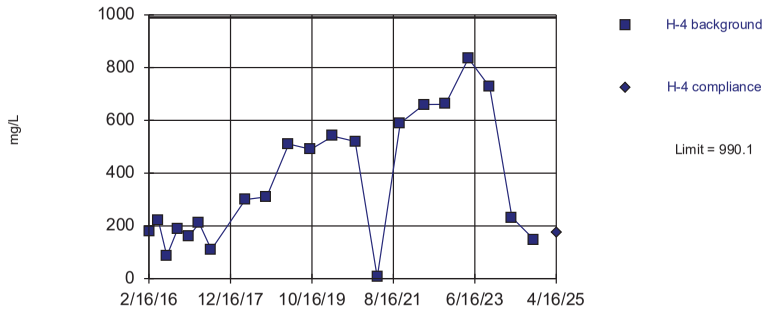
Constituent: Sulfate Analysis Run 12/17/2025 11:40 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=365.9, Std. Dev.=241.3, n=21. Insufficient data to test for seasonality: data were not deseasonalized. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9314, critical = 0.908. Report alpha = 0.01. Most recent point compared to limit.

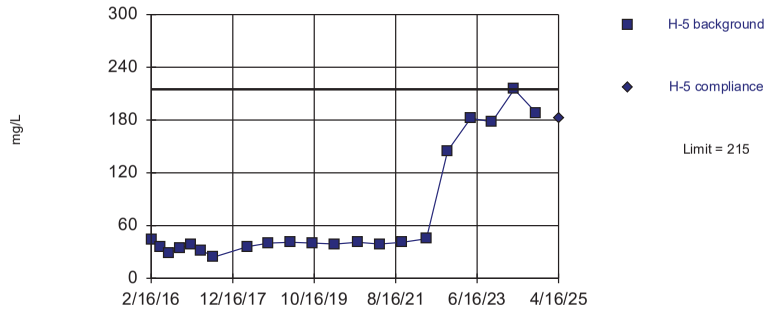
Constituent: Sulfate Analysis Run 12/17/2025 11:40 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.05 alpha level. Limit is highest of 21 background values. Report alpha = 0.04545. Most recent point compared to limit. Insufficient data to test for seasonality: data were not deseasonalized.

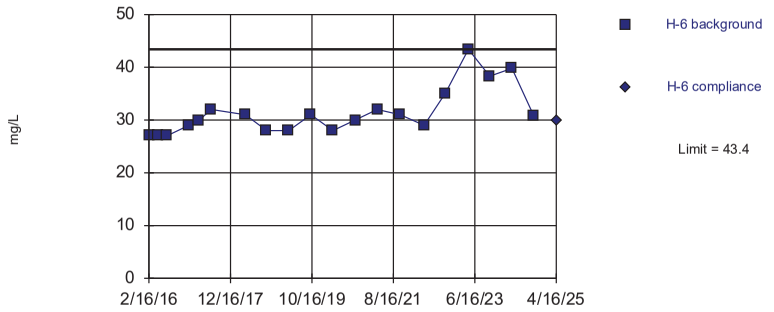
Constituent: Sulfate Analysis Run 12/17/2025 11:40 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.05 alpha level. Limit is highest of 20 background values. Report alpha = 0.04762. Most recent point compared to limit. Insufficient data to test for seasonality: data were not deseasonalized.

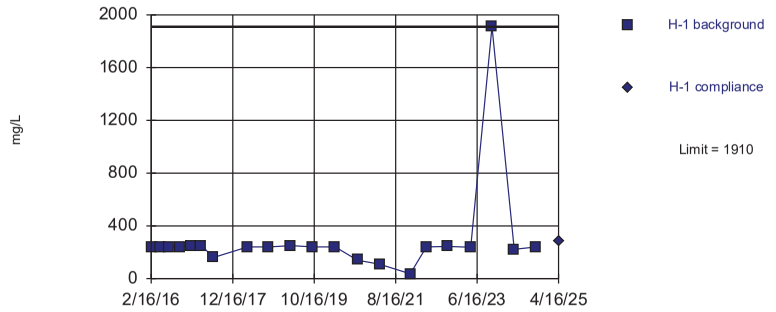
Constituent: Sulfate Analysis Run 12/17/2025 11:40 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.05 alpha level. Limit is highest of 21 background values. Report alpha = 0.04545. Most recent point compared to limit. Insufficient data to test for seasonality: data were not deseasonalized.

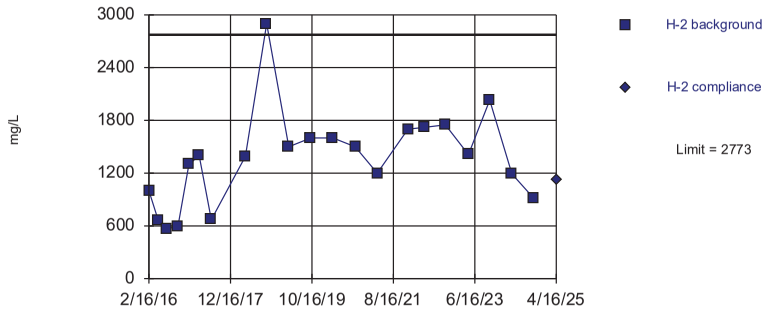
Constituent: Total Dissolved Solids Analysis Run 12/17/2025 11:40 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=1361, Std. Dev.=545.5, n=21. Insufficient data to test for seasonality: data were not deseasonalized. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9242, critical = 0.908. Report alpha = 0.01. Most recent point compared to limit.

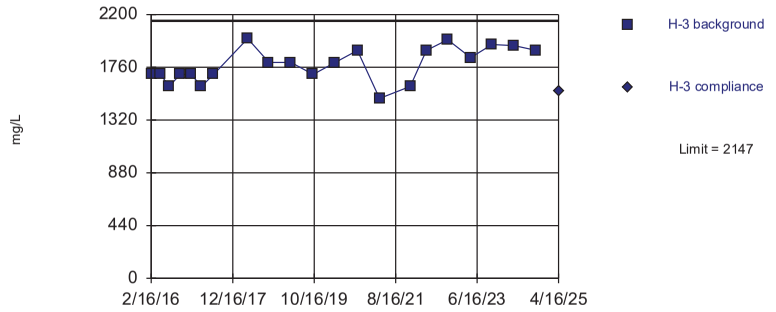
Constituent: Total Dissolved Solids Analysis Run 12/17/2025 11:40 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=1777, Std. Dev.=143, n=21. Insufficient data to test for seasonality: data were not deseasonalized. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9474, critical = 0.908. Report alpha = 0.01. Most recent point compared to limit.

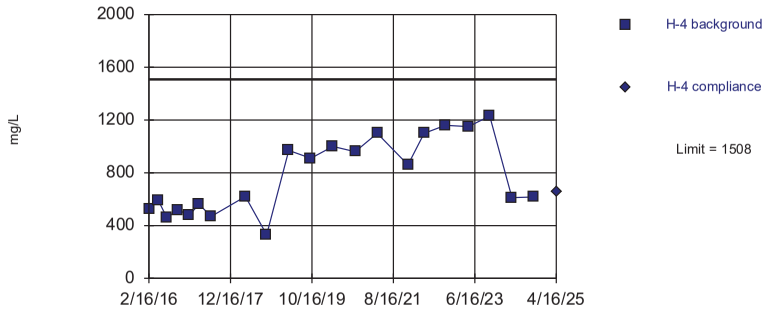
Constituent: Total Dissolved Solids Analysis Run 12/17/2025 11:40 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=772.8, Std. Dev.=284.1, n=21. Insufficient data to test for seasonality: data were not deseasonalized. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9081, critical = 0.908. Report alpha = 0.01. Most recent point compared to limit.

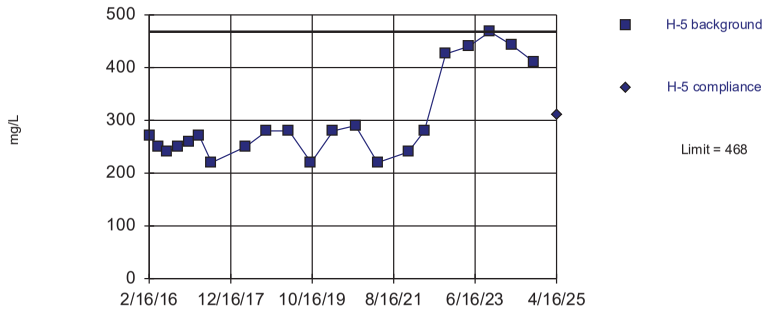
Constituent: Total Dissolved Solids Analysis Run 12/17/2025 11:40 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.05 alpha level. Limit is highest of 21 background values. Report alpha = 0.04545. Most recent point compared to limit. Insufficient data to test for seasonality: data were not deseasonalized.

Constituent: Total Dissolved Solids Analysis Run 12/17/2025 11:40 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

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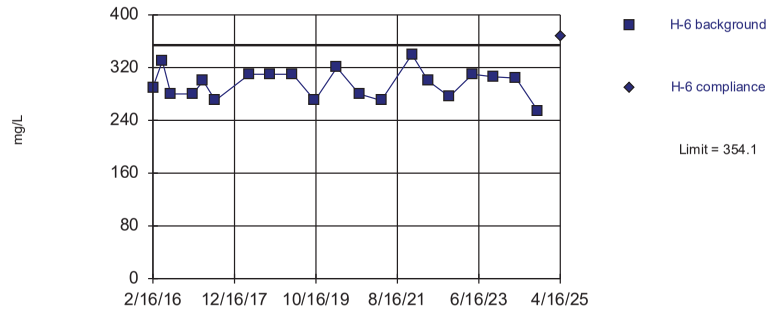
Exceeds Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=295.5, Std. Dev.=22.52, n=20. Insufficient data to test for seasonality: data were not deseasonalized. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9632, critical = 0.905. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Total Dissolved Solids Analysis Run 12/17/2025 11:40 AM

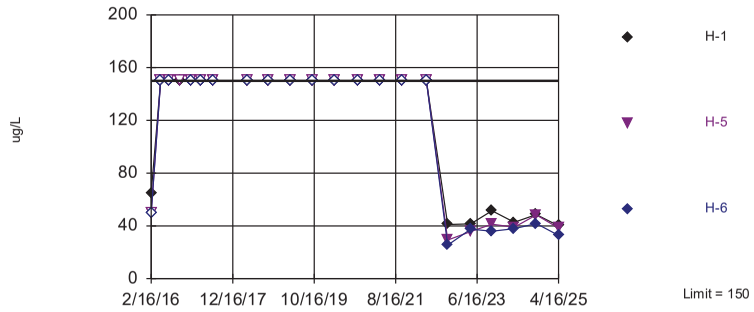
Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 66 background values. 68.18% NDs. Report alpha = 0.04348. Individual comparison alpha = 0.01471. Most recent point for each compliance well compared to limit. Seasonality was not detected with 95% confidence.

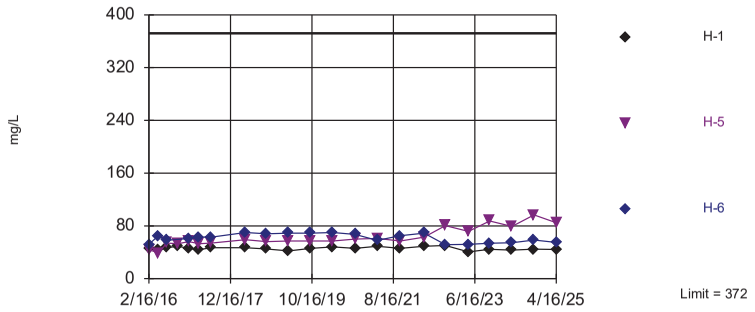
Constituent: Boron And Borates Only Analysis Run 12/17/2025 12:27 PM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Within Limit

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.05 alpha level. Limit is highest of 66 background values. Report alpha = 0.04348. Individual comparison alpha = 0.01471. Most recent point for each compliance well compared to limit. Seasonality was not detected with 95% confidence.

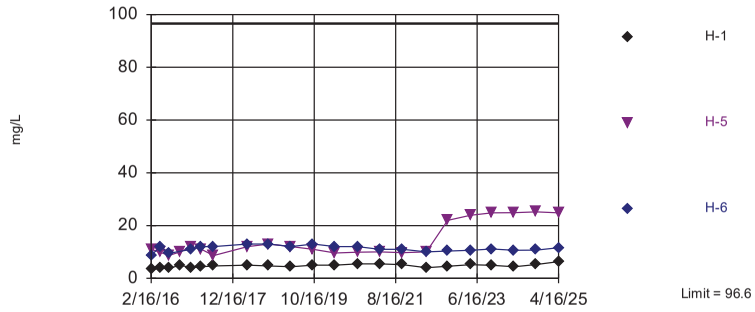
Constituent: Calcium Analysis Run 12/17/2025 12:27 PM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Within Limit

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.05 alpha level. Limit is highest of 66 background values. Report alpha = 0.04348. Individual comparison alpha = 0.01471. Most recent point for each compliance well compared to limit. Seasonality was not detected with 95% confidence.

Constituent: Chloride Analysis Run 12/17/2025 12:27 PM

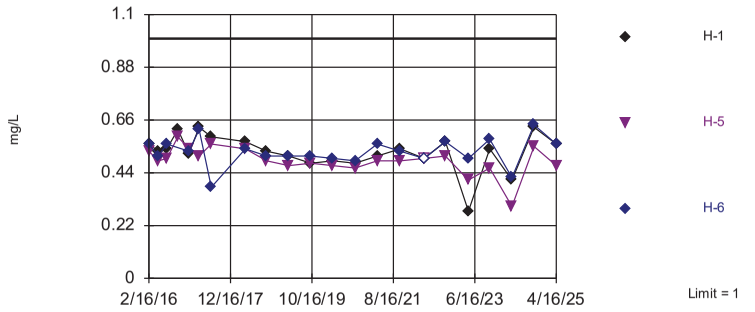
Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.05 alpha level. Limit is highest of 66 background values. 24.24% NDs. Report alpha = 0.04348. Individual comparison alpha = 0.01471. Most recent point for each compliance well compared to limit. Seasonality was not detected with 95% confidence.

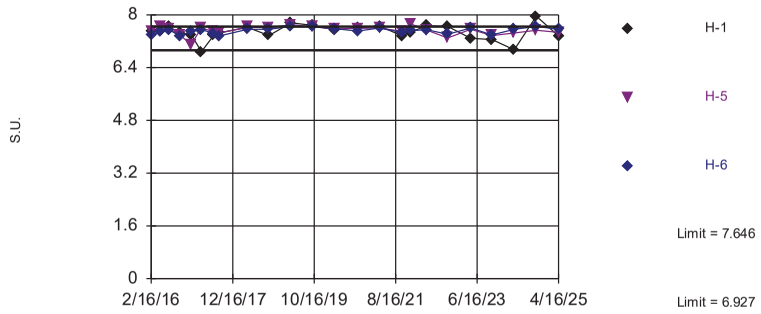
Constituent: Fluoride Analysis Run 12/17/2025 12:27 PM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Within Limits

Prediction Limit

Interwell Parametric



Background Data Summary: Mean=7.286, Std. Dev.=0.1348, n=72. Seasonality was not detected with 95% confidence. Normality test: Shapiro Francia @alpha = 0.05, calculated = 0.9844, critical = 0.968. Report alpha = 0.0297. Individual comparison alpha = 0.005. Most recent point for each compliance well compared to limit.

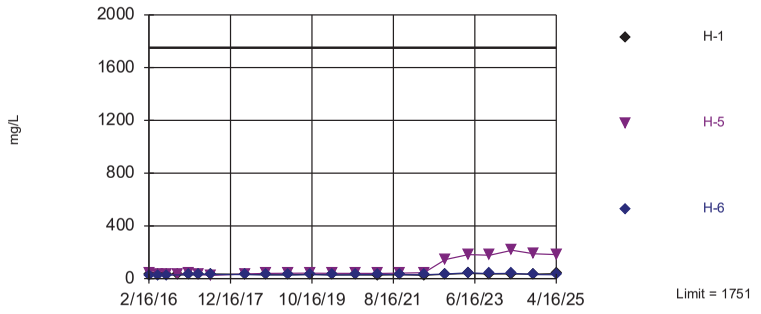
Constituent: pH Analysis Run 12/17/2025 12:27 PM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Within Limit

Prediction Limit

Interwell Parametric



Background Data Summary: Mean=729.2, Std. Dev.=425.3, n=66, 1.515% NDs. Seasonality was not detected with 95% confidence. Normality test: Shapiro Francia @alpha = 0.05, calculated = 0.9672, critical = 0.965. Report alpha = 0.0297. Individual comparison alpha = 0.01. Most recent point for each compliance well compared to limit.

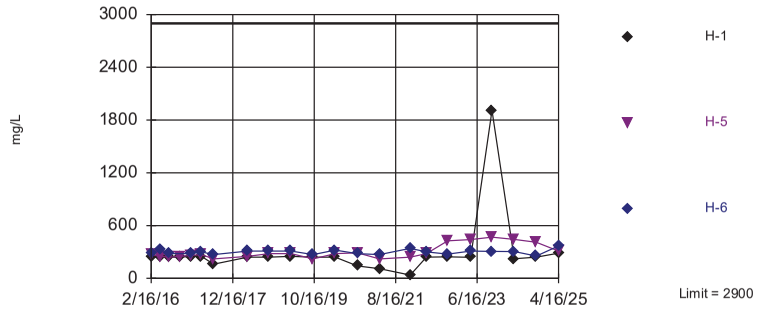
Constituent: Sulfate Analysis Run 12/17/2025 12:27 PM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Within Limit

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.05 alpha level. Limit is highest of 66 background values. Report alpha = 0.04348. Individual comparison alpha = 0.01471. Most recent point for each compliance well compared to limit. Seasonality was not detected with 95% confidence.

Constituent: Total Dissolved Solids Analysis Run 12/17/2025 12:27 PM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

ATTACHMENT 5

FIELD DATA SHEETS

SUNFLOWER ELECTRIC POWER CORPORATION
HOLCOMB STATION INDUSTRIAL LANDFILL
SOLID WASTE PERMIT NO. 420
WELL DATA

WELL ID	DATE	TIME	TOC[1] (Elevation, FT-MSL)	DTW[2] (Feet)	SWL[3] (Elevation FT-MSL)	WELL T.D.[4]
H1	4/16/2025	9:28	2,924.54	230	2,694.54	2638.93
H2	4/16/2025	9:51	2,914.71	212.5	2,702.21	2622.18
H3	4/16/2025	10:04	2,905.93	204	2,701.93	2632.16
H4	4/16/2025	10:18	2,901.66	203.4	2,698.26	2635.04
H5	4/16/2025	10:53	2,896.67	199.5	2,697.17	2637.14
H6	4/16/2025	10:36	2,940.37	247.9	2,692.47	2642.48
SS1	4/16/2025	9:40	2,923.93	90.7	2,833.23	2812.01
DD3	4/16/2025	9:45	2,941.22	128.4	2,812.82	2779.09
S4	4/16/2025	10:31	2,946.17	96.7	2,849.47	2813.47
BASIN						

[1]TOC = Top of casing - plant datum; all wells surveyed by a licensed professional land surveyor (Cornerstone) in March 2006 and July 2008

[2]DTW = Depth to water - measurements are to be taken before placing hydrasleeve in well.

[3]SWL = Static water level = TOC elevation - DTW

[4]Well total depth is measured unless noted by (*) which indicates a depth based on well consumption report.

Well inspection observations: (pad condition, security, etc.) See attached inspection sheet

SAMPLE COLLECTOR(S): Kandi George

SUNFLOWER ELECTRIC POWER CORPORATION
HOLCOMB STATION INDUSTRIAL LANDFILL
SOLID WASTE PERMIT NO. 420
SAMPLE COLLECTION DATA

WELL ID	DATE	TIME	CONDUCTIVITY	TURBIDITY	pH	TEMP (F)
H1	4/16/2025	9:28	412.8	1.1	7.36	63.3
H2	4/16/2025	9:51	1638	12.7	7.2	63.6
H3	4/16/2025	10:04	2455	8.78	7.2	63.4
H4	4/16/2025	10:18	919.9	1.54	7.2	63.4
H5	4/16/2025	10:53	618.5	0.9	7.47	62.6
H6	4/16/2025	10:36	461.4	2.4	7.56	62.8

pH, Conductivity, Turbidity and Temperature will be recorded using sample from hydrasleeve

Weather conditions (air temp, precipitation, wind direction): Sunny, 60-66°F, 0 precipitation, Wind SW 14-16 mph

Unusual conditions and deficiencies, equipment malfunctions, etc.: Temperature & pH taken in the field, conductivity & turbidity tested in HLS lab

SAMPLE COLLECTOR(S): Rob Bennet - pH, temp, conductivity, turbidity
Kandi George - Samples sent to lab

LANDFILL MONITORING WELLS
SEMI-ANNUAL INSPECTION LOG

DATE: 04/16/2025

Well Casing		Concrete Pad		Protection Riser		Locking Device \ Condition		Casing Plug / Cap	
SS1	X	SS1	X	SS1	X	SS1	X	SS1	X
S4	X	S4	X	S4	X	S4	X	S4	X
DD3	X	DD3	X	DD3	X	DD3	X	DD3	X
H1	X	H1	X	H1	X	H1	X	H1	X
H2	X	H2	X	H2	X	H2	X	H2	X
H3	X	H3	X	H3	X	H3	X	H3	X
H4	X	H4	X	H4	X	H4	X	H4	X
H5	X	H5	X	H5	X	H5	X	H5	X
H6	X	H6	X	H6	X	H6	X	H6	X

Comments: All well casings, concrete pads, and protection risers in good condition except on well #DD3. This well is missing the lock and the protection riser will not close completely because the well casing inside is taller than the riser. The casing is plugged with a cap inside the protection riser.

Inspected by: Kandi George #1009
Signature

HOLCOMB STATION SWL FIELD DATA

DATE/TIME 04/16/25 9:28a

WELL I.D. H1 STATIC DEPTH 230'

LOCATION: **HOLCOMB STATION CCR LANDFILL**

ANALYSIS: **CCR, APPENDIX III PARAMETERS**

ALL DEVICES CALIBRATED Y OPER RB

pH 7.36 CONDUCTIVITY 412.8

TURBIDITY 1.10 TEMPERATURE 63.3

AMBIENT TEMP/CONDITIONS 60°F
Sunny Wind SW 10 mph

COMMENTS

SAMPLED BY K George

Rite in the Rain

HOLCOMB STATION SWL FIELD DATA

DATE/TIME 04/16/25 9:51

WELL I.D. H2 STATIC DEPTH 212.5

LOCATION: **HOLCOMB STATION CCR LANDFILL**

ANALYSIS: **CCR, APPENDIX III PARAMETERS**

ALL DEVICES CALIBRATED Y OPER RB

pH 7.20 CONDUCTIVITY ~~1038~~ 1638 uS

TURBIDITY 12.7 TEMPERATURE 63.6

AMBIENT TEMP/CONDITIONS 62°F
Sunny Wind SW 16 mph

COMMENTS

SAMPLED BY K. George

Rain in the Rain

HOLCOMB STATION SWL FIELD DATA

DATE/TIME 04/10/25, 10:04

WELL I.D. H3 STATIC DEPTH 204

LOCATION: **HOLCOMB STATION CCR LANDFILL**

ANALYSIS: **CCR, APPENDIX III PARAMETERS**

ALL DEVICES CALIBRATED Y OPER RB

pH 7.20 CONDUCTIVITY 2455

TURBIDITY 8.78 TEMPERATURE 63.4

AMBIENT TEMP/CONDITIONS 64° F
Sunny Wind SW 15 mph

COMMENTS

SAMPLED BY KGeorge

Rite in the Rain

HOLCOMB STATION SWL FIELD DATA

DATE/TIME 04/16/2025 10:18

WELL I.D. H4 STATIC DEPTH 203.4

LOCATION: **HOLCOMB STATION CCR LANDFILL**

ANALYSIS: **CCR, APPENDIX III PARAMETERS**

ALL DEVICES CALIBRATED Y OPER RB

pH 7.20 CONDUCTIVITY 919.9

TURBIDITY 1.54 TEMPERATURE 63.4

AMBIENT TEMP/CONDITIONS 64° F
Sunny Wind SW 15 mph

COMMENTS

SAMPLED BY KGeorge

Rite in the Rain

HOLCOMB STATION SWL FIELD DATA

DATE/TIME 04/16/25 / 10:53

WELL I.D. H5 STATIC DEPTH 199.5

LOCATION: **HOLCOMB STATION CCR LANDFILL**

ANALYSIS: **CCR, APPENDIX III PARAMETERS**

ALL DEVICES CALIBRATED Y OPER RB

pH 7.47 CONDUCTIVITY 618.5

TURBIDITY 0.90 TEMPERATURE 62.6

AMBIENT TEMP/CONDITIONS 68° F
Sunny Wind SW 14mph

COMMENTS

SAMPLED BY Cgeorge

Rite in the Rain

HOLCOMB STATION SWL FIELD DATA

DATE/TIME 04/16/25 / 10:36

WELL I.D. H6 STATIC DEPTH 247.91

LOCATION: **HOLCOMB STATION CCR LANDFILL**

ANALYSIS: **CCR, APPENDIX III PARAMETERS**

ALL DEVICES CALIBRATED Y OPER RB

pH 7.56 CONDUCTIVITY 461.4

TURBIDITY 2.40 TEMPERATURE 62.8

AMBIENT TEMP/CONDITIONS 66° F
Sunny Wind SW 15mph

COMMENTS

SAMPLED BY kgeorge

APPENDIX E

FALL 2025 GROUNDWATER MONITORING REPORT

December 4, 2025
Revised December 19, 2025

Sunflower Electric Power Corporation
PO Box 1020
Hays, Kansas 67601

Attention: Ms. Emily Vsetecka, P.E.
Manager, Environmental and
Laboratory Services

via email: evsetecka@sunflower.net

Reference: Holcomb Common Facilities Industrial Landfill (CCR Unit)
Fall 2025 Sampling Summary Report Revised
AEC File No.25002-2:4908

Dear Ms. Vsetecka:

Sunflower has completed the sampling for the Fall 2025 Sampling Event, and this letter reports the validated results. Enclosed with this letter are the groundwater flow map, the chemical laboratory reports, and the statistical analysis. Our qualified groundwater scientist and the project engineer have reviewed this report, as indicated by the signatures below.

Deviations from SAP
Sunflower did not report deviations from procedures established in the Sampling and Analysis Plan (SAP) submitted to the Kansas Department of Health and Environment (KDHE) on June 23, 2016. However, Sunflower has elected to add interwell prediction limit analysis to the statistics completed to date due to changes in upgradient groundwater quality as described in the Alternate Source Determination (ASD) dated September 18, 2023, and revised February 9, 2024.

Groundwater Flow
Figure 1 in Attachment 1 shows groundwater elevations and contours converted from static water measurements recorded during the sampling event. Attachment 2 shows the related water level measurements. The general direction of groundwater flow is south-southeast in the northern portion of the landfill while the southern component of flow appears to be to the south to southwest. The groundwater gradient between H-1 and H-2 was 0.0037 feet per foot during this event.

Chemical Data Summary
Sunflower collected groundwater samples for each well using disposable HydraSleeve devices and decanted them into laboratory-supplied containers. Sunflower labeled all containers before placing on ice for shipment to the analytical laboratory under chain-of-custody protocol. Sunflower submitted the samples to ALS Laboratory Group, located in Houston, Texas.

Attachment 2 presents the analytical summary table showing detected analytes. Attachment 3 provides the complete laboratory report. Data validation shows that the data satisfies the quality control standards required in the Sampling and Analysis Plan (SAP).

SUMMARY OF STATISTICAL ANALYSES RESULTS

In accordance with the SAP and per the regulatory requirements of *40 CFR 257.93*, statistical analysis was performed using the Sanitas Technologies Statistical software to evaluate the data. The statistical methods employed include Outlier Analysis, Time Series, Intrawell Prediction Limits and Interwell Prediction Limits Analysis to evaluate each parameter detected in the Sunflower monitoring wells. The specific methods and results are described below.

Outlier Analysis identifies anomalous values in the dataset. In this case, Outlier analysis (EPA 1989 Outlier Test) for each parameter is applied to indicate significant variations from the background levels. In many cases, these outlier values can graphically illustrate suspect values that may be attributed to sampling or laboratory error. In other cases, Outlier analysis can be used to aid in the verification of a statistically significant result if other factors can be ruled out. Attachment 4 includes the related Outlier output. As shown therein, multiple samples and constituents were flagged as potential outliers in the data set. AEC reviewed the outliers shown in Table 1 and elected to retain the values due to consistency in results among the constituents and increasing trends.

Table 1: Detected Outliers

Parameter	Well	Date
Fluoride	H-1	4/26/2022
		4/25/2023
		4/17/2024
		10/15/2025
	H-5	4/26/2022
		4/17/2024
	H-6	7/12/2017
		4/26/2022
		4/17/2024
pH	H-5	1/19/2017
Sulfate	H-3	4/4/2017
		7/12/2017
	H-4	4/6/2021
Total Dissolved Solids	H-6	10/15/2025

Time Series Analysis is performed to determine changes in analytical results over time. Time Series graphs were developed for each analyte detected in each well. These graphs produce observational evidence to evaluate if analyte concentrations are increasing or decreasing in each well. Attachment 4 includes the related Time Series output.

Trend Analysis was performed utilizing Sen's Slope/Mann-Kendall analysis at 95% confidence to evaluate statistically significant trends in upgradient and downgradient wells. Table 2 shows the Wells/Parameter pairs that exhibit trends. Given the magnitude of trends, no background data was removed for statistical analysis as the sample size would be low for many of the observed parameters at n<14 or 15.

Table 2: Trend Analysis

Parameter (trend)	Well	Well Type
Boron (decreasing)	H-1	Side-gradient
	H-2	Upgradient
	H-4	Upgradient
	H-5	Side-gradient
	H-6	Downgradient
Calcium (increasing)	H-5	Side-gradient
Chloride (increasing)	H-1	Side-gradient
	H-3	Upgradient
	H-4	Upgradient
	H-5	Side-gradient
Fluoride (decreasing)	H-5	Side-gradient
Sulfate (increasing)	H-2	Upgradient
	H-3	Upgradient
	H-5	Side-gradient
Total Dissolved Solids (increasing)	H-4	Upgradient
	H-5	Side-gradient

Intrawell Prediction Limit Analysis is one of the statistical methods recommended by the EPA's Unified Guidance, Statistical Analysis of Ground-Water Monitoring Data at RCRA Facilities for facilities involved in compliance monitoring. A Statistically Significant Increase (SSI) is noted when the parameter value from a compliance well exceeds the Prediction Limit for that parameter.

As described in Section 6.2.3 of the Sunflower SAP, Intrawell Prediction Limits (*see* Attachment 4) are employed only after it has been demonstrated that there has been no prior facility impact on the background data. For certain wells, the data was non-normally distributed requiring non-parametric (vs. parametric) analysis; this will likely change with increases in the sample size. As noted on the graphs in Attachment 4, when the non-parametric test is used, the calculated limit is equal to the highest background value for that parameter. Since there is a relatively small number of observations to date, the limit may be artificially low. Finally, due to the relatively small sample size, seasonality effects will not be able to be determined until 20 observations are available (i.e., n=20).

As shown on the Intrawell Prediction Limit charts in Attachment 4, the compliance value for the following wells/parameters are shown to be above the predicted limits and therefore represent SSIs above background. Parameter values in compliance wells are well below upgradient values.

Table 3: Intrawell Statistically Significant Increases (SSIs)

Well	Parameter	Well Type
H-5	Total Dissolved Solids	Side-gradient / Compliance
H-6	Total Dissolved Solids	Downgradient

The Facility Alternate Source Demonstration (ASD) shows that there is an alternate source for the parameters with intrawell SSIs in Site Compliance Wells. It is expected that concentrations of parameters in down-gradient compliance wells will eventually be similar to the elevated concentrations found in up-gradient background wells. Sunflower therefore relied on interwell analysis to determine if the SSIs found via intrawell analysis were indicative of a release or influences from upgradient groundwater quality. The flagged well/parameter pairs utilizing intrawell analysis were not shown as SSIs utilizing interwell analysis.

Interwell Prediction Limit Analysis: In accordance with Section 6.2.5 of the Sunflower SAP, Sunflower elected to run Interwell Prediction Limit Analysis on the three (3) site Compliance wells. In lieu of the Tolerance Limit test outlined in the SAP, Sunflower utilized a Prediction Limit analysis at the 95% confidence level. With the pooled background data, seasonality was able to be tested but was not detected for any parameters in compliance wells.

As shown on the Interwell Prediction Limit charts none of the compliance values for the above, or any of the wells/parameters are shown to be above the predicted limits.

Sunflower will continue with routine monitoring to determine if future statistical analyses indicate a potential release from the landfill. Should you have any questions or comments concerning the results of this investigation, please contact our office at your convenience.

Sincerely,
ALLIED ENVIRONMENTAL CONSULTANTS, INC.

Sheena M Bruner
Statistical Analyst

Paul R. Clark, P.G.
Project Geologist

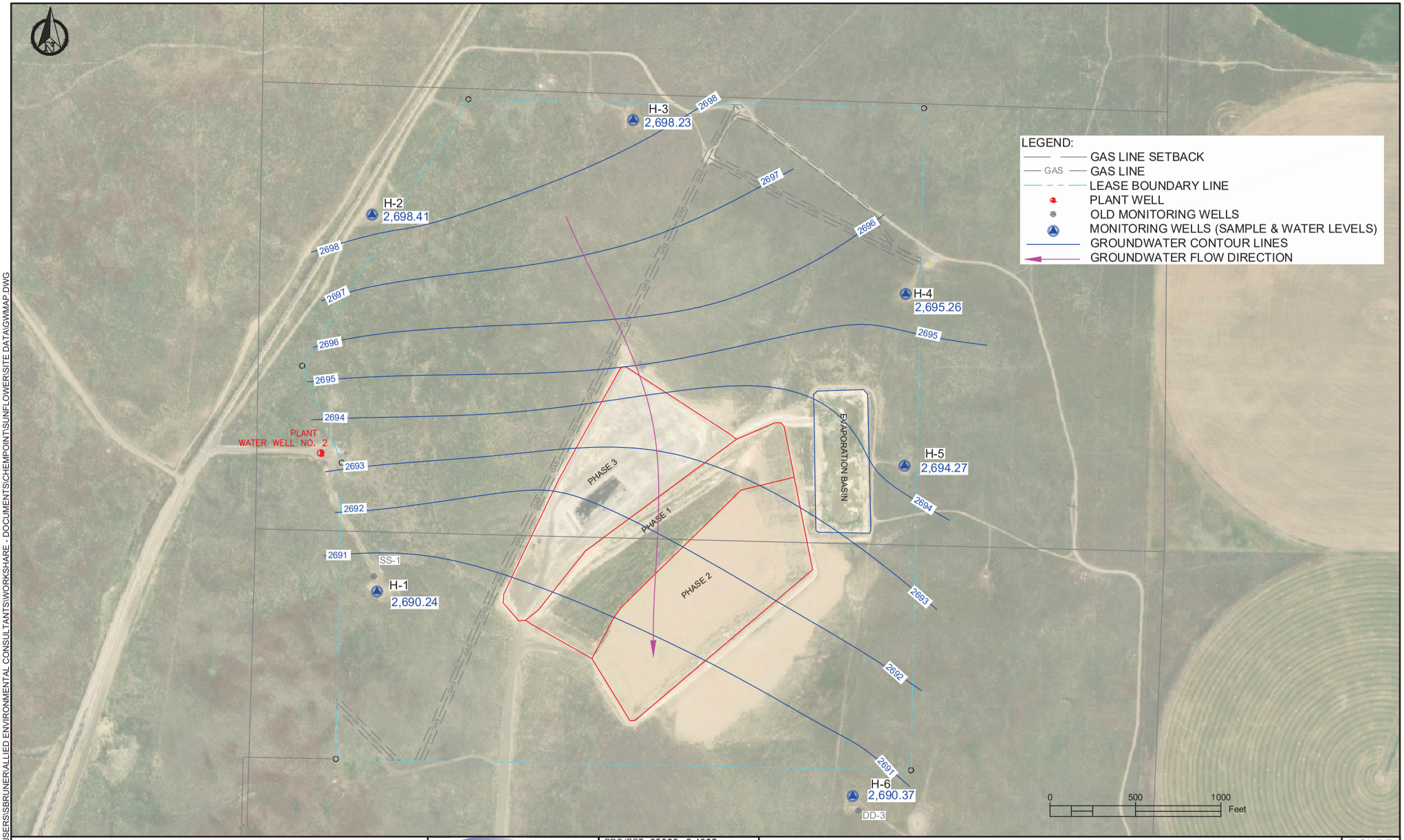
Ted Francis, P.E.
Project Engineer

Attachments: 1 – Site Figure 2 – Table 3 – Laboratory Report 4 – Statistical Analysis
5 - Field Data Sheets

c: Ms. Kandi George (via email: kgeorge@sunflower.net)
Ms. Justine Sullivan (via email: jsullivan@sunflower.net)

ATTACHMENT 1

FIGURE



FILENAME:C:\USERS\SBRUNER\ALLIED ENVIRONMENTAL CONSULTANTS\WORKSHARE - DOCUMENTS\CHEMPOINT\SUNFLOWER\SITE DATA\GWMAP.DWG

SUNFLOWER ELECTRIC
HOLCOMB, KANSAS PLANT
INDUSTRIAL LANDFILL

Allied Environmental Consultants
727 N WACO AVE., STE 265 • WICHITA, KS 67203 • 316.262.5698

PROJECT: 25002-2:4908
SCALE: AS_SHOWN
DATE: 10/15/2025
DWN BY: SMB
CHKD BY: TBF

GROUNDWATER ELEVATIONS
OCTOBER 2025

FIGURE
1

ATTACHMENT 2

ANALYTICAL SUMMARY TABLE

Table 1: Summary of Fall 2025
Analytical Results
Sunflower Electric Power Corporation
Holcomb Common Facilities, LLC.

Location		Measure Point Elevation (TOC) *	Sample Date**	Depth to Water (BTOC)	Groundwater Elevation (ft. AMSL)	Field Parameters				Detection Monitoring Appendix III Constituents					
						Temperature (deg F)	Conductivity (µS/cm)	Turbidity (NTU)	pH (su)	Boron, Total (µg/L)	Calcium, Total (µg/L)	Chloride (mg/L)	Fluoride (mg/L)	Sulfate (mg/L)	TDS (mg/L)
Up-Gradient	H-2	2914.71	10/15/2025	216.30	2,698.41	74.8	1298.0	6.28	7.36	68.5	150,000	44.0	0.408	**401**	**814**
	H-3	2905.93	10/15/2025	207.70	2,698.23	74.0	2369.0	9.78	7.20	59.7	325,000	93.3	0.277	**1,260**	**1,790**
	H-4	2901.66	10/15/2025	206.40	2,695.26	73.0	977.0	0.95	7.20	ND (50.0)	123,000	43.6	0.378	127	**646**
Down-Gradient	H-1	2924.54	10/15/2025	234.30	2,690.24	74.9	534.0	0.49	7.61	54.0	46,500	5.52	0.198	29.6	252
	H-5	2896.67	10/15/2025	202.40	2,694.27	69.2	780.0	1.29	7.51	ND (50.0)	86,500	23.9	0.386	165	476
	H-6	2940.37	10/15/2025	250.00	2,690.37	71.0	590.0	1.17	7.53	ND (50.0)	54,440	9.8	0.503	20.2	764
									6.5 - 8.5	NE	NE	250	2.00	250	500
									Secondary Maximum Contaminant Level (SMCL)						

Notes & Abbreviations Key:
* Measuring point elevation at top of well casing, from survey completed and sealed by Cornerstone Professional Services Inc. on February 12, 2016
**The Depth to Water values were measured on October 9, 2025 and the groundwater samples were collected on October 15, 2025
TOC - Top of Casing
BTOC - below top of casing
ft. AMSL - Feet Above Mean Sea Level
deg F - Degrees Fahrenheit
µS/cm - microSeimens per centimeter
NTU - Nephelometric Turbidity Units
su - standard units
µg/L - micrograms per Liter
mg/L - milligrams per Liter
Bold values exceed SMCL value
Highlight values indicate SSI
ND - Non-Detect
NE - Not Established

ATTACHMENT 3

LABORATORY REPORT

DATA VALIDATION FORM
ALLIED ENVIRONMENTAL CONSULTANTS

Project Name: Sunflower Fall 2025 Sampling Project/Client Numbers: 25002-2:4908

Laboratory Name & Certification #: ALS Environmental E-10352

Laboratory Episode ID: HS25100853 *"Episode" = set of analytical reports represented one COC submittal.*

Part I: Samples Represented In This Episode => Compare COC Form with Lab Identification

Sample ID	Lab. ID	Sample ID	Lab. ID	Sample ID	Lab. ID	Sample ID	Lab. ID
Well #1	HS25100853-01	Well #6	HS25100853-06				
Well #2	HS25100853-02						
Well #3	HS25100853-03						
Well #4	HS25100853-04						
Well #5	HS25100853-05						

Part II: HOLDING TIME REQUIREMENTS

Date Samples Collected	7-Day Holding/Extract	14-Day Holding	Other Holding Date
10/15/2025	10/22/2025		28 Days-11/12/25; 180 Days-4/13/26

Part III: COMPLETENESS

Review Item	YES	NO	NA	Note Ref. Or Comment
Sample Manifest or Chain-of-Custody Complete	✓			
Sample receipt / inspection form by Lab – list concerns		✓		
Lab Completed All Request Analysis	✓			
Requested Detection Limits Satisfied	✓			
Extraction & Analytical Holding Times Satisfied	✓			
Sample Preservation Satisfied	✓			
Laboratory Provided Written Narrative – if yes see next page	✓			
Project Analytical Objectives Satisfied	✓			

Part IV: PROJECT QUALITY CONTROL REQUIREMENTS

Review Item	YES	NO	NA	Note Reference to Part VI
Trip Blanks accompanied VOC samples			✓	
VOCs Detected in Trip Blank			✓	
Duplicate Samples Collected / Listed on COC		✓		
RPDs for Duplicate vs. Original Sample Acceptable			✓	
Field Blanks Submitted and Analyzed		✓		
Decontamination Blanks Collected and Analyzed		✓		
Matrix Spike/Spike Duplicate Submitted		✓		
Surrogate Recoveries Acceptable, as reported by Lab	✓			
RPDs for MS/MSD Acceptable, as reported by Lab	✓			1.
LCS Percent Recoveries Acceptable	✓			
Analytes Detected in Lab Blank		✓		

RPD - Relative Percent Difference

PART V: DATA QUALITY ASSESSMENT

Data is acceptable for use as reported? Acceptable ☑ Not Acceptable ☐

*If some or all of the data is **Not Acceptable**, please indicate which analyses require qualification in the Comments Section. Describe how any issue or question regarding data quality or validity has been resolved.*

PART VI: COMMENTS *Use additional pages, if needed.*

Note Ref.	Comments (List Questions to Lab)	Describe Resolution
1.	The laboratory reported that the MS/MSD recovery was outside of laboratory control limits for Calcium & Sulfate	
	however the result in the parent sample is greater than 4x the spike amount so it is not a concern.	

Pages For This Episode 23

Data Validated By: Sheena Bruner Digitally signed by Sheena Bruner Date: 2025.11.26 16:10:51 -06'00'

Date: November 26, 2025

Laboratory Written Narrative

Metals by Method E200.8
Batch ID: 234760
Sample ID: Well #1 (HS25100853-01MS)
The MS and/or MSD recovery was outside of the control; however, the result in the parent sample is greater than 4x the spike amount. Calcium.

Sample ID: Well #2 (HS25100853-02MSD)
The MS and/or MSD recovery was outside of the control; however, the result in the parent sample is greater than 4x the spike amount. Calcium.

WetChemistry by Method E300
Batch ID: R525032
Sample ID: HS25101232-01MS
• MS and MSD are for an unrelated sample (Sulfate)

10450 Stancliff Rd. Suite 210
Houston, TX 77099
T: +1 281 530 5656
F: +1 281 530 5887

October 30, 2025

Kandi George
Sunflower Electric Power Corporation
2440 Holcomb Power
Holcomb, KS 67851

Work Order: **HS25100853**

Laboratory Results for: **Well #1**

Dear Kandi George,

ALS Environmental received 6 sample(s) on Oct 16, 2025 for the analysis presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

Generated By: JUMOKE.LAWAL
Jessica Monfore
Project Manager

Client: Sunflower Electric Power Corporation
Project: Well #1
Work Order: HS25100853

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS25100853-01	Well #1	Water		15-Oct-2025 09:40	16-Oct-2025 09:00	☐
HS25100853-02	Well #2	Water		15-Oct-2025 09:50	16-Oct-2025 09:00	☐
HS25100853-03	Well #3	Water		15-Oct-2025 10:05	16-Oct-2025 09:00	☐
HS25100853-04	Well #4	Water		15-Oct-2025 10:20	16-Oct-2025 09:00	☐
HS25100853-05	Well #5	Water		15-Oct-2025 11:10	16-Oct-2025 09:00	☐
HS25100853-06	Well #6	Water		15-Oct-2025 10:30	16-Oct-2025 09:00	☐

Client: Sunflower Electric Power Corporation **CASE NARRATIVE**
Project: Well #1
Work Order: HS25100853

Metals by Method E200.8

Batch ID: 234760

Sample ID: Well #1 (HS25100853-01MS)

- The MS and/or MSD recovery was outside of the control; however, the result in the parent sample is greater than 4x the spike amount. Calcium.

Sample ID: Well #2 (HS25100853-02MSD)

- The MS and/or MSD recovery was outside of the control; however, the result in the parent sample is greater than 4x the spike amount. Calcium.

WetChemistry by Method E300

Batch ID: R525032

Sample ID: HS25101232-01MS

- MS and MSD are for an unrelated sample (Sulfate)

Batch ID: R524893

- The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

WetChemistry by Method M2540C

Batch ID: R524241,R524243

- The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

Client: Sunflower Electric Power Corporation
Project: Well #1
Sample ID: Well #1
Collection Date: 15-Oct-2025 09:40

ANALYTICAL REPORT
WorkOrder:HS25100853
Lab ID:HS25100853-01
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
TOTAL METALS BY E200.8, REV 5.4, 1994		**Method:E200.8**		Prep:E200.8 / 27-Oct-2025		Analyst: JC
Boron	**54.0**		**50.0**	**ug/L**	1	29-Oct-2025 18:04
Calcium	**46,500**		**200**	**ug/L**	1	29-Oct-2025 18:04
ANIONS BY E300.0, REV 2.1, 1993		**Method:E300**				Analyst: TH
Chloride	**5.52**		**0.500**	**mg/L**	1	24-Oct-2025 22:07
Fluoride	**0.198**		**0.100**	**mg/L**	1	24-Oct-2025 22:07
Sulfate	**29.6**		**0.500**	**mg/L**	1	24-Oct-2025 22:07
TOTAL DISSOLVED SOLIDS BY SM2540C		**Method:M2540C**				Analyst: HB
Total Dissolved Solids (Residue, Filterable)	**252**		**10.0**	**mg/L**	1	17-Oct-2025 09:00

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: Sunflower Electric Power Corporation
Project: Well #1
Sample ID: Well #2
Collection Date: 15-Oct-2025 09:50

ANALYTICAL REPORT
WorkOrder:HS25100853
Lab ID:HS25100853-02
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
TOTAL METALS BY E200.8, REV 5.4, 1994		**Method:E200.8**		Prep:E200.8 / 27-Oct-2025		Analyst: JC
Boron	**68.5**		**50.0**	**ug/L**	1	29-Oct-2025 18:12
Calcium	**150,000**		**200**	**ug/L**	1	29-Oct-2025 18:12
ANIONS BY E300.0, REV 2.1, 1993		**Method:E300**				Analyst: TH
Chloride	**44.0**		**0.500**	**mg/L**	1	24-Oct-2025 22:12
Fluoride	**0.408**		**0.100**	**mg/L**	1	24-Oct-2025 22:12
Sulfate	**401**		**5.00**	**mg/L**	10	27-Oct-2025 11:06
TOTAL DISSOLVED SOLIDS BY SM2540C		**Method:M2540C**				Analyst: HB
Total Dissolved Solids (Residue, Filterable)	**814**		**10.0**	**mg/L**	1	17-Oct-2025 09:00

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: Sunflower Electric Power Corporation
Project: Well #1
Sample ID: Well #3
Collection Date: 15-Oct-2025 10:05

ANALYTICAL REPORT
WorkOrder:HS25100853
Lab ID:HS25100853-03
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
TOTAL METALS BY E200.8, REV 5.4, 1994		**Method:E200.8**		Prep:E200.8 / 27-Oct-2025		Analyst: JC
Boron	**59.7**		**50.0**	**ug/L**	1	29-Oct-2025 18:32
Calcium	**325,000**		**4000**	**ug/L**	20	29-Oct-2025 19:11
ANIONS BY E300.0, REV 2.1, 1993		**Method:E300**				Analyst: TH
Chloride	**93.3**		**0.500**	**mg/L**	1	24-Oct-2025 22:18
Fluoride	**0.277**		**0.100**	**mg/L**	1	24-Oct-2025 22:18
Sulfate	**1,260**		**10.0**	**mg/L**	20	24-Oct-2025 22:24
TOTAL DISSOLVED SOLIDS BY SM2540C		**Method:M2540C**				Analyst: HB
Total Dissolved Solids (Residue, Filterable)	**1,790**		**10.0**	**mg/L**	1	17-Oct-2025 09:00

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: Sunflower Electric Power Corporation
Project: Well #1
Sample ID: Well #4
Collection Date: 15-Oct-2025 10:20

ANALYTICAL REPORT
WorkOrder:HS25100853
Lab ID:HS25100853-04
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
TOTAL METALS BY E200.8, REV 5.4, 1994		**Method:E200.8**		Prep:E200.8 / 27-Oct-2025		Analyst: JC
Boron	ND		50.0	ug/L	1	29-Oct-2025 18:34
Calcium	**123,000**		**200**	**ug/L**	1	29-Oct-2025 18:34
ANIONS BY E300.0, REV 2.1, 1993		**Method:E300**				Analyst: TH
Chloride	**43.6**		**0.500**	**mg/L**	1	24-Oct-2025 22:30
Fluoride	**0.378**		**0.100**	**mg/L**	1	24-Oct-2025 22:30
Sulfate	**127**		**2.50**	**mg/L**	5	27-Oct-2025 11:12
TOTAL DISSOLVED SOLIDS BY SM2540C		**Method:M2540C**				Analyst: HB
Total Dissolved Solids (Residue, Filterable)	**646**		**10.0**	**mg/L**	1	17-Oct-2025 09:00

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: Sunflower Electric Power Corporation
Project: Well #1
Sample ID: Well #5
Collection Date: 15-Oct-2025 11:10

ANALYTICAL REPORT
WorkOrder:HS25100853
Lab ID:HS25100853-05
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
TOTAL METALS BY E200.8, REV 5.4, 1994		**Method:E200.8**		Prep:E200.8 / 27-Oct-2025		Analyst: JC
Boron	ND		50.0	ug/L	1	29-Oct-2025 18:36
Calcium	**86,500**		**200**	**ug/L**	1	29-Oct-2025 18:36
ANIONS BY E300.0, REV 2.1, 1993		**Method:E300**				Analyst: TH
Chloride	**23.9**		**0.500**	**mg/L**	1	24-Oct-2025 22:36
Fluoride	**0.386**		**0.100**	**mg/L**	1	24-Oct-2025 22:36
Sulfate	**165**		**2.50**	**mg/L**	5	27-Oct-2025 11:18
TOTAL DISSOLVED SOLIDS BY SM2540C		**Method:M2540C**				Analyst: HB
Total Dissolved Solids (Residue, Filterable)	**476**		**10.0**	**mg/L**	1	17-Oct-2025 09:00

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: Sunflower Electric Power Corporation
Project: Well #1
Sample ID: Well #6
Collection Date: 15-Oct-2025 10:30

ANALYTICAL REPORT
WorkOrder:HS25100853
Lab ID:HS25100853-06
Matrix:Water

ANALYSES	RESULT	QUAL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
TOTAL METALS BY E200.8, REV 5.4, 1994		**Method:E200.8**		Prep:E200.8 / 27-Oct-2025		Analyst: JC
Boron	ND		50.0	ug/L	1	29-Oct-2025 18:38
Calcium	**54,400**		**200**	**ug/L**	1	29-Oct-2025 18:38
ANIONS BY E300.0, REV 2.1, 1993		**Method:E300**				Analyst: TH
Chloride	**9.84**		**0.500**	**mg/L**	1	24-Oct-2025 22:42
Fluoride	**0.503**		**0.100**	**mg/L**	1	24-Oct-2025 22:42
Sulfate	**20.2**		**0.500**	**mg/L**	1	24-Oct-2025 22:42
TOTAL DISSOLVED SOLIDS BY SM2540C		**Method:M2540C**				Analyst: HB
Total Dissolved Solids (Residue, Filterable)	**764**		**10.0**	**mg/L**	1	17-Oct-2025 10:00

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Weight / Prep Log

Client: Sunflower Electric Power Corporation
Project: Well #1
WorkOrder: HS25100853

Batch ID: 234760 **Start Date:** 27 Oct 2025 08:00 **End Date:** 27 Oct 2025 08:00
Method: TOTAL METALS PREP BY E200.8, REV 5.4, 1994 **Prep Code:** 200.8PR

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS25100853-01		10 (mL)	10 (mL)	1	120 plastic HNO3
HS25100853-02		10 (mL)	10 (mL)	1	120 plastic HNO3
HS25100853-03		10 (mL)	10 (mL)	1	120 plastic HNO3
HS25100853-04		10 (mL)	10 (mL)	1	120 plastic HNO3
HS25100853-05		10 (mL)	10 (mL)	1	120 plastic HNO3
HS25100853-06		10 (mL)	10 (mL)	1	120 plastic HNO3

Client: Sunflower Electric Power Corporation
Project: Well #1
WorkOrder: HS25100853

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 234760 (0)	**Test Name :** TOTAL METALS BY E200.8, REV 5.4, 1994				**Matrix:** Water	
HS25100853-01	Well #1	15 Oct 2025 09:40		27 Oct 2025 08:00	29 Oct 2025 18:04	1
HS25100853-02	Well #2	15 Oct 2025 09:50		27 Oct 2025 08:00	29 Oct 2025 18:12	1
HS25100853-03	Well #3	15 Oct 2025 10:05		27 Oct 2025 08:00	29 Oct 2025 19:11	20
HS25100853-03	Well #3	15 Oct 2025 10:05		27 Oct 2025 08:00	29 Oct 2025 18:32	1
HS25100853-04	Well #4	15 Oct 2025 10:20		27 Oct 2025 08:00	29 Oct 2025 18:34	1
HS25100853-05	Well #5	15 Oct 2025 11:10		27 Oct 2025 08:00	29 Oct 2025 18:36	1
HS25100853-06	Well #6	15 Oct 2025 10:30		27 Oct 2025 08:00	29 Oct 2025 18:38	1
Batch ID: R524241 (0)	**Test Name :** TOTAL DISSOLVED SOLIDS BY SM2540C				**Matrix:** Water	
HS25100853-01	Well #1	15 Oct 2025 09:40			17 Oct 2025 09:00	1
HS25100853-02	Well #2	15 Oct 2025 09:50			17 Oct 2025 09:00	1
HS25100853-03	Well #3	15 Oct 2025 10:05			17 Oct 2025 09:00	1
HS25100853-04	Well #4	15 Oct 2025 10:20			17 Oct 2025 09:00	1
HS25100853-05	Well #5	15 Oct 2025 11:10			17 Oct 2025 09:00	1
Batch ID: R524243 (0)	**Test Name :** TOTAL DISSOLVED SOLIDS BY SM2540C				**Matrix:** Water	
HS25100853-06	Well #6	15 Oct 2025 10:30			17 Oct 2025 10:00	1
Batch ID: R524893 (0)	**Test Name :** ANIONS BY E300.0, REV 2.1, 1993				**Matrix:** Water	
HS25100853-01	Well #1	15 Oct 2025 09:40			24 Oct 2025 22:07	1
HS25100853-02	Well #2	15 Oct 2025 09:50			24 Oct 2025 22:12	1
HS25100853-03	Well #3	15 Oct 2025 10:05			24 Oct 2025 22:24	20
HS25100853-03	Well #3	15 Oct 2025 10:05			24 Oct 2025 22:18	1
HS25100853-04	Well #4	15 Oct 2025 10:20			24 Oct 2025 22:30	1
HS25100853-05	Well #5	15 Oct 2025 11:10			24 Oct 2025 22:36	1
HS25100853-06	Well #6	15 Oct 2025 10:30			24 Oct 2025 22:42	1
Batch ID: R525032 (0)	**Test Name :** ANIONS BY E300.0, REV 2.1, 1993				**Matrix:** Water	
HS25100853-02	Well #2	15 Oct 2025 09:50			27 Oct 2025 11:06	10
HS25100853-04	Well #4	15 Oct 2025 10:20			27 Oct 2025 11:12	5
HS25100853-05	Well #5	15 Oct 2025 11:10			27 Oct 2025 11:18	5

Client: Sunflower Electric Power Corporation
Project: Well #1
WorkOrder: HS25100853

QC BATCH REPORT

Batch ID: 234760 (0) **Instrument:** ICPMS06 **Method:** TOTAL METALS BY E200.8, REV 5.4, 1994

MBLK Sample ID: **MBLK-234760** Units: **ug/L** Analysis Date: **29-Oct-2025 18:00**
Client ID: Run ID: **ICPMS06_525187** SeqNo: **9111136** PrepDate: **27-Oct-2025** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Boron	ND	50.0								
Calcium	ND	200								

LCS Sample ID: **LCS-234760** Units: **ug/L** Analysis Date: **29-Oct-2025 18:24**
Client ID: Run ID: **ICPMS06_525187** SeqNo: **9111148** PrepDate: **27-Oct-2025** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Boron	442.5	50.0	500	0	88.5	85 - 115				
Calcium	5102	200	5000	0	102	85 - 115				

MS Sample ID: **HS25100853-02MS** Units: **ug/L** Analysis Date: **29-Oct-2025 18:14**
Client ID: **Well #2** Run ID: **ICPMS06_525187** SeqNo: **9111143** PrepDate: **27-Oct-2025** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Boron	569.2	50.0	500	68.49	100	70 - 130				
Calcium	155600	200	5000	149900	114	70 - 130				O

MS Sample ID: **HS25100853-01MS** Units: **ug/L** Analysis Date: **29-Oct-2025 18:05**
Client ID: **Well #1** Run ID: **ICPMS06_525187** SeqNo: **9111139** PrepDate: **27-Oct-2025** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Boron	549	50.0	500	54	99.0	70 - 130				
Calcium	54370	200	5000	46540	157	70 - 130				SO

MSD Sample ID: **HS25100853-02MSD** Units: **ug/L** Analysis Date: **29-Oct-2025 18:16**
Client ID: **Well #2** Run ID: **ICPMS06_525187** SeqNo: **9111144** PrepDate: **27-Oct-2025** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Boron	579.3	50.0	500	68.49	102	70 - 130	569.2	1.76	20	
Calcium	157500	200	5000	149900	152	70 - 130	155600	1.22	20	SO

Client: Sunflower Electric Power Corporation
Project: Well #1
WorkOrder: HS25100853

QC BATCH REPORT

Batch ID: 234760 (0) **Instrument:** ICPMS06 **Method:** TOTAL METALS BY E200.8, REV 5.4, 1994

MSD Sample ID: **HS25100853-01MSD** Units: **ug/L** Analysis Date: **29-Oct-2025 18:07**
Client ID: **Well #1** Run ID: **ICPMS06_525187** SeqNo: **9111140** PrepDate: **27-Oct-2025** DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Boron	563.8	50.0	500	54	102	70 - 130	549	2.67	20	
Calcium	53600	200	5000	46540	141	70 - 130	54370	1.44	20	SO

The following samples were analyzed in this batch: HS25100853-01 HS25100853-02 HS25100853-03 HS25100853-04 HS25100853-05 HS25100853-06

Client: Sunflower Electric Power Corporation
Project: Well #1
WorkOrder: HS25100853

QC BATCH REPORT

Batch ID: R524241 (0) **Instrument: Balance1** **Method: TOTAL DISSOLVED SOLIDS BY SM2540C**

MBLK Sample ID: **WMBLK-10172025** Units: **mg/L** Analysis Date: **17-Oct-2025 09:00**
Client ID: Run ID: **Balance1_524241** SeqNo: **9088495** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Total Dissolved Solids (Residue, Filterable)	ND	10.0								

LCS Sample ID: **WLCS-10172025** Units: **mg/L** Analysis Date: **17-Oct-2025 09:00**
Client ID: Run ID: **Balance1_524241** SeqNo: **9088494** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Total Dissolved Solids (Residue, Filterable)	990	10.0	1000	0	99.0	85 - 115				

DUP Sample ID: **HS25100786-02DUP** Units: **mg/L** Analysis Date: **17-Oct-2025 09:00**
Client ID: Run ID: **Balance1_524241** SeqNo: **9088475** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Total Dissolved Solids (Residue, Filterable)	43500	10.0					44180	1.55	20	

DUP Sample ID: **HS25100786-01DUP** Units: **mg/L** Analysis Date: **17-Oct-2025 09:00**
Client ID: Run ID: **Balance1_524241** SeqNo: **9088473** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Total Dissolved Solids (Residue, Filterable)	51480	10.0					51560	0.155	20	

The following samples were analyzed in this batch: HS25100853-01 HS25100853-02 HS25100853-03 HS25100853-04 HS25100853-05

Client: Sunflower Electric Power Corporation
Project: Well #1
WorkOrder: HS25100853

QC BATCH REPORT

Batch ID: R524243 (0) **Instrument:** Balance1 **Method:** TOTAL DISSOLVED SOLIDS BY SM2540C

MBLK Sample ID: **WMBLK-10172025** Units: **mg/L** Analysis Date: **17-Oct-2025 10:00**
Client ID: Run ID: **Balance1_524243** SeqNo: **9088501** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Total Dissolved Solids (Residue, Filterable)	ND	10.0								

LCS Sample ID: **WLCS-10172025** Units: **mg/L** Analysis Date: **17-Oct-2025 10:00**
Client ID: Run ID: **Balance1_524243** SeqNo: **9088500** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Total Dissolved Solids (Residue, Filterable)	1016	10.0	1000	0	102	85 - 115				

DUP Sample ID: **HS25100823-01DUP** Units: **mg/L** Analysis Date: **17-Oct-2025 10:00**
Client ID: Run ID: **Balance1_524243** SeqNo: **9088497** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Total Dissolved Solids (Residue, Filterable)	1200	10.0					1184	1.34	20	

The following samples were analyzed in this batch: HS25100853-06

Client: Sunflower Electric Power Corporation
Project: Well #1
WorkOrder: HS25100853

QC BATCH REPORT

Batch ID: R524893 (0) **Instrument:** ICS-04 **Method:** ANIONS BY E300.0, REV 2.1, 1993

MBLK Sample ID: **MBLK** Units: **mg/L** Analysis Date: **24-Oct-2025 17:42**
Client ID: Run ID: **ICS-04_524893** SeqNo: **9103449** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Chloride	ND	0.500							
Fluoride	ND	0.100							
Sulfate	ND	0.500							

LCS Sample ID: **LCS** Units: **mg/L** Analysis Date: **24-Oct-2025 17:54**
Client ID: Run ID: **ICS-04_524893** SeqNo: **9103450** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Chloride	20.29	0.500	20	0	101	90 - 110			
Fluoride	4.175	0.100	4	0	104	90 - 110			
Sulfate	19.95	0.500	20	0	99.8	90 - 110			

MS Sample ID: **HS25101059-01MS** Units: **mg/L** Analysis Date: **24-Oct-2025 20:56**
Client ID: Run ID: **ICS-04_524893** SeqNo: **9103477** PrepDate: DF: **5**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Chloride	163.5	2.50	50	110.3	106	80 - 120			
Fluoride	15.54	0.500	10	5.254	103	80 - 120			
Sulfate	47.81	2.50	50	3.45	88.7	80 - 120			

MS Sample ID: **HS25101037-01MS** Units: **mg/L** Analysis Date: **24-Oct-2025 18:12**
Client ID: Run ID: **ICS-04_524893** SeqNo: **9103453** PrepDate: DF: **800**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Chloride	33650	400	8000	26400	90.6	80 - 120			
Fluoride	1636	80.0	1600	0	102	80 - 120			
Sulfate	9052	400	8000	1309	96.8	80 - 120			

Client: Sunflower Electric Power Corporation
Project: Well #1
WorkOrder: HS25100853

QC BATCH REPORT

Batch ID: R524893 (0) **Instrument:** ICS-04 **Method:** ANIONS BY E300.0, REV 2.1, 1993

MSD Sample ID: **HS25101059-01MSD** Units: **mg/L** Analysis Date: **24-Oct-2025 21:02**
Client ID: Run ID: **ICS-04_524893** SeqNo: **9103478** PrepDate: DF: **5**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	163	2.50	50	110.3	105	80 - 120	163.5	0.288	20	
Fluoride	14.47	0.500	10	5.254	92.2	80 - 120	15.54	7.1	20	
Sulfate	47.59	2.50	50	3.45	88.3	80 - 120	47.81	0.463	20	

MSD Sample ID: **HS25101037-01MSD** Units: **mg/L** Analysis Date: **24-Oct-2025 18:17**
Client ID: Run ID: **ICS-04_524893** SeqNo: **9103454** PrepDate: DF: **800**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	33460	400	8000	26400	88.2	80 - 120	33650	0.553	20	
Fluoride	1589	80.0	1600	0	99.3	80 - 120	1636	2.93	20	
Sulfate	9012	400	8000	1309	96.3	80 - 120	9052	0.441	20	

The following samples were analyzed in this batch: HS25100853-01 HS25100853-02 HS25100853-03 HS25100853-04 HS25100853-05 HS25100853-06

Client: Sunflower Electric Power Corporation
Project: Well #1
WorkOrder: HS25100853

QC BATCH REPORT

Batch ID: R525032 (0) **Instrument:** ICS-04 **Method:** ANIONS BY E300.0, REV 2.1, 1993

MBLK Sample ID: **MBLK** Units: **mg/L** Analysis Date: **27-Oct-2025 21:17**
Client ID: Run ID: **ICS-04_525032** SeqNo: **9106792** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Sulfate	ND	0.500								

LCS Sample ID: **LCS** Units: **mg/L** Analysis Date: **27-Oct-2025 21:29**
Client ID: Run ID: **ICS-04_525032** SeqNo: **9106793** PrepDate: DF: **1**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Sulfate	20.42	0.500	20	0	102	90 - 110				

MS Sample ID: **HS25101232-01MS** Units: **mg/L** Analysis Date: **27-Oct-2025 21:46**
Client ID: Run ID: **ICS-04_525032** SeqNo: **9106796** PrepDate: DF: **50**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Sulfate	2371	25.0	500	2020	70.2	80 - 120				SO

MS Sample ID: **HS25100921-01MS** Units: **mg/L** Analysis Date: **27-Oct-2025 22:10**
Client ID: Run ID: **ICS-04_525032** SeqNo: **9106800** PrepDate: DF: **500**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Sulfate	4818	250	5000	72.55	94.9	80 - 120				

MSD Sample ID: **HS25101232-01MSD** Units: **mg/L** Analysis Date: **27-Oct-2025 21:52**
Client ID: Run ID: **ICS-04_525032** SeqNo: **9106797** PrepDate: DF: **50**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Sulfate	2375	25.0	500	2020	70.9	80 - 120	2371	0.156	20	SO

MSD Sample ID: **HS25100921-01MSD** Units: **mg/L** Analysis Date: **27-Oct-2025 22:16**
Client ID: Run ID: **ICS-04_525032** SeqNo: **9106801** PrepDate: DF: **500**

Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Sulfate	4812	250	5000	72.55	94.8	80 - 120	4818	0.132	20	

The following samples were analyzed in this batch: HS25100853-02 HS25100853-04 HS25100853-05

Client: Sunflower Electric Power Corporation
Project: Well #1
WorkOrder: **HS25100853**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL/SDL

Acronym	Description
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arizona	AZ0793	27-May-2026
Arkansas	88-00356_2024	17-Mar-2026
California	2919 - 2025	30-Apr-2026
Dept of Defense	L24-239	30-Apr-2026
Dept of Defense	L24-240	30-Apr-2026
Florida	E87611-2025	30-Jun-2026
Illinois	200032 - 2025	31-Jul-2026
Kansas	KS-C25-00168	31-Jul-2026
Kentucky	123043-2025	30-Apr-2026
Louisiana	03087-2025	30-Jun-2026
Maine	2024017	23-Jun-2026
Michigan	9971-2025	30-Apr-2026
Minnesota	2856348	31-Dec-2025
Missouri	136	30-Sep-2026
Nebraska	NE-OS-25-13 - 2025	30-Apr-2026
Nevada	NV-C25-00124 - 2025	31-Jul-2026
New Hampshire	209425	24-Apr-2026
New Jersey	TX008-2025	30-Jun-2026
New York	11707 - 2025	01-Apr-2026
North Carolina	624 - 2024	31-Dec-2025
Oregon	TX200002-013	15-May-2026
Pennsylvania	019	01-Jul-2026
Tennessee	TN	30-Apr-2026
Texas	TX-C25-00104	30-Apr-2026

Sample Receipt Checklist

Work Order ID: HS25100853 **Date/Time Received:** **16-Oct-2025 09:00**

Client Name: Sunflower EPC **Received by:** **Kaycee Rogers**

Completed By:	/S/ Chelsea Rogers	16-Oct-2025 22:02	**Reviewed by:**	/S/ Beverly Mustafa	17-Oct-2025 09:02
	eSignature	Date/Time		eSignature	Date/Time

Matrices: **W** Carrier name: **FedEx**

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
VOA/TX1005/TX1006 Solids in hermetically sealed vials?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	1 Page(s)
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	COC IDs:349109
Samplers name present on COC?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	2.0UC/2.0C	IR 34	
Cooler(s)/Kit(s):	BLUE		
Date/Time sample(s) sent to storage:	10/16/2025 22:02		
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐
pH adjusted?	Yes ☐	No ☑	N/A ☐
pH adjusted by:			

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

Corrective Action:

Cincinnati, OH +1 513 733 5336
Fort Collins, CO +1 970 490 1511
Houston, TX +1 281 530 5656
Spring City, PA +1 610 948 4903
South Charleston, WV +1 304 356 3168
Everett, WA +1 425 356 2600
Holland, MI +1 616 399 6070
Middletown, PA +1 717 944 5541
Salt Lake City, UT +1 801 266 7700
York, PA +1 717 505 5280

Chain of Custody Form

Page 1 of 1

COC ID: 349109

ALS Project Manager: | ALS Work Order #:

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order	PUR25026046	Project Name		A	200.8 (Total B, Ca)
Work Order		Project Number		B	300_W (Cl, F, SO4)
Company Name	Sunflower Electric Power Corporat	Bill To Company	Sunflower Electric Power Corporat	C	TDS_W 2540C (TDS)
Send Report To	Kandi George	Invoice Attn	Kandi George	D	
Address	2440 Holcomb Power	Address	2440 Holcomb Power	E	HS25100853
				F	Sunflower Electric Power Corporation
City/State/Zip	Holcomb, KS 67851	City/State/Zip	Holcomb KS 67851	G	Well #1
Phone		Phone		H	
Fax		Fax		I	
e-Mail Address	kgeorge@sunflower.net	e-Mail Address	kgeorge@sunflower.net	J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	Well #1	10/15/2025	9:40am	AQ	1	2	X	X	X								
2	Well #2	10/15/2025	9:50am	AQ	1	2	X	X	X								
3	Well # 3	10/15/2025	10:05am	AQ	1	2	X	X	X								
4	Well #4	10/15/2025	10:20am	AQ	1	2	X	X	X								
5	Well #5	10/15/2025	11:10am	AQ	1	2	X	X	X								
6	Well #6	10/15/2025	10:30am	AQ	1	2	X	X	X								
7																	
8																	
9																	
10																	

Sampler(s) Please Print & Sign: Kandi George Kandi George / Jennifer Lewis Jennifer Lewis

Shipment Method: FEDEX

Required Turnaround Time: (Check Box) [X] STD 10 Wk Days [ ] 5 Wk Days [ ] 2 Wk Days [ ] 24 Hour [ ] Other

Results Due Date:

Relinquished by: Kandi George	Date: 10/15/2025	Time: 4:00 pm	Received by:	Notes: Sunflower General Pricing	
Relinquished by:	Date:	Time:	Received by (Laboratory):	Cooler ID: IR 34 / Blue	Cooler Temp.: CF 0.0 / 2.0
Logged by (Laboratory):	Date: 10/16/25	Time: 9:00	Checked by (Laboratory):		

QC Package: (Check One Box Below)
- [X] Level II Std QC
- [ ] Level III Std QC/Raw Data
- [ ] Level IV SW846/CLP
- [ ] Other
- [ ] TRRP Checklist
- [ ] TRRP Level IV

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-NaHSO4 7-Other 8-4°C 9-5035

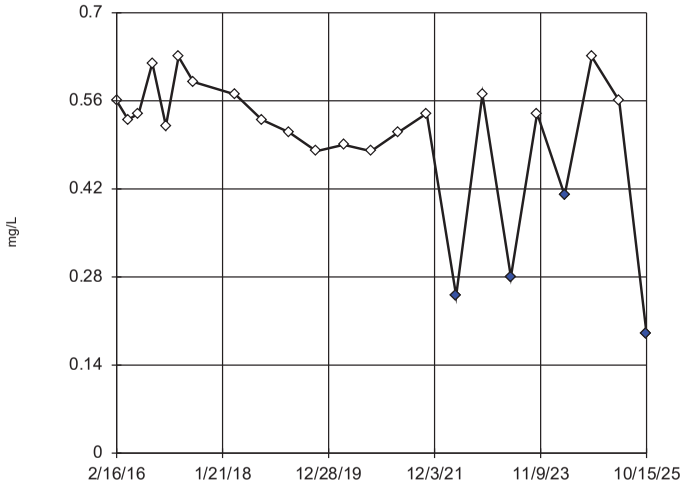
Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

ATTACHMENT 4

STATISTICAL ANALYSIS

EPA 1989 Outlier Screening

H-1



n = 23

Statistical outliers are drawn as solid.
Mean 0.5013, std. dev. 0.1161, critical Tn 2.624. After removing suspect data: mean 0.5155, std. dev. 0.0964, Tn 2.603; mean 0.5281, std. dev. 0.07789, Tn 2.58; mean 0.5405, std. dev. 0.05463, Tn 2.557; mean 0.5474, std. dev. 0.04641, Tn 2.532.

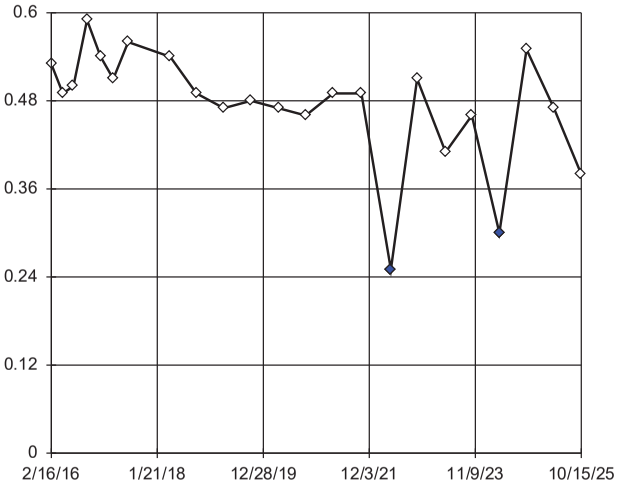
Normality test used:
Shapiro Wilk@alpha = 0.05
Calculated = 0.9429
Critical = 0.901
The distribution, after removal of suspect values, was found to be normally distributed.

Constituent: Fluoride Analysis Run 12/17/2025 7:59 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

EPA 1989 Outlier Screening

H-5



n = 23

Statistical outliers are drawn as solid.
Mean 0.4757, std. dev. 0.07879, critical Tn 2.624. After removing suspect data: mean 0.4859, std. dev. 0.06299, Tn 2.603; mean 0.4948, std. dev. 0.04854, Tn 2.58.

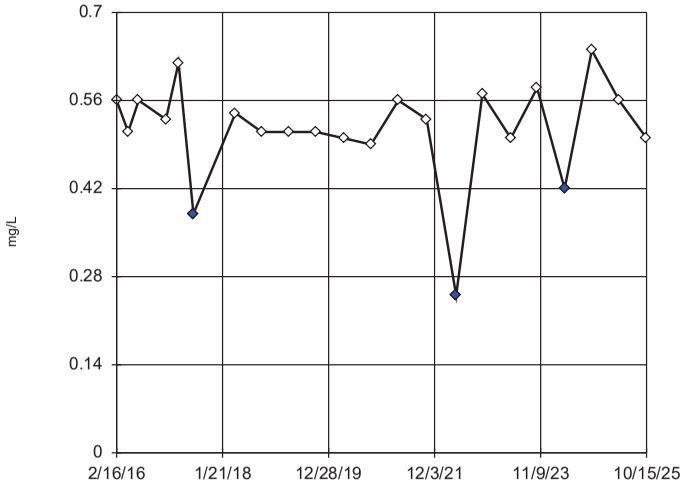
Normality test used:
Shapiro Wilk@alpha = 0.05
Calculated = 0.9654
Critical = 0.908
The distribution, after removal of suspect values, was found to be normally distributed.

Constituent: Fluoride Analysis Run 12/17/2025 8:00 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

EPA 1989 Outlier Screening

H-6



n = 22

Statistical outliers are drawn as solid.
Mean 0.515, std. dev. 0.08222, critical Tn 2.603. After removing suspect data: mean 0.5276, std. dev. 0.05847, Tn 2.58; mean 0.535, std. dev. 0.04894, Tn 2.557; mean 0.5411, std. dev. 0.04189, Tn 2.532.

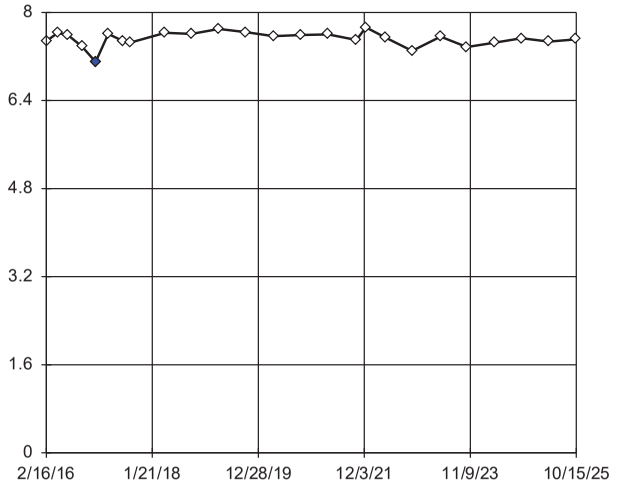
Normality test used:
Shapiro Wilk@alpha = 0.05
Calculated = 0.9108
Critical = 0.901 (after natural log transformation)
The distribution, after removal of suspect values, was found to be log-normal.

Constituent: Fluoride Analysis Run 12/17/2025 8:00 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

EPA 1989 Outlier Screening

H-5



n = 25

Statistical outlier is drawn as solid.
Mean 7.52, std. dev. 0.1344, critical Tn 2.663. After removing suspect data: mean 7.538, std. dev. 0.1042, Tn 2.644.

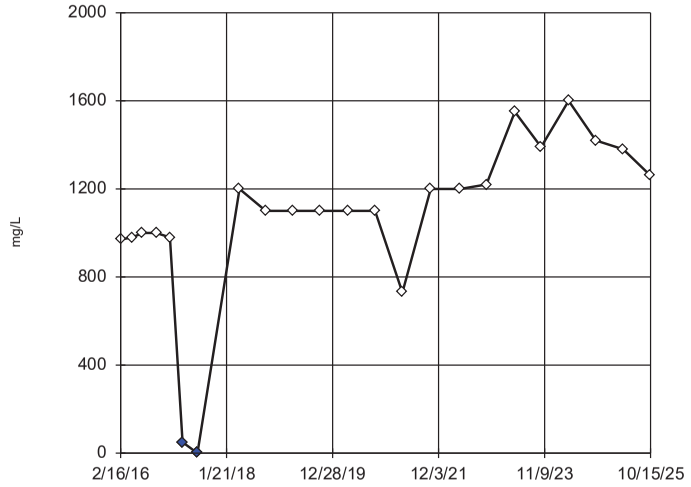
Normality test used:
Shapiro Wilk@alpha = 0.05
Calculated = 0.9795
Critical = 0.916
The distribution, after removal of suspect value, was found to be normally distributed.

Constituent: pH Analysis Run 12/17/2025 8:00 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

EPA 1989 Outlier Screening

H-3 (bg)



n = 23

Statistical outliers are drawn as solid.
Mean 1071, std. dev. 386.2, critical Tn 2.624. After removing suspect data: mean 1120, std. dev. 315, Tn 2.603; mean 1170, std. dev. 210.4, Tn 2.58.

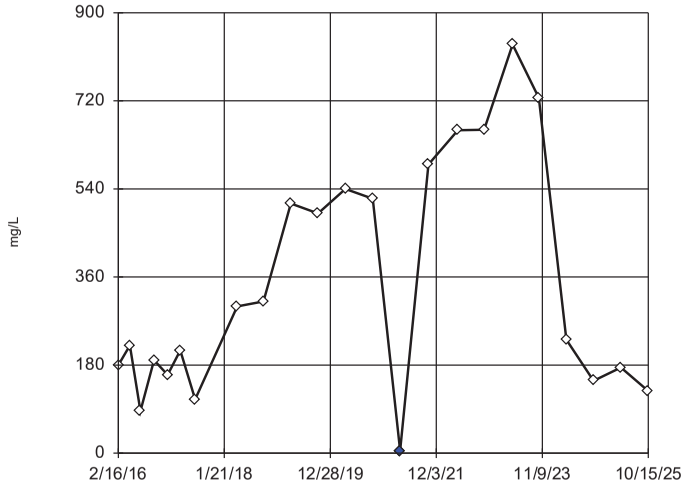
Normality test used:
Shapiro Wilk@alpha = 0.05
Calculated = 0.9565
Critical = 0.908
The distribution, after removal of suspect values, was found to be normally distributed.

Constituent: Sulfate Analysis Run 12/17/2025 8:00 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

EPA 1989 Outlier Screening

H-4 (bg)



n = 23

Statistical outlier is drawn as solid.
Mean 347.2, std. dev. 238.3, critical Tn 2.624. After removing suspect data: mean 362.7, std. dev. 231.7, Tn 2.603.

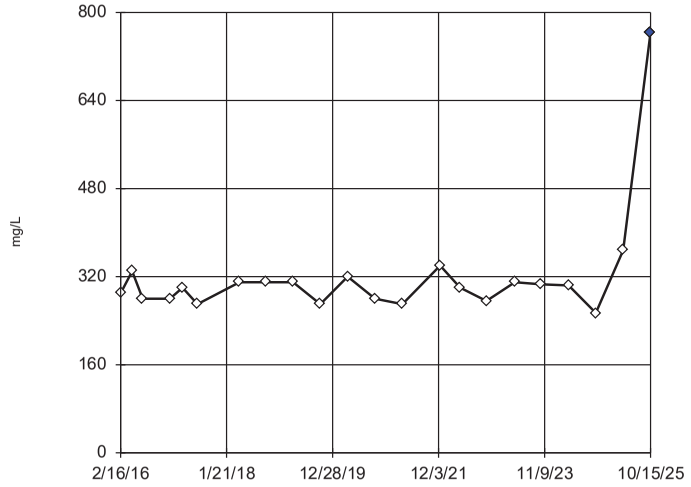
Normality test used:
Shapiro Wilk@alpha = 0.05
Calculated = 0.9365
Critical = 0.911 (after natural log transformation)
The distribution, after removal of suspect value, was found to be log-normal.

Constituent: Sulfate Analysis Run 12/17/2025 8:00 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

EPA 1989 Outlier Screening

H-6



n = 22

Statistical outlier is drawn as solid.
Mean 320.1, std. dev. 102.6, critical Tn 2.603. After removing suspect data: mean 299, std. dev. 27.06, Tn 2.58.

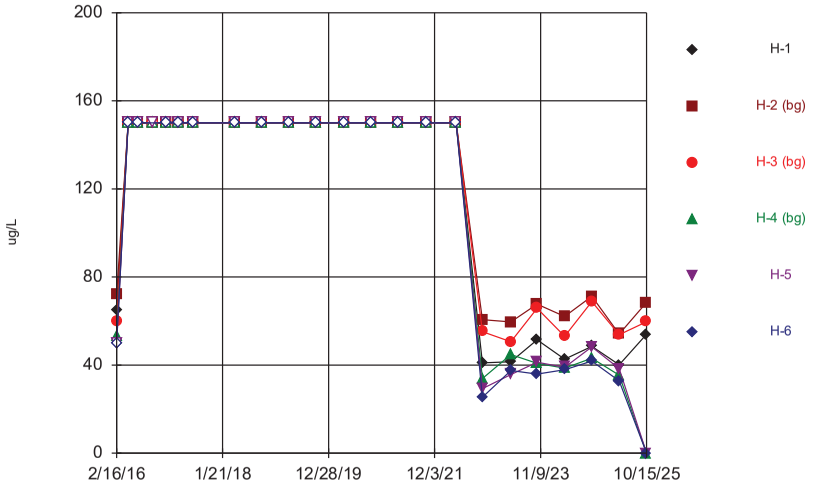
Normality test used:
Shapiro Wilk@alpha = 0.05
Calculated = 0.9512
Critical = 0.908
The distribution, after removal of suspect value, was found to be normally distributed.

Constituent: Total Dissolved Solids Analysis Run 12/17/2025 8:00 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Sanitas™ v.10.1.02 Software licensed to Allied Environmental Consultants, Inc. EPA
Hollow symbols indicate censored values.

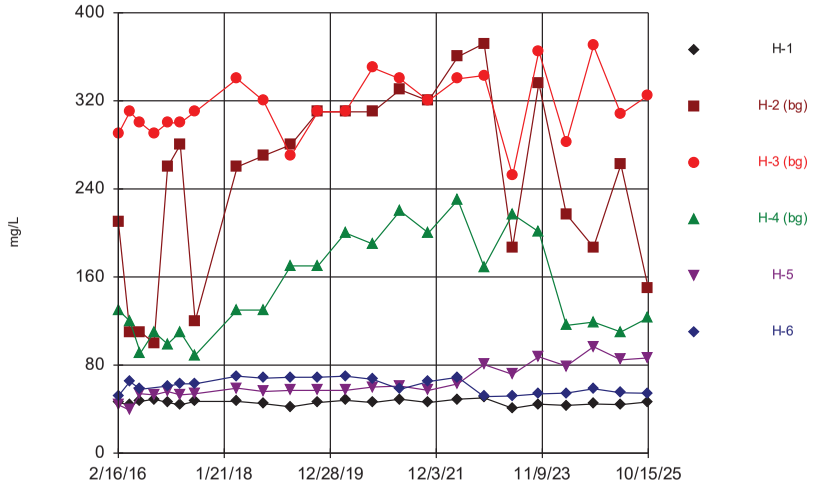
Time Series



Constituent: Boron And Borates Only Analysis Run 12/17/2025 8:07 AM
Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Sanitas™ v.10.1.02 Software licensed to Allied Environmental Consultants, Inc. EPA

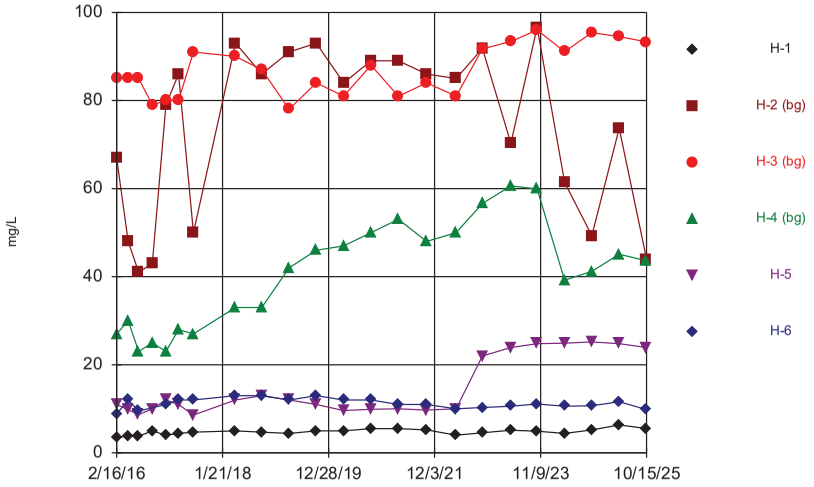
Time Series



Constituent: Calcium Analysis Run 12/17/2025 8:07 AM
Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Sanitas™ v.10.1.02 Software licensed to Allied Environmental Consultants, Inc. EPA

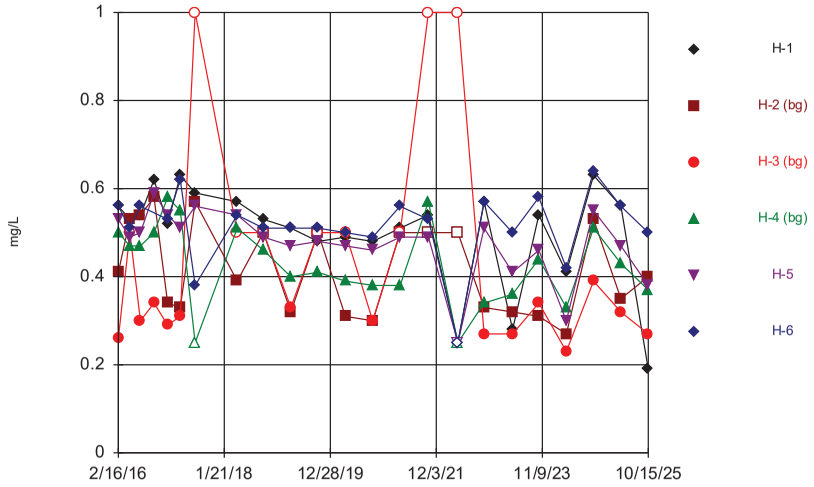
Time Series



Constituent: Chloride Analysis Run 12/17/2025 8:07 AM
Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

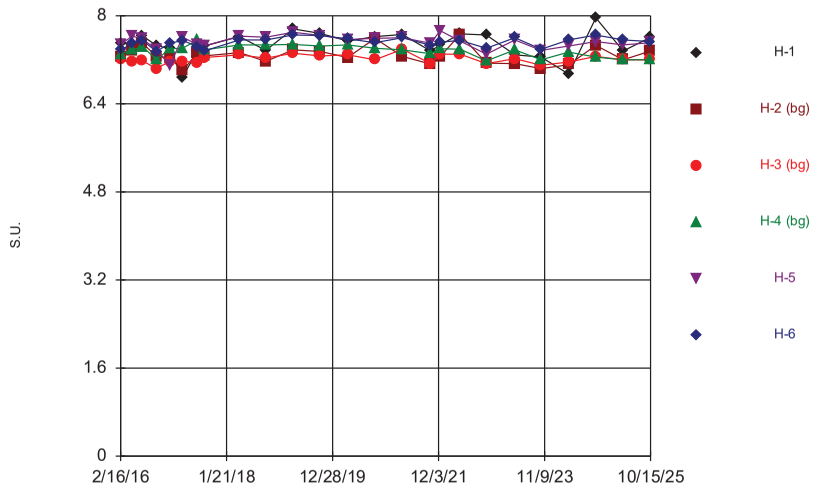
Sanitas™ v.10.1.02 Software licensed to Allied Environmental Consultants, Inc. EPA
Hollow symbols indicate censored values.

Time Series



Constituent: Fluoride Analysis Run 12/17/2025 8:07 AM
Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Time Series

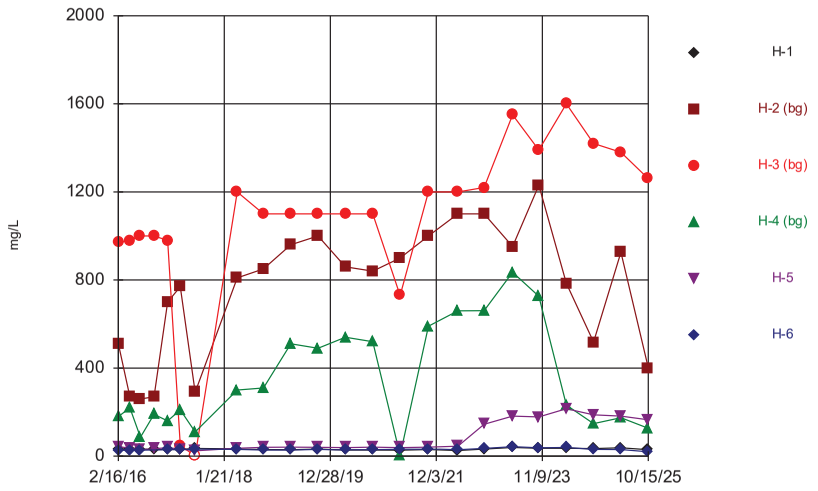


Constituent: pH Analysis Run 12/17/2025 8:07 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Hollow symbols indicate censored values.

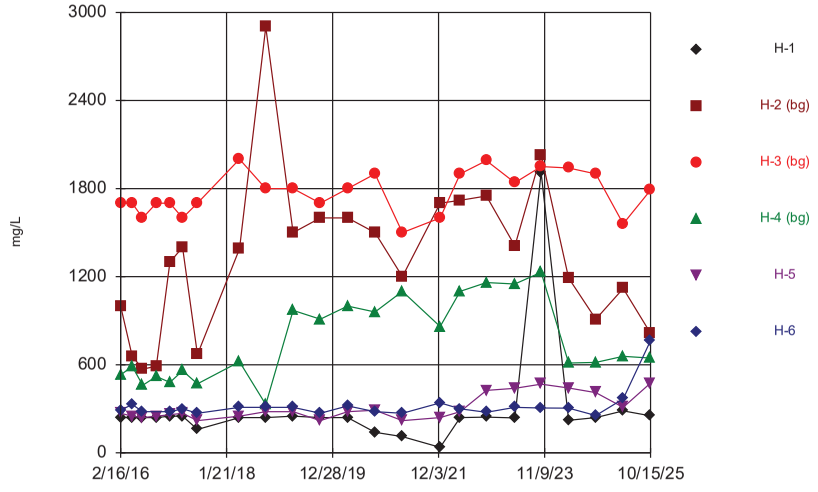
Time Series



Constituent: Sulfate Analysis Run 12/17/2025 8:07 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Time Series



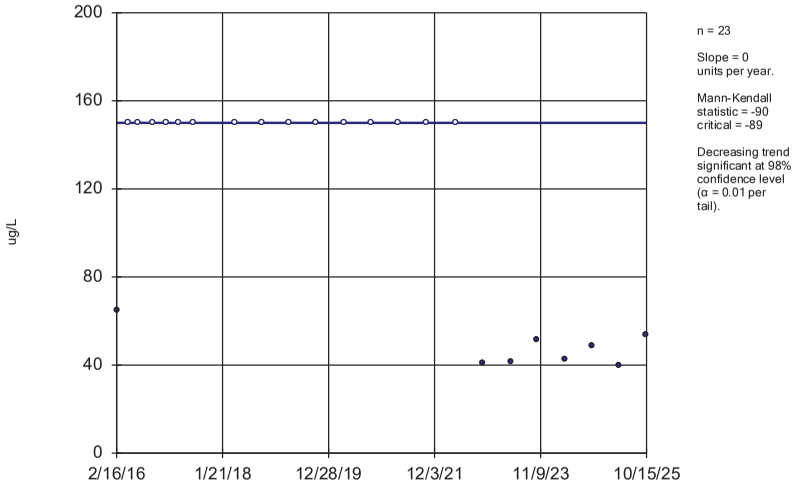
Constituent: Total Dissolved Solids Analysis Run 12/17/2025 8:07 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Hollow symbols indicate censored values.

Sen's Slope Estimator

H-1



n = 23

Slope = 0 units per year.

Mann-Kendall statistic = -90
critical = -89

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Boron And Borates Only Analysis Run 12/17/2025 8:06 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

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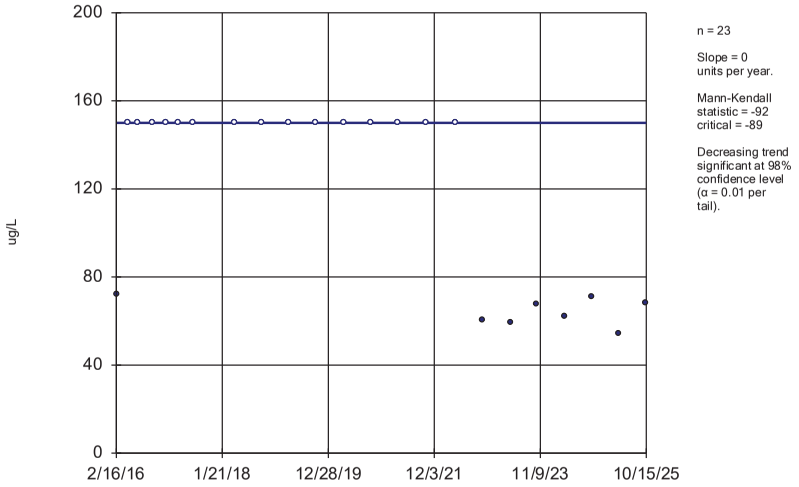
Hollow symbols indicate censored values.

Sen's Slope Estimator

H-2 (bg)



n = 23

Slope = 0 units per year.

Mann-Kendall statistic = -92
critical = -89

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Boron And Borates Only Analysis Run 12/17/2025 8:06 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

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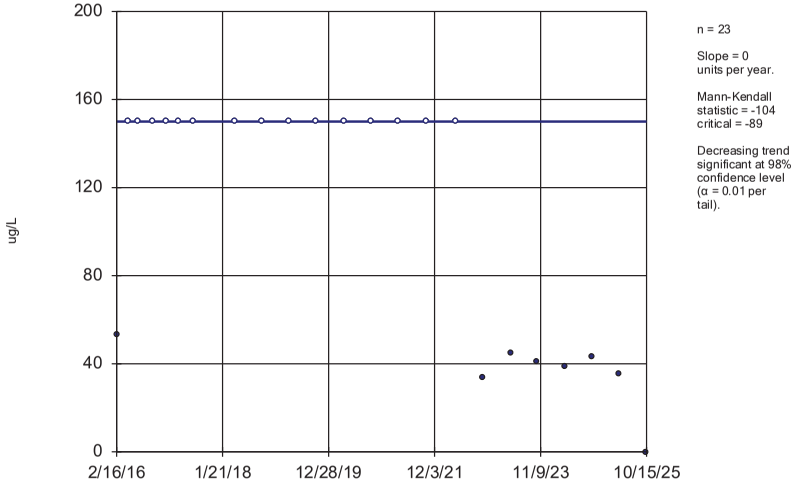
Hollow symbols indicate censored values.

Sen's Slope Estimator

H-4 (bg)



n = 23

Slope = 0 units per year.

Mann-Kendall statistic = -104
critical = -89

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

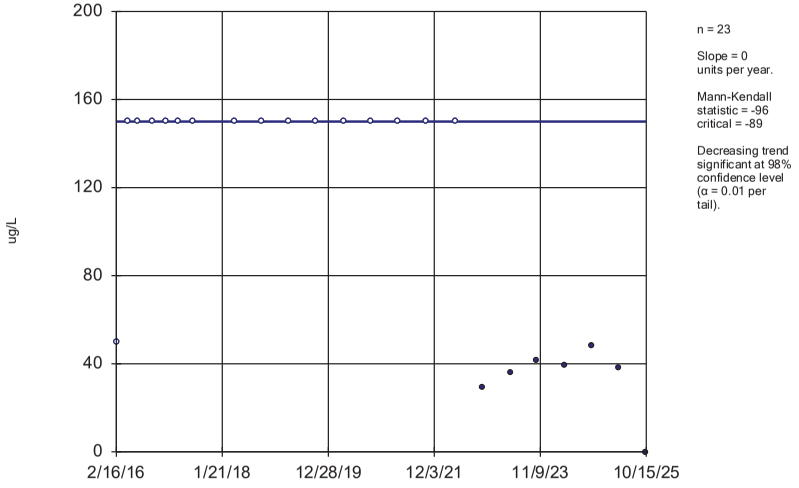
Constituent: Boron And Borates Only Analysis Run 12/17/2025 8:06 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Sanitas™ v.10.1.02 Software licensed to Allied Environmental Consultants, Inc. EPA
Hollow symbols indicate censored values.

Sen's Slope Estimator

H-5



n = 23

Slope = 0 units per year.

Mann-Kendall statistic = -96
critical = -89

Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

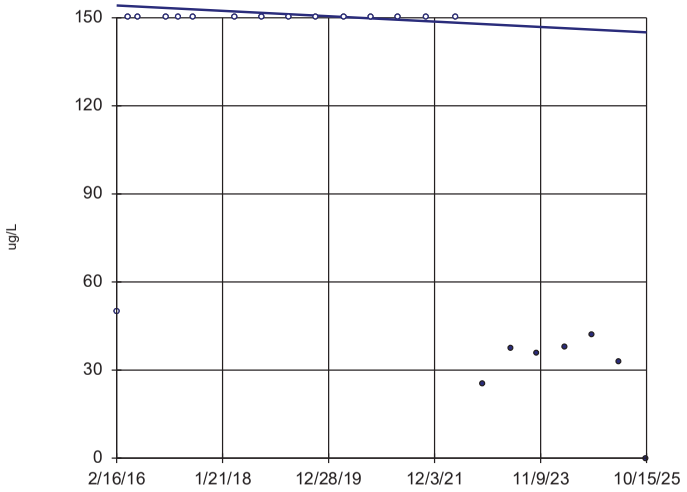
Constituent: Boron And Borates Only Analysis Run 12/17/2025 8:06 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Hollow symbols indicate censored values.

Sen's Slope Estimator

H-6



n = 22

Slope = -0.946 units per year.

Mann-Kendall statistic = -92
critical = -84

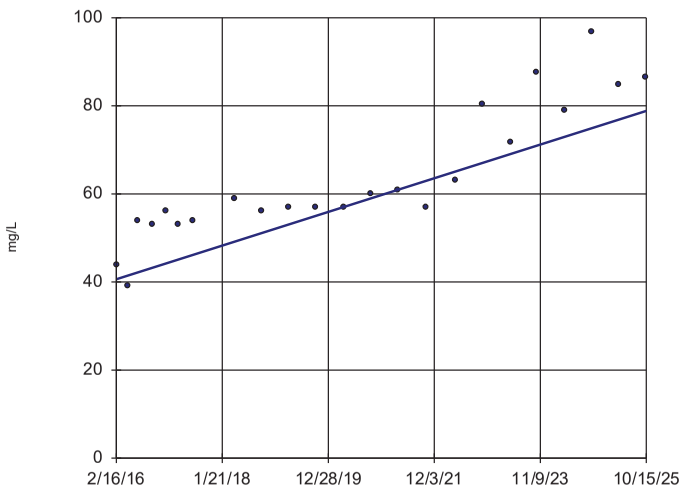
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Boron And Borates Only Analysis Run 12/17/2025 8:06 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Sen's Slope Estimator

H-5



n = 23

Slope = 3.953 units per year.

Mann-Kendall statistic = 206
critical = 89

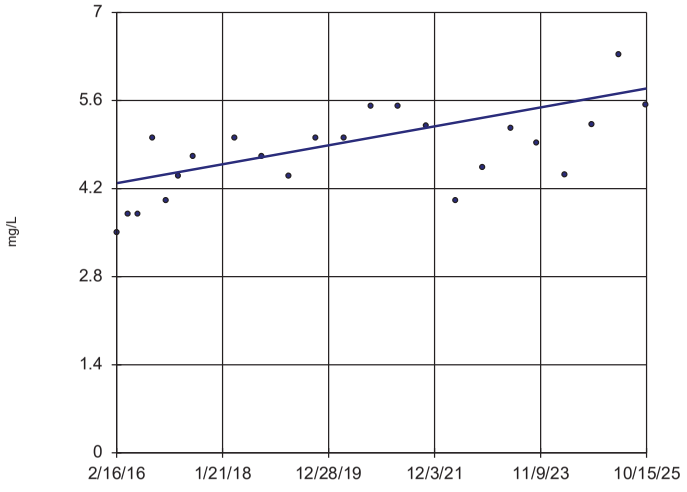
Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Calcium Analysis Run 12/17/2025 8:06 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Sen's Slope Estimator

H-1



n = 23

Slope = 0.1558 units per year.

Mann-Kendall statistic = 128
critical = 89

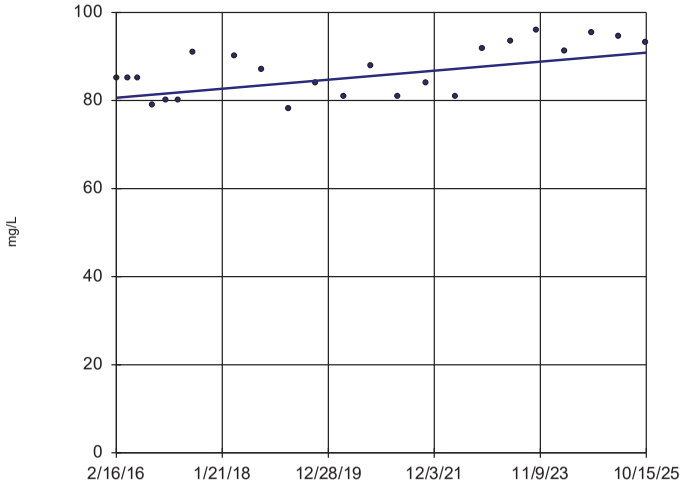
Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Chloride Analysis Run 12/17/2025 8:06 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Sen's Slope Estimator

H-3 (bg)



n = 23

Slope = 1.06 units per year.

Mann-Kendall statistic = 105
critical = 89

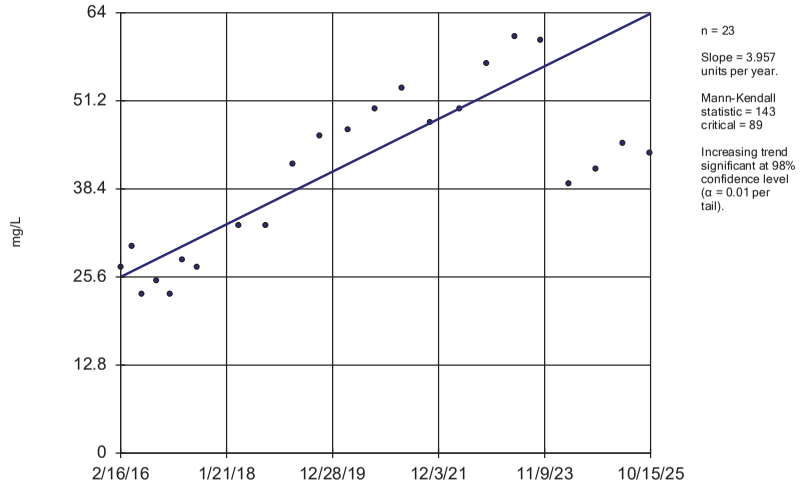
Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Chloride Analysis Run 12/17/2025 8:06 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Sen's Slope Estimator

H-4 (bg)



n = 23

Slope = 3.957 units per year.

Mann-Kendall statistic = 143
critical = 89

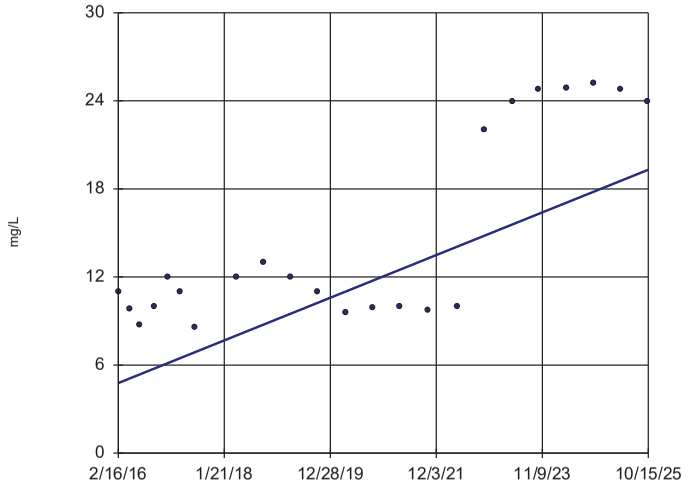
Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Chloride Analysis Run 12/17/2025 8:06 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Sen's Slope Estimator

H-5



n = 23

Slope = 1.502 units per year.

Mann-Kendall statistic = 114
critical = 89

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

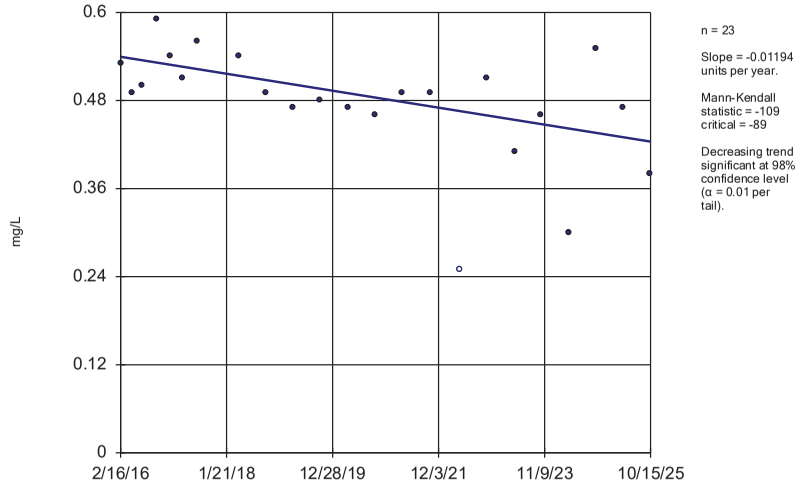
Constituent: Chloride Analysis Run 12/17/2025 8:06 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Hollow symbols indicate censored values.

Sen's Slope Estimator

H-5



n = 23

Slope = -0.01194 units per year.

Mann-Kendall statistic = -109
critical = -89

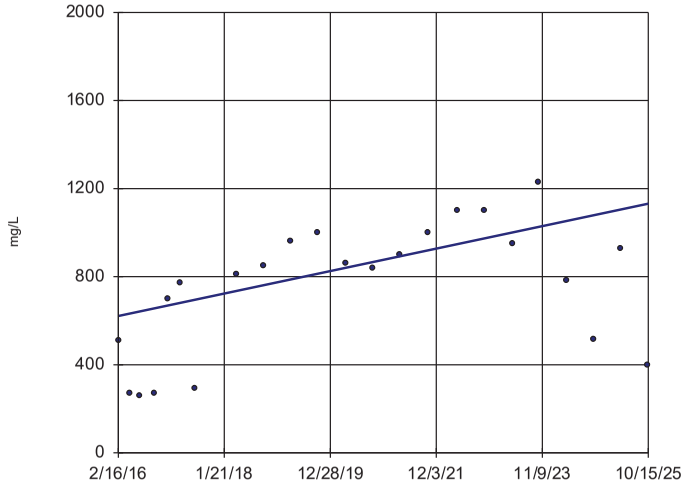
Decreasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Fluoride Analysis Run 12/17/2025 8:06 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Sen's Slope Estimator

H-2 (bg)



n = 23

Slope = 52.71 units per year.

Mann-Kendall statistic = 106
critical = 89

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

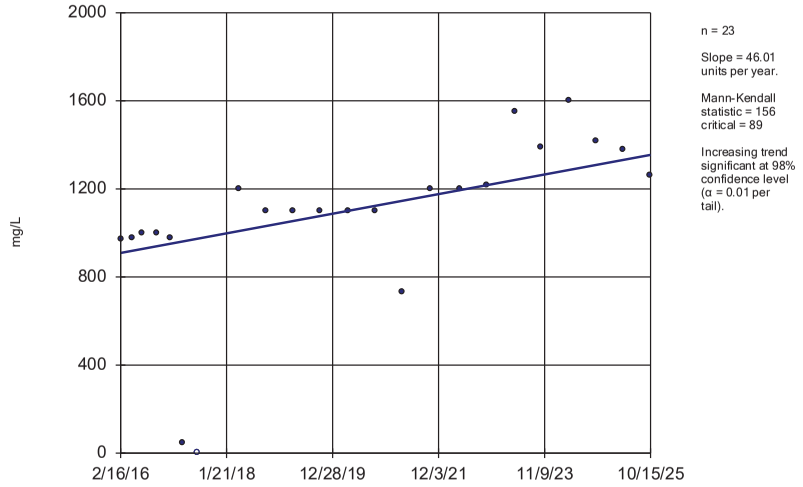
Constituent: Sulfate Analysis Run 12/17/2025 8:06 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Hollow symbols indicate censored values.

Sen's Slope Estimator

H-3 (bg)



n = 23

Slope = 46.01 units per year.

Mann-Kendall statistic = 156 critical = 89

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Sulfate Analysis Run 12/17/2025 8:06 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

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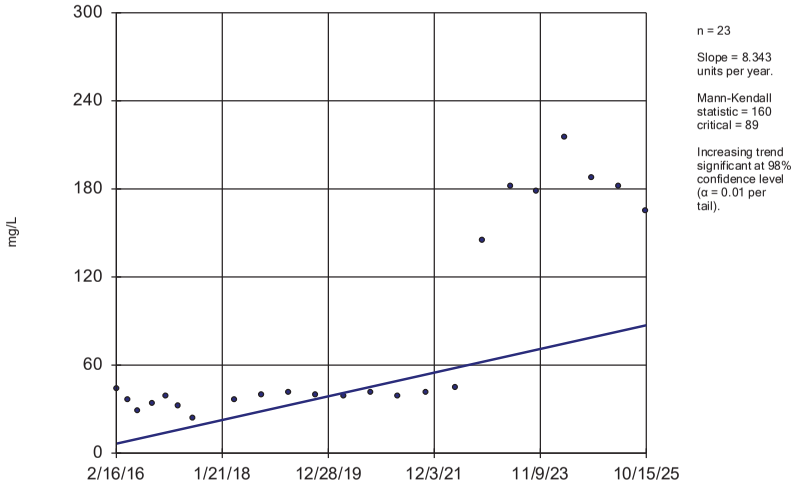
Sen's Slope Estimator

H-5



n = 23

Slope = 8.343 units per year.

Mann-Kendall statistic = 160 critical = 89

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

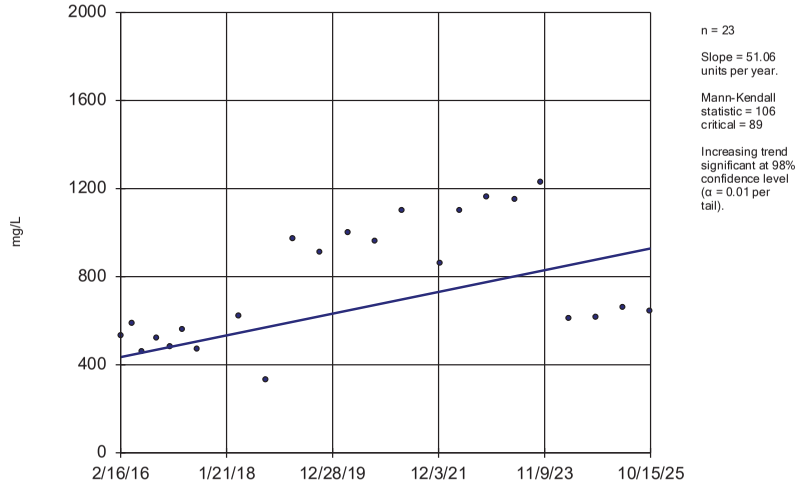
Constituent: Sulfate Analysis Run 12/17/2025 8:06 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Sanitas™ v.10.1.02 Software licensed to Allied Environmental Consultants, Inc. EPA

Sen's Slope Estimator

H-4 (bg)



n = 23

Slope = 51.06 units per year.

Mann-Kendall statistic = 106 critical = 89

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

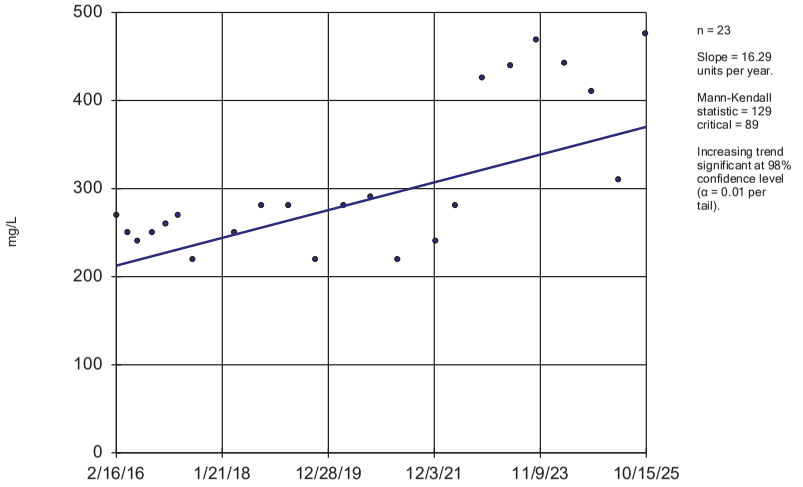
Constituent: Total Dissolved Solids Analysis Run 12/17/2025 8:06 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Sanitas™ v.10.1.02 Software licensed to Allied Environmental Consultants, Inc. EPA

Sen's Slope Estimator

H-5



n = 23

Slope = 16.29 units per year.

Mann-Kendall statistic = 129 critical = 89

Increasing trend significant at 98% confidence level (α = 0.01 per tail).

Constituent: Total Dissolved Solids Analysis Run 12/17/2025 8:06 AM

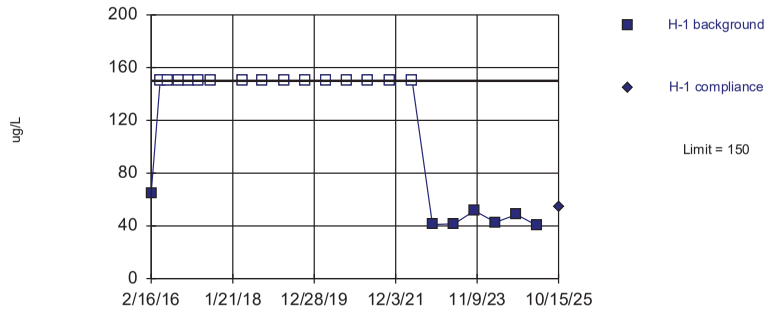
Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric

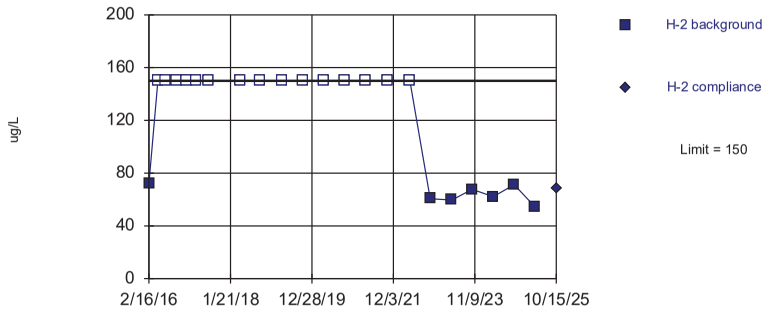


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 68.18% NDs. Report alpha = 0.04348. Most recent point compared to limit. Insufficient data to test for seasonality: data were not deseasonalized.

Constituent: Boron And Borates Only Analysis Run 12/17/2025 8:03 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Sanitas™ v.10.1.02 Software licensed to Allied Environmental Consultants, Inc. EPA
Hollow symbols indicate censored values.
Within Limit
Prediction Limit
Intrawell Non-parametric

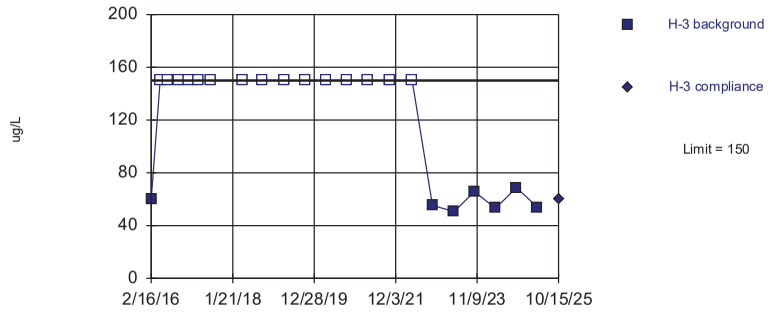


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 68.18% NDs. Report alpha = 0.04348. Most recent point compared to limit. Insufficient data to test for seasonality: data were not deseasonalized.

Constituent: Boron And Borates Only Analysis Run 12/17/2025 8:03 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Sanitas™ v.10.1.02 Software licensed to Allied Environmental Consultants, Inc. EPA
Hollow symbols indicate censored values.
Within Limit
Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 68.18% NDs. Report alpha = 0.04348. Most recent point compared to limit. Insufficient data to test for seasonality: data were not deseasonalized.

Constituent: Boron And Borates Only Analysis Run 12/17/2025 8:03 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

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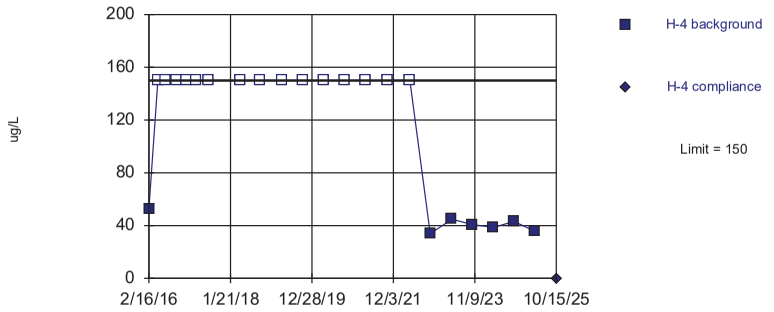
Hollow symbols indicate censored values.
Within Limit
Prediction Limit
Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 68.18% NDs. Report alpha = 0.04348. Most recent point compared to limit. Insufficient data to test for seasonality: data were not deseasonalized.

Constituent: Boron And Borates Only Analysis Run 12/17/2025 8:03 AM

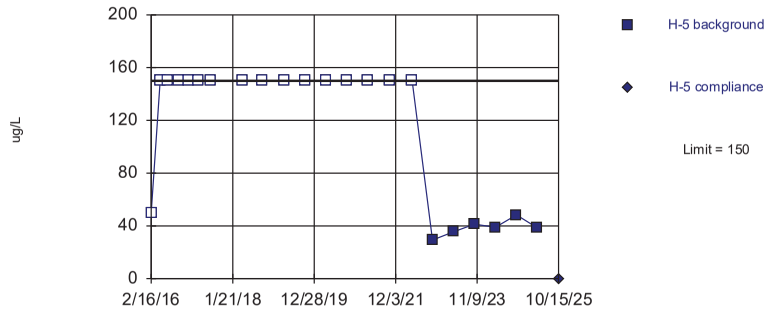
Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 72.73% NDs. Report alpha = 0.04348. Most recent point compared to limit. Insufficient data to test for seasonality: data were not deseasonalized.

Constituent: Boron And Borates Only Analysis Run 12/17/2025 8:03 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

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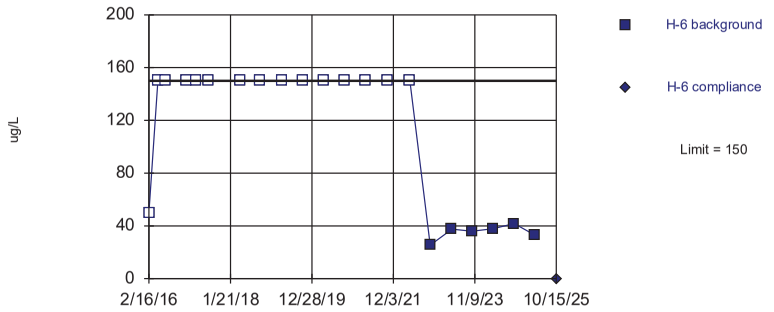
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 71.43% NDs. Report alpha = 0.04545. Most recent point compared to limit. Insufficient data to test for seasonality: data were not deseasonalized.

Constituent: Boron And Borates Only Analysis Run 12/17/2025 8:03 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

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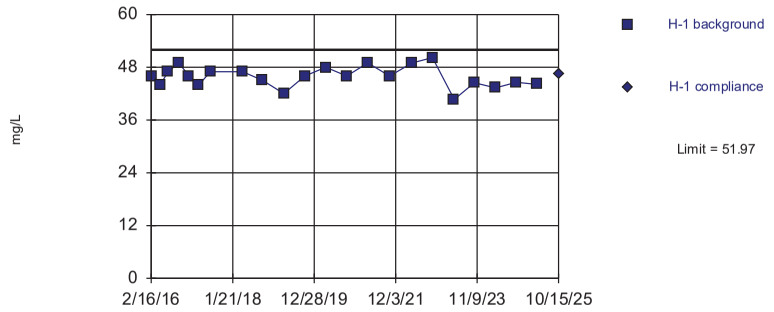
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=45.84, Std. Dev.=2.383, n=22. Insufficient data to test for seasonality: data were not deseasonalized. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9753, critical = 0.911. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Calcium Analysis Run 12/17/2025 8:03 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

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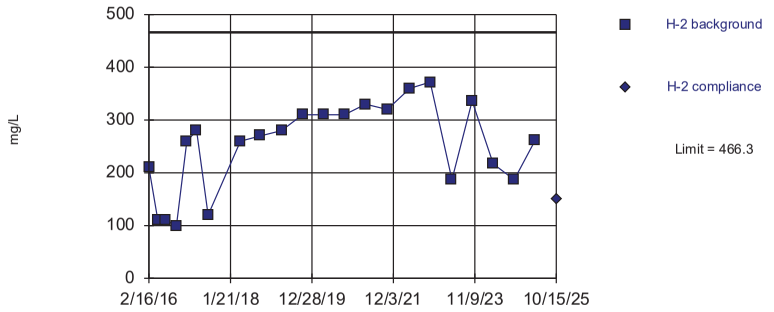
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=250, Std. Dev.=84.02, n=22. Insufficient data to test for seasonality: data were not deseasonalized. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9212, critical = 0.911. Report alpha = 0.01. Most recent point compared to limit.

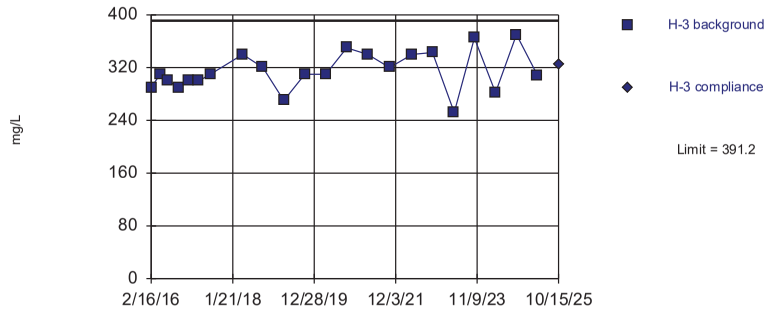
Constituent: Calcium Analysis Run 12/17/2025 8:03 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=314.5, Std. Dev.=29.77, n=22. Insufficient data to test for seasonality: data were not deseasonalized. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9736, critical = 0.911. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Calcium Analysis Run 12/17/2025 8:03 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

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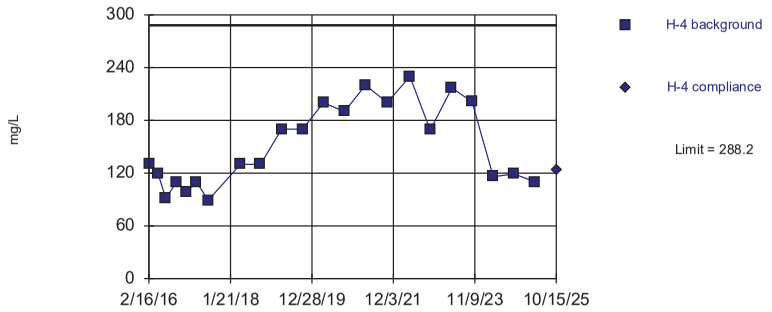
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square root transformation): Mean=12.15, Std. Dev.=1.875, n=22. Insufficient data to test for seasonality: data were not deseasonalized. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9128, critical = 0.911. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Calcium Analysis Run 12/17/2025 8:03 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

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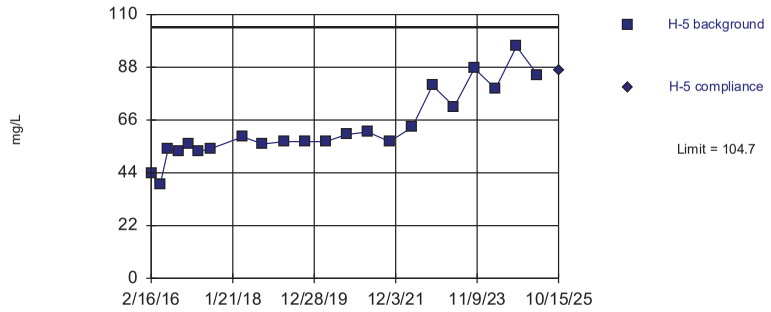
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on cube root transformation): Mean=3.952, Std. Dev.=0.2958, n=22. Insufficient data to test for seasonality: data were not deseasonalized. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9166, critical = 0.911. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Calcium Analysis Run 12/17/2025 8:03 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

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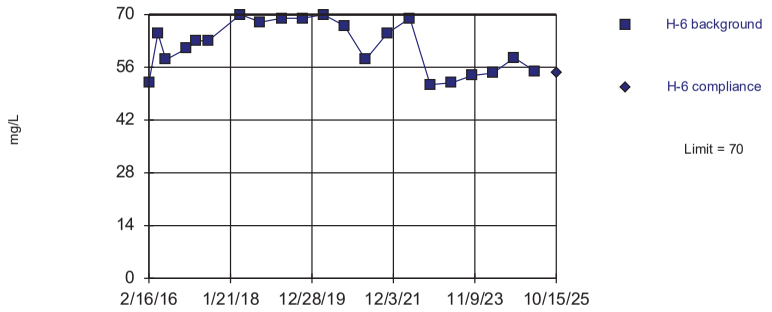
Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.05 alpha level. Limit is highest of 21 background values. Report alpha = 0.04545. Most recent point compared to limit. Insufficient data to test for seasonality: data were not deseasonalized.

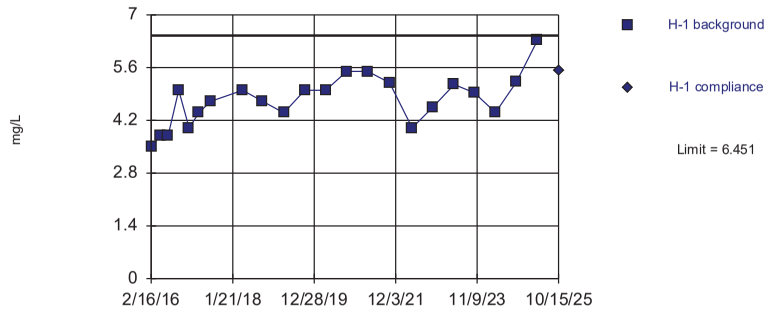
Constituent: Calcium Analysis Run 12/17/2025 8:03 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=4.731, Std. Dev.=0.6684, n=22. Insufficient data to test for seasonality: data were not deseasonalized. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9693, critical = 0.911. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Chloride Analysis Run 12/17/2025 8:03 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

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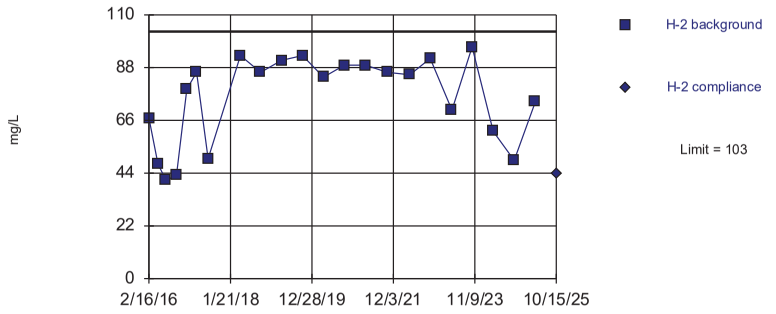
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on x^4 transformation): Mean=4.2e7, Std. Dev.=2.8e7, n=22. Insufficient data to test for seasonality: data were not deseasonalized. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9149, critical = 0.911. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Chloride Analysis Run 12/17/2025 8:03 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

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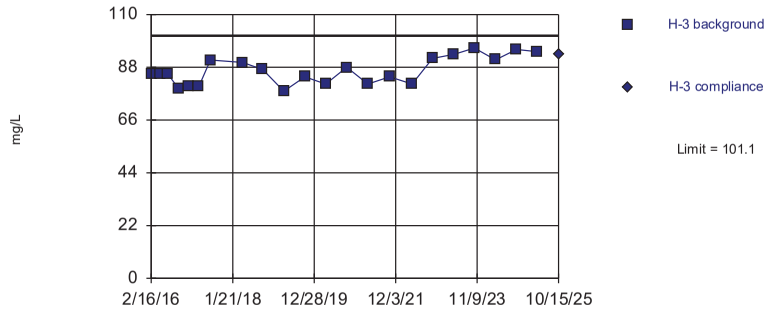
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=86.41, Std. Dev.=5.72, n=22. Insufficient data to test for seasonality: data were not deseasonalized. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9363, critical = 0.911. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Chloride Analysis Run 12/17/2025 8:03 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

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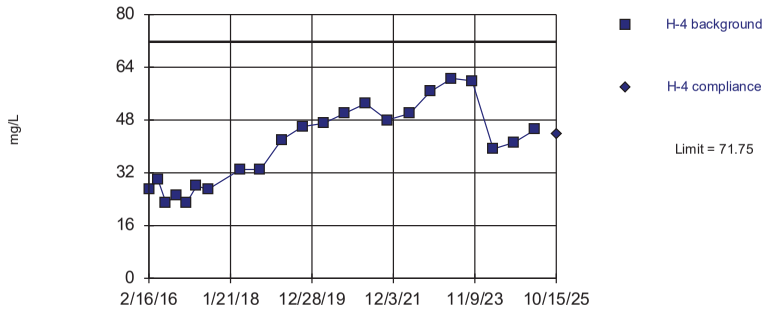
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=40.35, Std. Dev.=12.2, n=22. Insufficient data to test for seasonality: data were not deseasonalized. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9372, critical = 0.911. Report alpha = 0.01. Most recent point compared to limit.

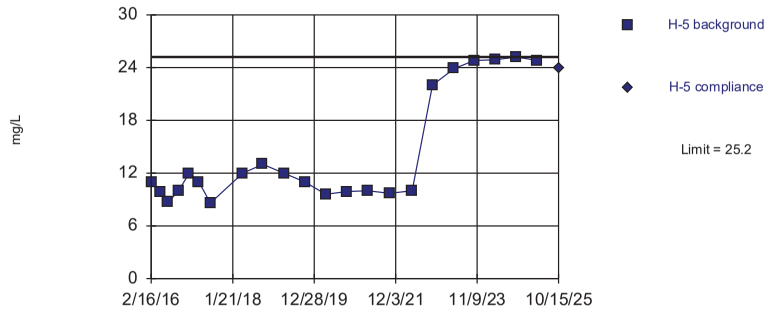
Constituent: Chloride Analysis Run 12/17/2025 8:03 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.05 alpha level. Limit is highest of 22 background values. Report alpha = 0.04348. Most recent point compared to limit. Insufficient data to test for seasonality: data were not deseasonalized.

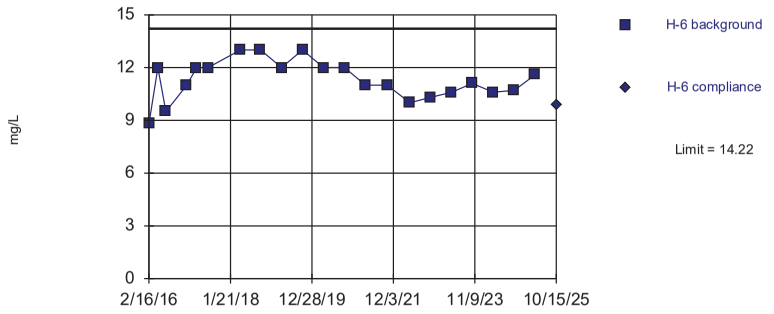
Constituent: Chloride Analysis Run 12/17/2025 8:03 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=11.3, Std. Dev.=1.13, n=21. Insufficient data to test for seasonality: data were not deseasonalized. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9514, critical = 0.908. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Chloride Analysis Run 12/17/2025 8:03 AM

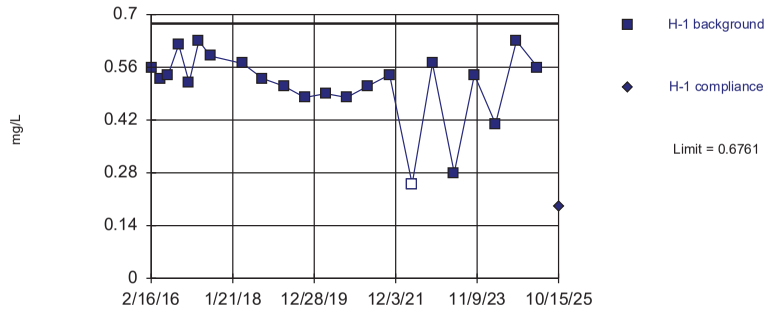
Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on cube transformation): Mean=0.1494, Std. Dev.=0.06199, n=22, 4.545% NDs. Insufficient data to test for seasonality: data were not deseasonalized. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9467, critical = 0.911. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Fluoride Analysis Run 12/17/2025 8:03 AM

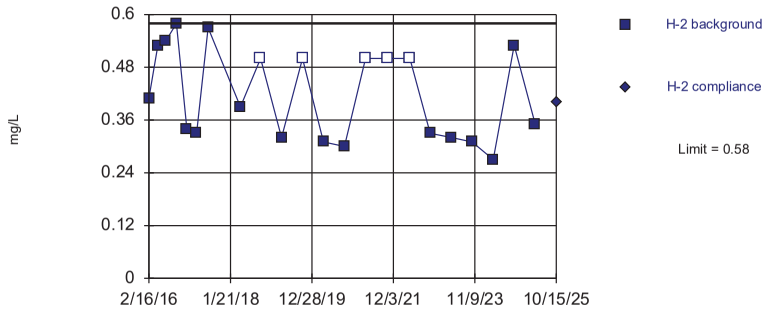
Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.05 alpha level. Limit is highest of 22 background values. 22.73% NDs. Report alpha = 0.04348. Most recent point compared to limit. Insufficient data to test for seasonality: data were not deseasonalized.

Constituent: Fluoride Analysis Run 12/17/2025 8:03 AM

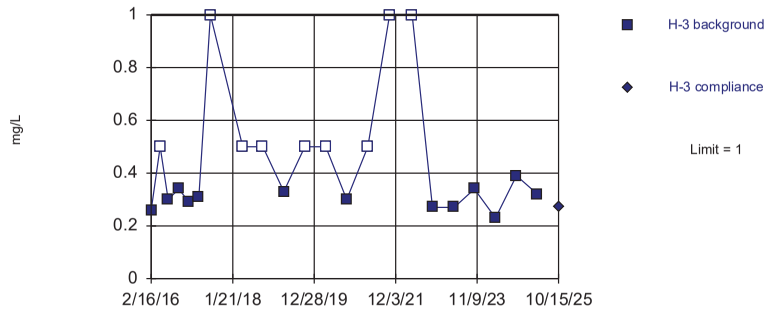
Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.05 alpha level. Limit is highest of 22 background values. 40.91% NDs. Report alpha = 0.04348. Most recent point compared to limit. Insufficient data to test for seasonality: data were not deseasonalized.

Constituent: Fluoride Analysis Run 12/17/2025 8:03 AM

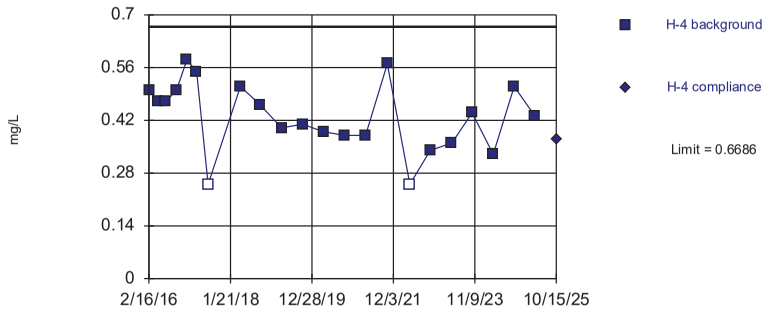
Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.4309, Std. Dev.=0.09232, n=22, 9.091% NDs. Insufficient data to test for seasonality: data were not deseasonalized. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9675, critical = 0.911. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Fluoride Analysis Run 12/17/2025 8:03 AM

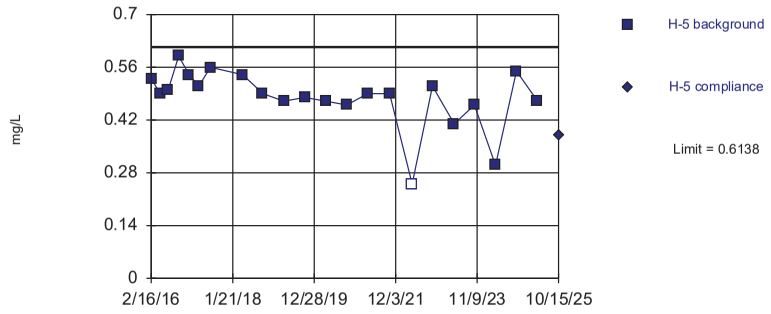
Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on cube transformation): Mean=0.1182, Std. Dev.=0.04393, n=22, 4.545% NDs. Insufficient data to test for seasonality: data were not deseasonalized. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9452, critical = 0.911. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Fluoride Analysis Run 12/17/2025 8:03 AM

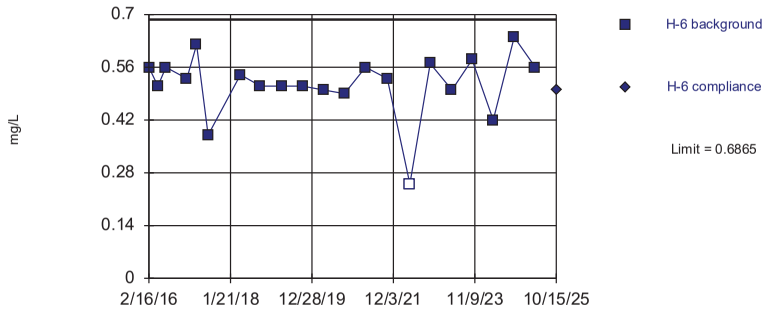
Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square transformation): Mean=0.2727, Std. Dev.=0.07676, n=21, 4.762% NDs. Insufficient data to test for seasonality: data were not deseasonalized. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9193, critical = 0.908. Report alpha = 0.01. Most recent point compared to limit.

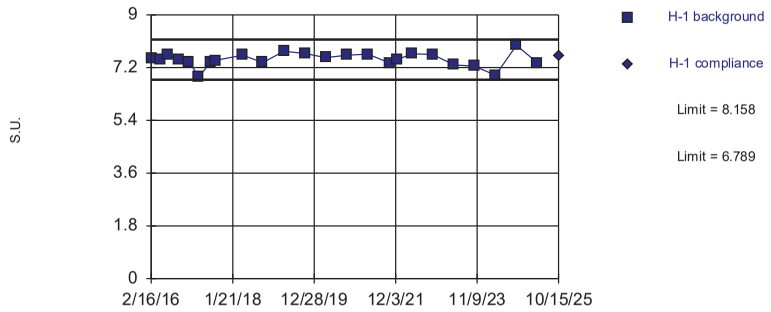
Constituent: Fluoride Analysis Run 12/17/2025 8:03 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=7.474, Std. Dev.=0.2389, n=24. Insufficient data to test for seasonality: data were not deseasonalized. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9372, critical = 0.916. Report alpha = 0.01. Most recent point compared to limit.

Constituent: pH Analysis Run 12/17/2025 8:03 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

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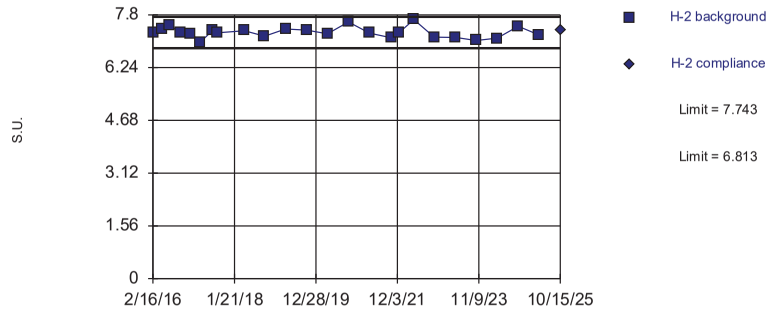
Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=7.278, Std. Dev.=0.1622, n=24. Insufficient data to test for seasonality: data were not deseasonalized. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9627, critical = 0.916. Report alpha = 0.01. Most recent point compared to limit.

Constituent: pH Analysis Run 12/17/2025 8:03 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

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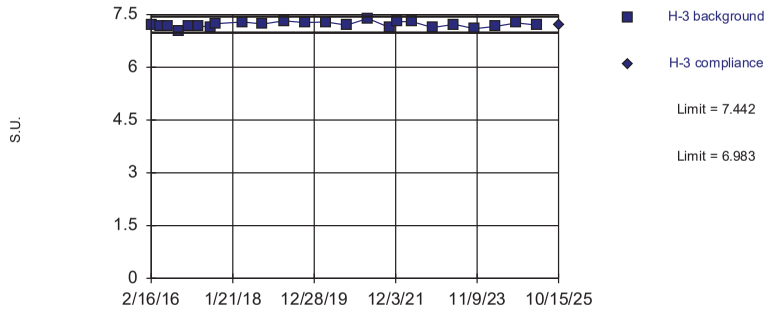
Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=7.213, Std. Dev.=0.08012, n=24. Insufficient data to test for seasonality: data were not deseasonalized. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9862, critical = 0.916. Report alpha = 0.01. Most recent point compared to limit.

Constituent: pH Analysis Run 12/17/2025 8:03 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

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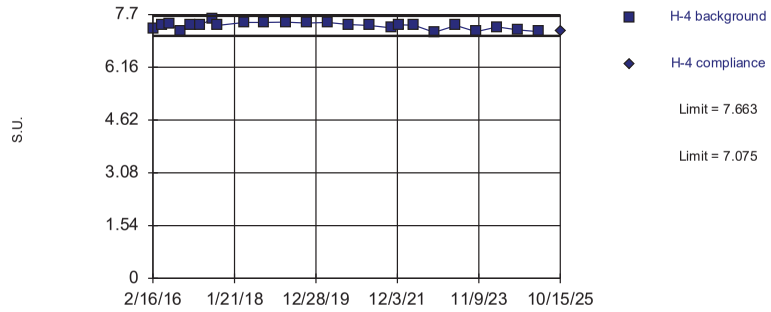
Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=7.369, Std. Dev.=0.1025, n=24. Insufficient data to test for seasonality: data were not deseasonalized. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9292, critical = 0.916. Report alpha = 0.01. Most recent point compared to limit.

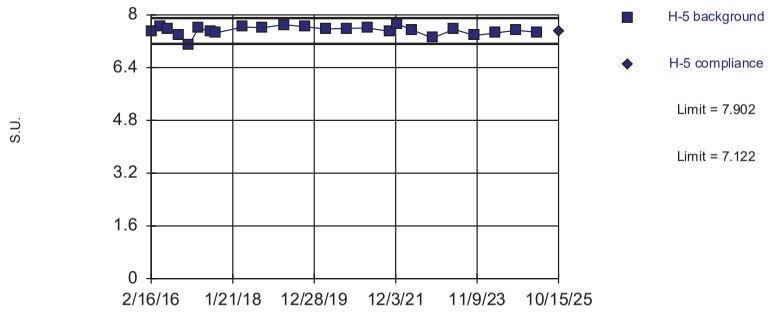
Constituent: pH Analysis Run 12/17/2025 8:03 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square transformation): Mean=56.58, Std. Dev.=2.043, n=24. Insufficient data to test for seasonality: data were not deseasonalized. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9221, critical = 0.916. Report alpha = 0.01. Most recent point compared to limit.

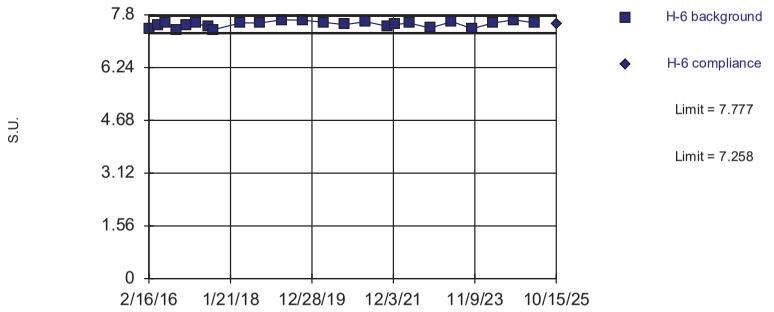
Constituent: pH Analysis Run 12/17/2025 8:03 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=7.518, Std. Dev.=0.09042, n=24. Insufficient data to test for seasonality: data were not deseasonalized. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9347, critical = 0.916. Report alpha = 0.01. Most recent point compared to limit.

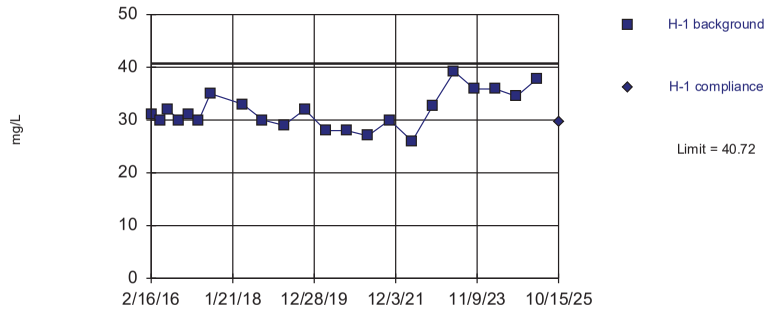
Constituent: pH Analysis Run 12/17/2025 8:03 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=31.73, Std. Dev.=3.492, n=22. Insufficient data to test for seasonality: data were not deseasonalized. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9617, critical = 0.911. Report alpha = 0.01. Most recent point compared to limit.

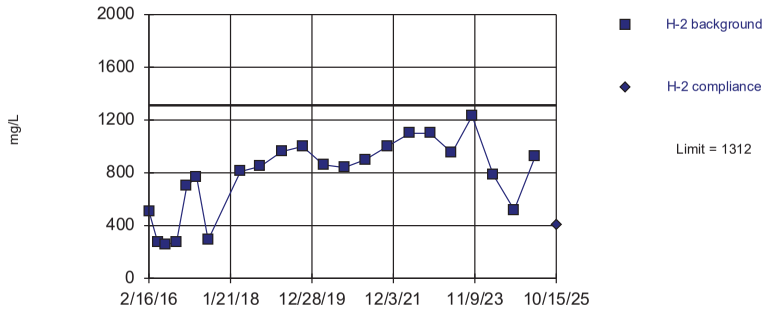
Constituent: Sulfate Analysis Run 12/17/2025 8:03 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square transformation): Mean=671688, Std. Dev.=407325, n=22. Insufficient data to test for seasonality: data were not deseasonalized. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9517, critical = 0.911. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Sulfate Analysis Run 12/17/2025 8:03 AM

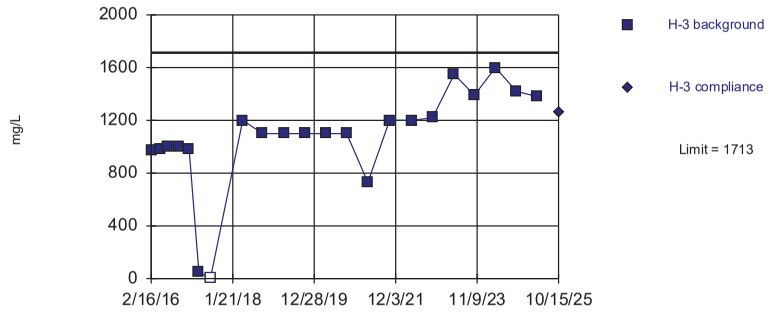
Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square transformation): Mean=1275950, Std. Dev.=643828, n=22, 4.545% NDs. Insufficient data to test for seasonality: data were not deseasonalized. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9471, critical = 0.911. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Sulfate Analysis Run 12/17/2025 8:03 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

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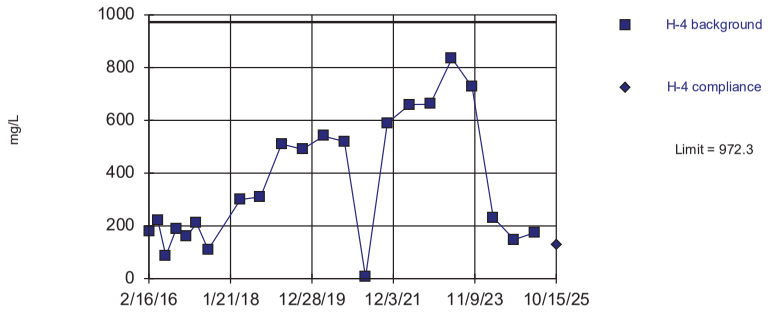
Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=357.2, Std. Dev.=238.9, n=22. Insufficient data to test for seasonality: data were not deseasonalized. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9211, critical = 0.911. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Sulfate Analysis Run 12/17/2025 8:03 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

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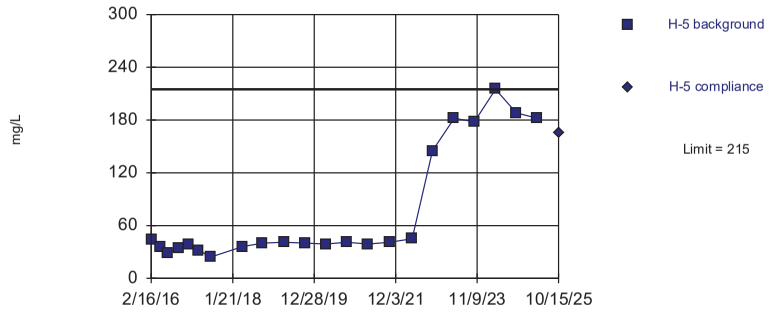
Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.05 alpha level. Limit is highest of 22 background values. Report alpha = 0.04348. Most recent point compared to limit. Insufficient data to test for seasonality: data were not deseasonalized.

Constituent: Sulfate Analysis Run 12/17/2025 8:03 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

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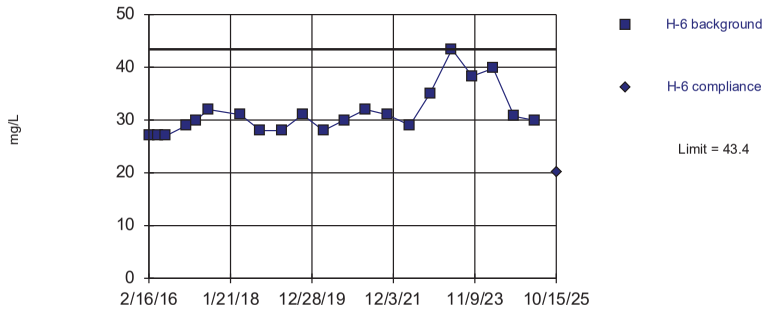
Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.05 alpha level. Limit is highest of 21 background values. Report alpha = 0.04545. Most recent point compared to limit. Insufficient data to test for seasonality: data were not deseasonalized.

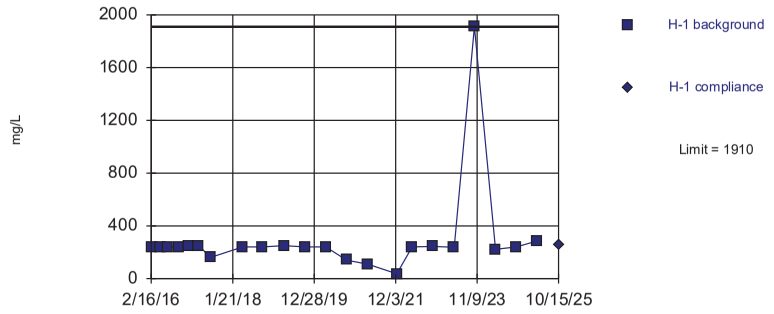
Constituent: Sulfate Analysis Run 12/17/2025 8:03 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.05 alpha level. Limit is highest of 22 background values. Report alpha = 0.04348. Most recent point compared to limit. Insufficient data to test for seasonality: data were not deseasonalized.

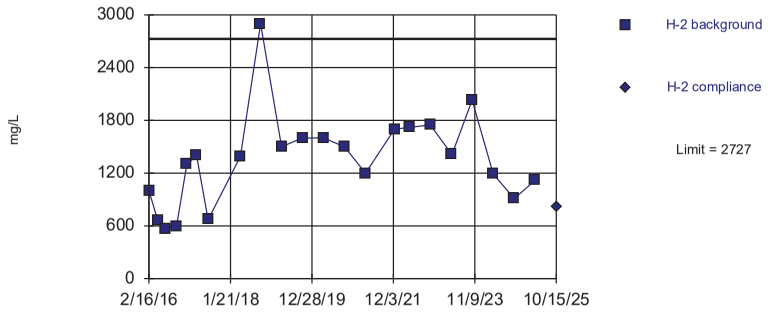
Constituent: Total Dissolved Solids Analysis Run 12/17/2025 8:03 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=1350, Std. Dev.=534.8, n=22. Insufficient data to test for seasonality: data were not deseasonalized. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9265, critical = 0.911. Report alpha = 0.01. Most recent point compared to limit.

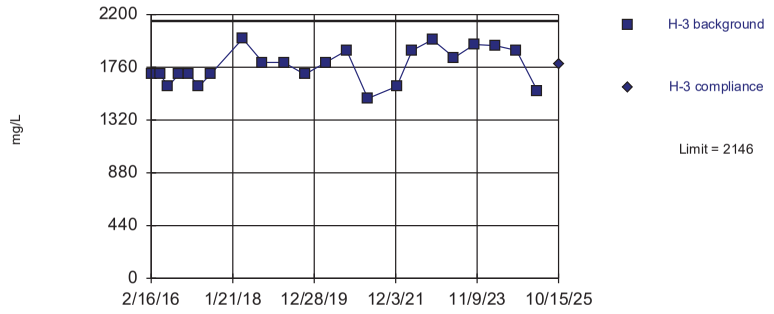
Constituent: Total Dissolved Solids Analysis Run 12/17/2025 8:03 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=1767, Std. Dev.=147, n=22. Insufficient data to test for seasonality: data were not deseasonalized. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9476, critical = 0.911. Report alpha = 0.01. Most recent point compared to limit.

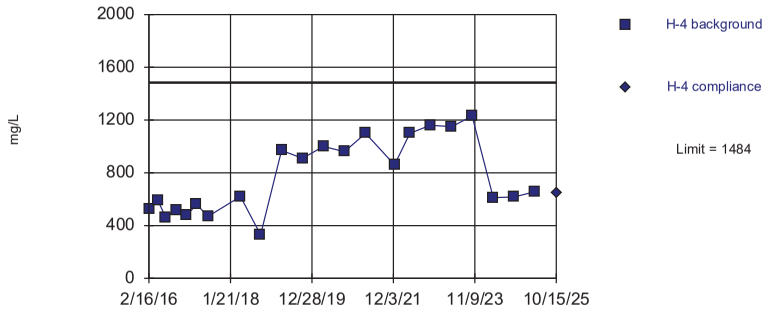
Constituent: Total Dissolved Solids Analysis Run 12/17/2025 8:04 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=767.5, Std. Dev.=278.3, n=22. Insufficient data to test for seasonality: data were not deseasonalized. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9129, critical = 0.911. Report alpha = 0.01. Most recent point compared to limit.

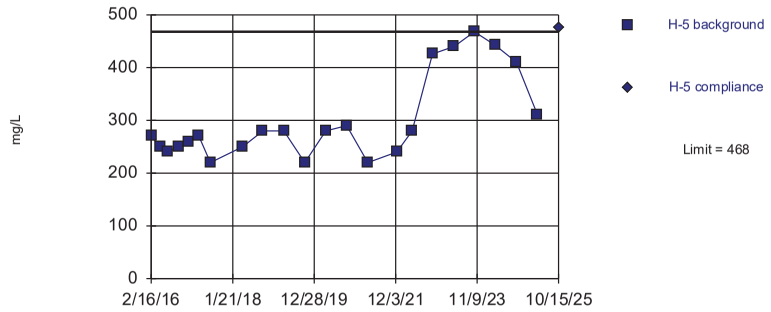
Constituent: Total Dissolved Solids Analysis Run 12/17/2025 8:04 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Exceeds Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.05 alpha level. Limit is highest of 22 background values. Report alpha = 0.04348. Most recent point compared to limit. Insufficient data to test for seasonality: data were not deseasonalized.

Constituent: Total Dissolved Solids Analysis Run 12/17/2025 8:04 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

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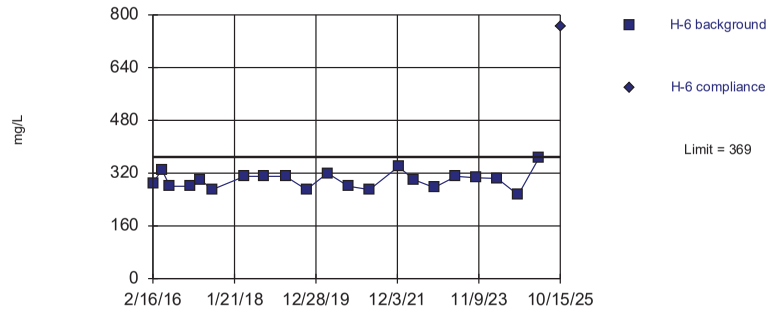
Exceeds Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=299, Std. Dev.=27.06, n=21. Insufficient data to test for seasonality: data were not deseasonalized. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9512, critical = 0.908. Report alpha = 0.01. Most recent point compared to limit.

Constituent: Total Dissolved Solids Analysis Run 12/17/2025 8:04 AM

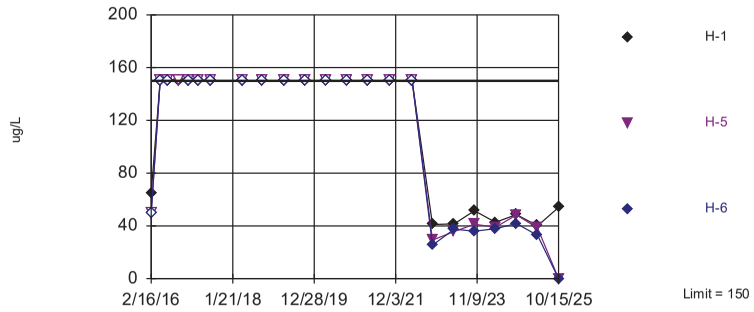
Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 69 background values. 65.22% NDs. Report alpha = 0.04167. Individual comparison alpha = 0.01409. Most recent point for each compliance well compared to limit. Seasonality was not detected with 95% confidence.

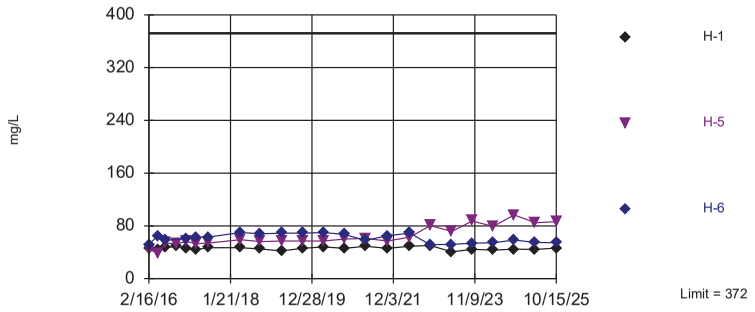
Constituent: Boron And Borates Only Analysis Run 12/17/2025 8:08 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Within Limit

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.05 alpha level. Limit is highest of 69 background values. Report alpha = 0.04167. Individual comparison alpha = 0.01409. Most recent point for each compliance well compared to limit. Seasonality was not detected with 95% confidence.

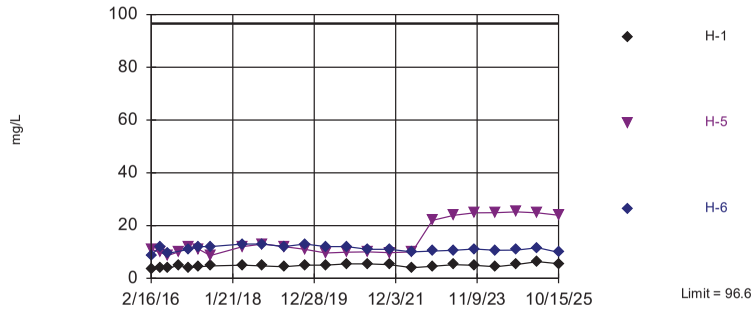
Constituent: Calcium Analysis Run 12/17/2025 8:08 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Within Limit

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.05 alpha level. Limit is highest of 69 background values. Report alpha = 0.04167. Individual comparison alpha = 0.01409. Most recent point for each compliance well compared to limit. Seasonality was not detected with 95% confidence.

Constituent: Chloride Analysis Run 12/17/2025 8:08 AM

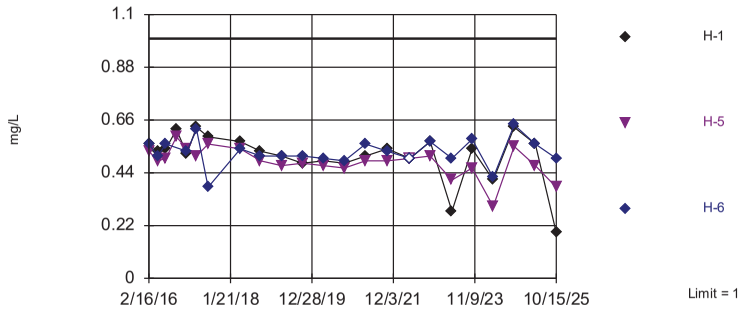
Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.05 alpha level. Limit is highest of 69 background values. 23.19% NDs. Report alpha = 0.04167. Individual comparison alpha = 0.01409. Most recent point for each compliance well compared to limit. Seasonality was not detected with 95% confidence.

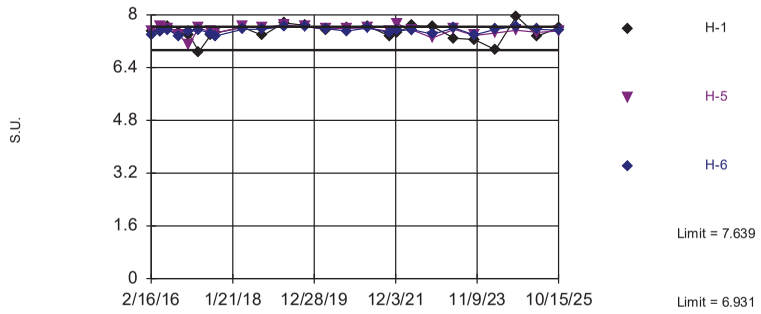
Constituent: Fluoride Analysis Run 12/17/2025 8:08 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Within Limits

Prediction Limit

Interwell Parametric



Background Data Summary: Mean=7.285, Std. Dev.=0.1331, n=75. Seasonality was not detected with 95% confidence. Normality test: Shapiro Francia @alpha = 0.05, calculated = 0.9824, critical = 0.969. Report alpha = 0.0297. Individual comparison alpha = 0.005. Most recent point for each compliance well compared to limit.

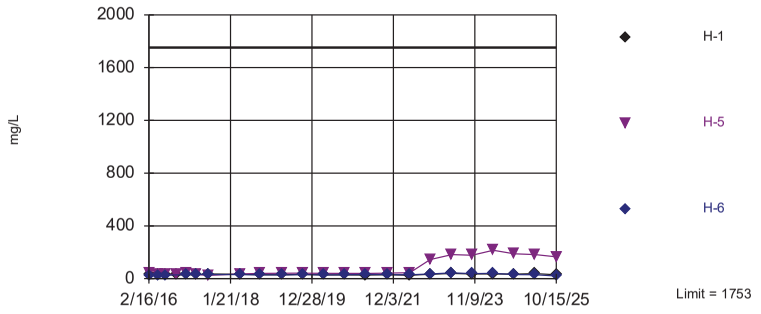
Constituent: pH Analysis Run 12/17/2025 8:08 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Within Limit

Prediction Limit

Interwell Parametric



Background Data Summary: Mean=723.4, Std. Dev.=428.8, n=69, 1.449% NDs. Seasonality was not detected with 95% confidence. Normality test: Shapiro Francia @alpha = 0.05, calculated = 0.9662, critical = 0.966. Report alpha = 0.0297. Individual comparison alpha = 0.01. Most recent point for each compliance well compared to limit.

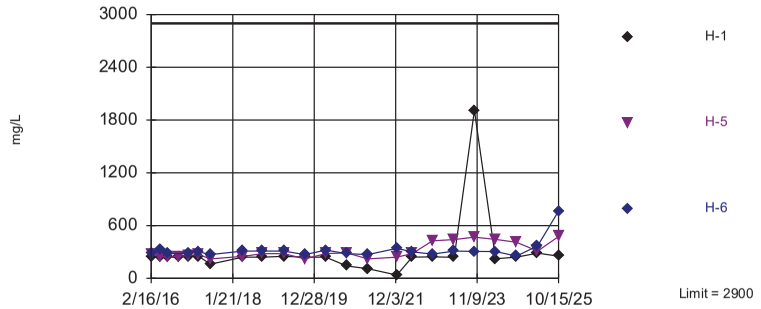
Constituent: Sulfate Analysis Run 12/17/2025 8:08 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

Within Limit

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.05 alpha level. Limit is highest of 69 background values. Report alpha = 0.04167. Individual comparison alpha = 0.01409. Most recent point for each compliance well compared to limit. Seasonality was not detected with 95% confidence.

Constituent: Total Dissolved Solids Analysis Run 12/17/2025 8:08 AM

Holcomb Station CCR LF Client: Sunflower Electric Power Corp. Data: Sanitas Export 20251015

ATTACHMENT 5

FIELD DATA SHEETS

SUNFLOWER ELECTRIC POWER CORPORATION
HOLCOMB STATION INDUSTRIAL LANDFILL
SOLID WASTE PERMIT NO. 420
WELL DATA

WELL ID	DATE	TIME	TOC[1] (Elevation, FT-MSL)	DTW[2] (Feet)	SWL[3] (Elevation FT-MSL)	WELL T.D.[4]
H1	10/9/2025	8:19	**2,924.54**	234.3	2,690.24	2638.93
H2	10/9/2025	8:38	**2,914.71**	216.3	2,698.41	2622.18
H3	10/9/2025	8:50	**2,905.93**	207.7	2,698.23	2632.16
H4	10/9/2025	9:02	**2,901.66**	206.4	2,695.26	2635.04
H5	10/9/2025	9:39	**2,896.67**	202.4	2,694.27	2637.14
H6	10/9/2025	9:21	**2,940.37**	250	2,690.37	2642.48
SS1	10/9/2025	8:23	**2,923.93**	91	2,832.93	2812.01
DD3	10/9/2025	8:32	**2,941.22**	96.8	2,844.42	2779.09
S4	10/9/2025	9:29	**2,946.17**	129	2,817.17	2813.47
BASIN	-	-	-	-	-	-

[1]TOC = Top of casing - plant datum; all wells surveyed by a licensed professional land surveyor (Cornerstone) in March 2006 and July 2008

[2]DTW = Depth to water - measurements are to be taken before placing hydrasleeve in well.

[3]SWL = Static water level = TOC elevation - DTW

[4]Well total depth is measured unless noted by (*) which indicates a depth based on well consumption report.

Well inspection observations: (pad condition, security, etc.) See attached inspection sheet

SAMPLE COLLECTOR(S): Kandi George & Jennifer Leach

SUNFLOWER ELECTRIC POWER CORPORATION HOLCOMB STATION INDUSTRIAL LANDFILL SOLID WASTE PERMIT NO. 420 SAMPLE COLLECTION DATA						
WELL ID	**DATE**	**TIME**	**CONDUCTIVITY**	**TURBIDITY**	**pH**	**TEMP (F)**
H1	10/15/2025	9:40	534	0.49	7.61	74.9
H2	10/15/2025	9:50	1298	6.28	7.36	74.8
H3	10/15/2025	10:05	2369	9.78	7.2	74
H4	10/15/2025	10:20	977	0.95	7.2	73
H5	10/15/2025	11:10	780	1.29	7.51	69.2
H6	10/15/2025	10:30	590	1.17	7.53	71

pH, Conductivity, Turbidity and Temperature will be recorded using sample from hydrasleeve

Weather conditions (air temp, precipitation, wind direction): Sunny, 62-68°F, 0 precipitation, Wind S 13-18 mph

Unusual conditions and deficiencies, equipment malfunctions, etc.: Conductivity & pH taken in the field, temperature & turbidity tested in HLS lab

SAMPLE COLLECTOR(S): Jeff Lyons - pH, temp, conductivity, turbidity
Kandi George & Jennifer Leach - Samples sent to lab

LANDFILL MONITORING WELLS
SEMI-ANNUAL INSPECTION LOG

DATE: 10/15/2025

Well Casing		Concrete Pad		Protection Riser		Locking Device \ Condition		Casing Plug / Cap	
SS1	X	SS1	X	SS1	X	SS1	X	SS1	X
S4	X	S4	X	S4	X	S4	X	S4	X
DD3	X	DD3	X	DD3	X	DD3	X	DD3	X
H1	X	H1	X	H1	X	H1	X	H1	X
H2	X	H2	X	H2	X	H2	X	H2	X
H3	X	H3	X	H3	X	H3	X	H3	X
H4	X	H4	X	H4	X	H4	X	H4	X
H5	X	H5	X	H5	X	H5	X	H5	X
H6	X	H6	X	H6	X	H6	X	H6	X

Comments: All well casings, concrete pads, and protection risers in good condition except on well #DD3. This well is missing the lock and the protection riser will not close completely because the well casing inside is taller than the riser. The casing is plugged with a cap inside the protection riser.

Inspected by: Kandi George #1009
Signature

HOLCOMB STATION SWL FIELD DATA

DATE/TIME 10/15/25 / 9.40am

WELL I.D. H1 STATIC DEPTH 234.3

LOCATION: **HOLCOMB STATION CCR LANDFILL**

ANALYSIS: **CCR, APPENDIX III PARAMETERS**

ALL DEVICES CALIBRATED Y OPER JL

pH 7.61 CONDUCTIVITY 534

TURBIDITY 0.45 TEMPERATURE 74.9°F

AMBIENT TEMP/CONDITIONS
62° sunny 13mph S wind

COMMENTS turbidity & temp taken in lab @ 11:25am

SAMPLED BY Kandi George / Jennifer Lear & Jeff Lyons

HOLCOMB STATION SWL FIELD DATA

DATE/TIME 10/15/25 / 950

WELL I.D. H2 STATIC DEPTH 216.3

LOCATION: **HOLCOMB STATION CCR LANDFILL**

ANALYSIS: **CCR, APPENDIX III PARAMETERS**

ALL DEVICES CALIBRATED_____ OPER _____

pH 7.36 CONDUCTIVITY 1298

TURBIDITY 6.28 TEMPERATURE 74.8°F

AMBIENT TEMP/CONDITIONS
82°F Sunny 15mph S wind

COMMENTS ~~turbidity & cond~~ temp taken in lab @ 11:25 am

SAMPLED BY Kandi George / Jennifer Lewis / Jeff Lyons

HOLCOMB STATION SWL FIELD DATA

DATE/TIME 10/15/25 / 10:05

WELL I.D. H3 STATIC DEPTH 207.7

LOCATION: **HOLCOMB STATION CCR LANDFILL**

ANALYSIS: **CCR, APPENDIX III PARAMETERS**

ALL DEVICES CALIBRATED _____ OPER _____

pH 7.20 & 9.18 CONDUCTIVITY 2309

TURBIDITY ~~700~~ TEMPERATURE & ~~2309~~ 74°F

AMBIENT TEMP/CONDITIONS
64°F Sunny 10mph S wind

COMMENTS turbidity & temp taken in lab @ 11:24am

SAMPLED BY Randi Storage | Jennifer Lewis | Jeff Lyons

HOLCOMB STATION SWL FIELD DATA

DATE/TIME 10/15/25 / 10:20am

WELL I.D. H4 STATIC DEPTH 206.4

LOCATION: **HOLCOMB STATION CCR LANDFILL**

ANALYSIS: **CCR, APPENDIX III PARAMETERS**

ALL DEVICES CALIBRATED_____ OPER _____

pH 7.20 CONDUCTIVITY 977

TURBIDITY 0.95 TEMPERATURE 73°F

AMBIENT TEMP/CONDITIONS_____
66°F sunny, 15mph winds

COMMENTS turbidity & temp taken in lab @ 11:21am

SAMPLED BY Kandi George / Jennifer Lewis / Jeff Lyons

HOLCOMB STATION SWL FIELD DATA

DATE/TIME 10/15/25 / 11:00am

WELL I.D. H5 STATIC DEPTH 202.4

LOCATION: **HOLCOMB STATION CCR LANDFILL**

ANALYSIS: **CCR, APPENDIX III PARAMETERS**

ALL DEVICES CALIBRATED _____ OPER _____

pH 7.51 CONDUCTIVITY 780

TURBIDITY 1.29 TEMPERATURE 69.2°F

AMBIENT TEMP/CONDITIONS
71°F Sunny 18mph wind S

COMMENTS turbidity & temp taken at lab @ 11:15am

SAMPLED BY Kandi George / Jennifer Lewis / Jeff Lyons

HOLCOMB STATION SWL FIELD DATA

DATE/TIME 10/15/25 / 1230am

WELL I.D. H6 STATIC DEPTH 250

LOCATION: **HOLCOMB STATION CCR LANDFILL**

ANALYSIS: **CCR, APPENDIX III PARAMETERS**

ALL DEVICES CALIBRATED _____ OPER _____

pH 7.53 CONDUCTIVITY 590

TURBIDITY 1.17 TEMPERATURE 71°F

AMBIENT TEMP/CONDITIONS _____
68°F, sunny temperatures

COMMENTS turbidity & temp taken @ Lab at 11:15am

SAMPLED BY Kandi Bragg | Jennifer Lewis | Jeff Lyons