

Wastewater Treatment and Reclaimed Water Irrigation Systems (ME-12214)

2025 Annual Report: Town of Osoyoos



April 2026

Project No. 302-1352-012

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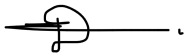
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List of Acronyms

BOD ₅	5-day Biochemical Oxygen Demand
BCOD ₅	5-day Biochemical Oxygen Demand, Carbonaceous
COD	Chemical Oxygen Demand
MOE	Ministry of Environment and Climate Change Strategy
OC	Operating Certificate ME-12214
TRUE	TRUE Consulting
TSS	Total Suspended Solids
WWAL	Western Water Associates Ltd.

Units of Measure

ft	feet
lgpm	Imperial gallons per minute
km	kilometre
L/d	Litres per day
L/m	Litres per minute
L/s	Litres per second
lpcd	Litres per capita per day
m	metre
mg/L	milligrams per Litre
mm	millimetre
NTU	Nephelometric Turbidity Units
psi	pounds per square inch
USgpm	US gallons per minute

1.0 Wastewater Influent Flows (OC 1.0)

1.1 Wastewater Flow (OC 5.1, 7.2.4.1)

The Town of Osoyoos (the Town) discharges wastewater from the Main Lift Station (Legion Beach Lift Station, E230277) and the Golf Course Lift Station (Desert Park Lift Station, E232882) to a treatment system, as authorized by Operational Certificate ME-12214 (OC), issued by the Ministry of Environment and Climate Change Strategy (MOE). Table 1-1 below summarizes the wastewater flow from these lift station sources in 2025. The Town provided totalizer data for the Golf Course Lift Station and Main Lift Station in 2025. Monthly average usage was determined by calculating daily average flows in the corresponding month and multiplying this value by the days in the month. This approach is undertaken because totalizer readings do not have consistent time periods. The first reading for the Main Lift Station was provided on January 2nd, 2025 and the last reading on December 31st, 2025. The first reading for the Golf Course Lift Station was provided on January 6th, 2025 and the last reading on December 30th, 2025. The Town's SCADA system data was not available at the time of the report.

TABLE 1-1: WASTEWATER INFLUENT FLOWS

2025 MONTHLY FLOWS								
MONTH	E230277 MAIN LIFT STATION (M ³)	E232882 GOLF COURSE LIFT STATION (M ³)	2025 MONTHLY TOTALS (M ³)	2024 MONTHLY TOTALS (M ³)	2023 MONTHLY TOTALS (M ³)	2022 MONTHLY TOTALS (M ³)	2021 MONTHLY TOTALS (M ³)	2020 MONTHLY TOTALS (M ³)
January	53,513	2,165	55,679	60,668	63,639	65,042	66,382	61,289
February	51,081	2,021	53,102	56,743	53,803	58,811	61,737	56,636
March	58,622	2,454	61,076	59,950	63,665	66,409	70,965	62,283
April	62,481	2,505	64,986	65,826	66,436	67,975	68,808	59,325
May	69,142	2,257	71,399	73,598	75,772	75,818	69,191	67,563
June	79,568	1,895	81,463	78,158	75,945	83,896	83,013	76,744
July	98,372	75	98,446	96,129	95,271	104,332	102,773	102,448
August	99,805	93	99,898	93,691	84,562	100,748	98,850	106,325
September	78,466	73	78,538	73,550	73,276	80,677	81,071	88,123
October	72,073	113	71,186	71,820	66,692	73,617	74,423	76,788
November	61,364	73	61,437	56,195	56,635	61,704	64,803	66,256
December	58,266	41	58,306	53,858	58,604	67,006	62,678	65,240
TOTALS	842,751	13,764	856,515	840,186	834,300	906,035	904,695	889,020
SUMMER FLOW (MAY-SEPT)			429,743	415,125	404,826	445,470	434,898	441,203
WINTER FLOW (OCT-APR)			426,771	425,061	429,474	460,564	469,797	447,817

The Golf Course Lift Station flow meter was connected to the Town's SCADA system in September 2019, enabling tabulation of flows on a daily basis. Totalizer values provided by the Town were used for 2025 calculations in lieu of SCADA data. Daily flow measurements for both the Golf Course Lift Station and the Main Lift Station are included in Appendix A.

Table 1-2 summarizes influent sewage flow data for a 30-year period from 1995-2025.

In 2012, the Northwest Sector Area Sanitary Sewer extensions were completed. These extensions service about 130 properties. All the properties are outside the Town boundaries; therefore, the population would be additional to the population reported by the Statistics Canada or BC Stats. Since 2013, it has been estimated that this represents a total population of 375 to be added to the population of the Town of Osoyoos.

Trends and other noteworthy items from Table 1-2 are summarized as follows.

- The average per capita flow rate from 1995 to 2025 has ranged between 0.369 and 0.466 m³/capita/day. In 2025, the average per capita flow was 0.371 m³/capita/day, which is on the lower end of the historical range. This reduction may be influenced by elevated population projections, as current population estimates are derived from the average annual growth rate between the two most recent census periods. These projections and their effect on per capita flow calculations will be reassessed following the release of updated census data in 2026.
- Average daily flows, maximum average monthly flows, and average winter influent flows from 1992-2025 can be seen graphically in Figure 1-1. Historical population estimates and permit annual average/maximum month average flows (as authorized in the OC) are also denoted.
- The OC for the Town's wastewater treatment and water reuse systems is dated December 18, 1998 (see Appendix B). The OC projected the annual average daily sewage flow to increase from 1,760 m³/day in 1997 to 2,720 m³/day in 2008. As shown in Table 1-2, annual average daily sewage flows have not yet reached that projected for 2008. The 2025 annual average daily flow was 2,340 m³/day.
- The OC also provides a projection of the maximum monthly average increasing from 3,250 m³/day in 2000 to 4,340 m³/day in 2008. The maximum monthly average in 2025 was 3,223 m³/day.

Overall, total annual, average daily and maximum month average daily sewage flows remain within projections presented in Section 1.1.1 of the OC. In 2025, the total influent volume was 856,515 m³, which is within the general range of influent totals observed in 2023 and 2024, and is slightly below the 2022 volume.

TABLE 1-2: HISTORICAL INFLUENT SEWAGE FLOW DATA

	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Population Osoyoos (BC Stats)	3,890	4,021	4,076	4,131	4,188	4,245	4,295	4,353	4,466	4,441	4,623	4,752	4,848	4,889	4,965	4,896
Population Northwest Sector	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Population	3,890	4,021	4,076	4,131	4,188	4,245	4,295	4,353	4,466	4,441	4,623	4,752	4,848	4,889	4,965	4,896
Total Flow (Main Lift) (m³)	583,903	551,576	579,686	577,999	607,413	638,527	703,823	686,031	689,695	709,562	696,018	718,297	712,704	680,972	707,321	719,126
Total Est. Flow (Golf Course Lift) (m³)	16,097	18,396	20,696	22,995	25,295	26,280	27,375	28,105	29,018	29,930	30,660	31,390	32,120	33,033	33,580	33,580
Total Combined Flow (m³)	600,000	569,972	600,382	600,994	632,708	664,807	731,198	714,136	718,713	739,492	726,678	749,687	744,824	714,005	740,901	752,706
Average Daily Flow (m³/d)	1,644	1,562	1,645	1,647	1,733	1,821	2,003	1,957	1,969	2,026	1,991	2,054	2,041	1,956	2,030	2,062
Average per capita Flow (m³/cap/d)	0.423	0.388	0.404	0.399	0.414	0.429	0.466	0.449	0.441	0.456	0.431	0.432	0.421	0.400	0.409	0.421
Max. Month Avg. Flow (m³/d)	2,197	2,077	2,181	2,179	2,496	2,688	3,071	3,025	2,979	3,019	2,904	2,842	2,988	3,011	3,028	2,987
Max. Month Avg. Flow per capita (m³/cap/d)	0.565	0.517	0.535	0.527	0.596	0.633	0.715	0.695	0.667	0.680	0.628	0.598	0.616	0.616	0.610	0.610
Avg. Winter Flow (Oct-Apr) (m³/d)	1,423	1,409	1,445	1,467	1,502	1,553	1,693	1,660	1,665	1,683	1,700	1,841	1,692	1,644	1,669	1,717
Avg. Winter Flow per capita (Oct-Apr) (m³/cap/d)	0.366	0.351	0.354	0.355	0.359	0.366	0.394	0.381	0.373	0.379	0.368	0.387	0.349	0.336	0.336	0.351
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	
2025 Population Osoyoos (BC Stats)	4,845	4,893	4,941	4,989	5,037	5,085	5,133	5,181	5,229	5,277	5,556	5,650	5,744	5,839	5,933	
Population Northwest Sector	-	-	375	375	375	375	375	375	375	375	375	375	375	375	375	
Total Population	4,845	4,893	5,316	5,364	5,412	5,460	5,508	5,556	5,604	5,652	5,931	6,025	6,119	6,214	6,308	
Total Flow (Main Lift) (m³)	701,765	722,804	760,112	774,427	744,992	780,129	799,795	818,786	800,271	839,020	852,013	851,873	780,333	790,758	842,751	
Total Est. Flow (Golf Course Lift) (m³)	32,120	45,902	43,319	47,009	47,986	47,769	48,675	39,898	46,011	50,000	52,682	54,162	53,967	49,428	13,764	
Total Combined Flow (m³)	733,885	768,706	803,431	821,436	792,978	827,898	848,470	858,684	846,282	889,020	904,695	906,035	834,300	840,186	856,515	
Average Daily Flow (m³/d)	2,027	2,100	2,201	2,251	2,173	2,262	2,325	2,353	2,319	2,429	2,479	2,482	2,286	2,296	2,340	
Average per capita Flow (m³/cap/d)	0.418	0.429	0.414	0.420	0.401	0.414	0.422	0.423	0.414	0.430	0.418	0.412	0.374	0.369	0.371	
Max. Month Avg. Flow (m³/d)	3,056	3,041	3,307	3,262	3,007	3,121	3,218	3,385	3,185	3,430	3,315	3,366	3,073	3,101	3,223	
Max. Month Avg. Flow per capita (m³/cap/d)	0.631	0.621	0.622	0.608	0.556	0.572	0.584	0.609	0.568	0.607	0.559	0.558	0.502	0.499	0.511	
Avg. Winter Flow (Oct-Apr) (m³/d)	1,772	1,812	1,845	1,925	1,855	1,948	1,993	1,956	1,958	2,064	2,216	2,171	2,025	1,996	2,012	
Avg. Winter Flow per capita (Oct-Apr) (m³/cap/d)	0.366	0.370	0.347	0.359	0.343	0.357	0.362	0.352	0.349	0.365	0.374	0.360	0.331	0.321	0.319	

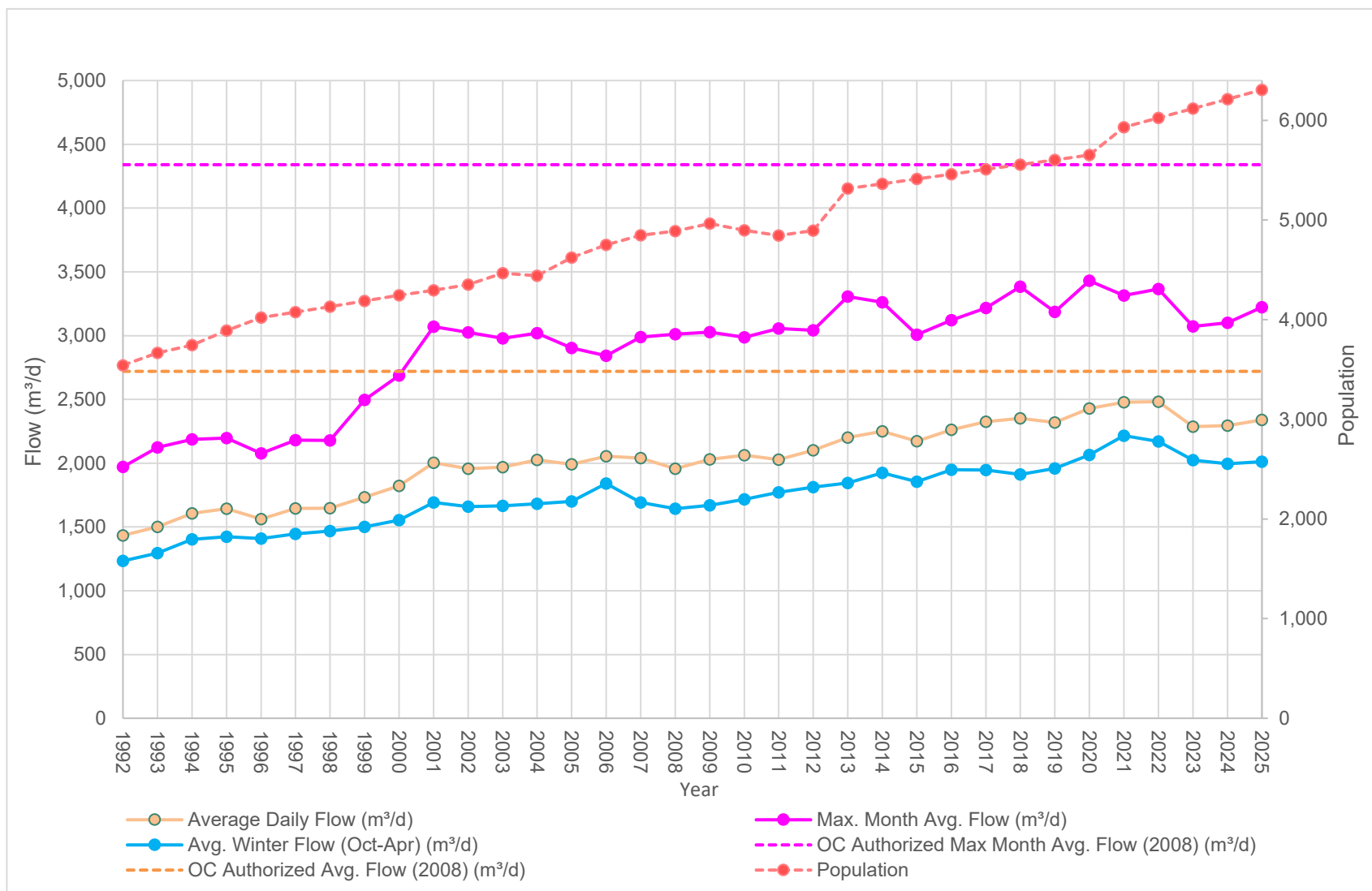


FIGURE 1-1: TOWN OF OSOYOOS WWTP INFLUENT FLOW TRENDS

1.2 Influent Quality (OC 5.2, 7.2.4.2)

As per the requirements of the OC, grab sampling of influent to the wastewater treatment plant is to be completed semi-annually. The Town samples the influent for:

- a) Total phosphorus and ortho phosphorus, expressed as P in mg/L.
- b) 5-Day biochemical oxygen demand, mg/L.

As displayed in Table 1-3, two influent samples were collected from the headworks in 2025. These samples were analyzed for COD (instead of 5-day BOD) and Total Phosphorus, but not Ortho Phosphorus. This is not compliant with the OC. Laboratory analytical data is provided in Appendix C.

TABLE 1-3: INFLUENT MONITORING (E230037)

DATE	COD (MG/L)	TOTAL PHOSPHORUS (MG/L)	ORTHO PHOSPHATE (MG/L)
March 25, 2025	694	7.83	-
September 9, 2025	276	8.36	-

2.0 Wastewater Treatment and Winter Storage Facilities

This section discusses the Town's wastewater treatment facilities, winter storage facilities, reclaimed water irrigation system and reclaimed water infiltration bed.

2.1 Description

The Town's wastewater treatment facility and reclaimed water irrigation areas are located on the Osoyoos West Bench as illustrated on Figure 2-1. The Fairway Hills / Dividend Ridge development area, which is serviced by the Golf Course lift station referenced in Section 1.0, is the neighbourhood to the south (right side) of the wastewater treatment facility, shown on Figure 2-1. Figure 2-2 illustrates the Town's wastewater treatment, effluent storage, and reclaimed water supply works. From the inlet, the system components and upgrades are described in Table 2-1.

TABLE 2-1: WASTEWATER TREATMENT AND RECLAIMED WATER IRRIGATION SYSTEM COMPONENTS

COMPONENT	SIZE/VOLUME	YEAR CONSTRUCTED/STATUS
Aerated Cell No. 1	3,300 m ³	Liner replaced in 1994 and aeration system upgraded in 1998. De-sludged in 2021.
Aerated Cell No. 2	27,00 m ³	De-sludged and liner/aeration system replaced in 2010. De-ragging in 2021. De-sludged in 2023. Geomembrane liner at the inlet was repaired in 2024.
Aerated Cell No. 3	58,000 m ³	Liner 1978 – aeration system upgrade in 2002. Lowering of Cell in Oct. 2017 and desludging in Nov./Dec. 2017 and 2023. Liner replacement and aeration system upgrade completed in 2018.
Winter Storage 1	270,000 m ³	Expanded and liner replaced in 2008.
Winter Storage 2	295,000 m ³	Constructed 1990.
Aeration System Blowers		Replaced and upgraded in 2010. Solar power system installed in 2010 and expanded in 2018.
Aeration System		The aerators were cleaned in 2023. In 2024, the aerators and diffusers were rebuilt. Additional motor and bearing work was completed in 2024.
Effluent Pump Station		Upgraded – 2008.
Chlorine Contact Basin		Constructed – 2008.
Infiltration Bed		Constructed – 2013.
Reclaimed Booster Station		Constructed – 2014.
Reclaimed Booster Supply Main		Upgraded section from chlorine contact basin to golf course maintenance building – 2014.
Flushing Standpipe Installation		Flushing standpipe installation on reclaimed water system at the Secondary School for system flushing in 2017.
Main Lift Station		Replacement and upgrading begun in 2019 and completed in 2020. Old Main Lift Station was decommissioned in 2020 and removed in 2021.

In 2008, major capital improvements were completed at the treatment plant. Improvements comprised reconstruction and enlargement of reclaimed water storage basin No. 1, upgrading of the effluent supply pump station and appurtenant supply mains, and construction of a reinforced cast in place concrete chlorine contact basin, to replace an existing earthen basin built in 1990.

In 2010, aerated lagoon Cell No. 2 was removed from service, drained, and accumulated sludge from 32 years of service was removed. After sludge removal, the liner was replaced with a 60 mil HDPE liner. The static tube aeration system, in service since 1978, was removed and replaced with a more energy efficient fine bubble system. Concurrently, a solar panel array was installed with the objective of supplying a portion of the blower electrical energy requirements.

An infiltration bed was constructed at Desert Park in January 2013. It has an area of approximately 740 m² and is used to dispose of reclaimed water in excess of irrigation requirements.

In 2014, construction of the reclaimed booster station and installation of a 400 mm diameter supply main from the chlorine contact basin to the golf course maintenance building was completed. The reclaimed booster station is currently used to supply reclaimed water to the secondary school for irrigation of playing fields.

In 2017, aerated lagoon Cell No.3 was drained and de-sludged in preparation for replacement of the liner and aeration system. Sludge removal was completed in November and December of 2017. Biosolids were pumped into geotubes and located on the former Tree Farm site south of the secondary school for dewatering. This location was also used for sludge dewatering of Cell No. 2 in 2010. A standpipe was also installed on the reclaimed water system at the former Tree Farm site in 2017, allowing the Town to flush the supply system at the start and end of each irrigation season.

The liner and aeration system in Cell No. 3 were replaced and upgraded in the winter and spring of 2018.

In 2019, construction of a replacement for the main lift station commenced. The replacement main lift station was completed and commissioned in 2020. The existing main lift station was decommissioned in 2020 and removed in 2021. The aeration system diffuser membranes on aerated lagoon Cell No. 1 and No. 2 were replaced in 2020.

In 2021, Cell No. 1 was drained, de-sludged and the aerators cleaned. The aerators in Cell No. 2 were raised three successive times to be cleaned. All waste was transported to the Town of Osoyoos Landfill.

The Main Lift station, commissioned in 2020, has a screening rack to manage the debris entering the treatment plant, limiting deleterious materials to flows from the Golf Course Lift Station. By cleaning Cells No. 1 and No. 2 the Town intended to stabilize the accumulation of debris in the plant.

In 2022, the Town completed the upgrades to the chlorine gas monitoring system. The system now includes improved alarming, including audible and visual alarms in the event of a release of chlorine gas at the site, and is now integrated with the existing SCADA system.

In 2023, the Town completed the Osoyoos Sanitary System Infrastructure Plan which included an Asset Management Plan and Capital Plan. In addition, Cells No. 2 and No. 3 were de-sludged and the aerators were cleaned.

In 2024, the geomembrane liner at the Cell No. 2 inlet was repaired. This included re-establishing the geomembrane boot on the inlet pipe and repairing openings in the geomembrane localized to the inlet. The aerators and diffusers were rebuilt and the blowers had motor and bearing work completed.

2.1.1 Lagoon Solar Power Generation

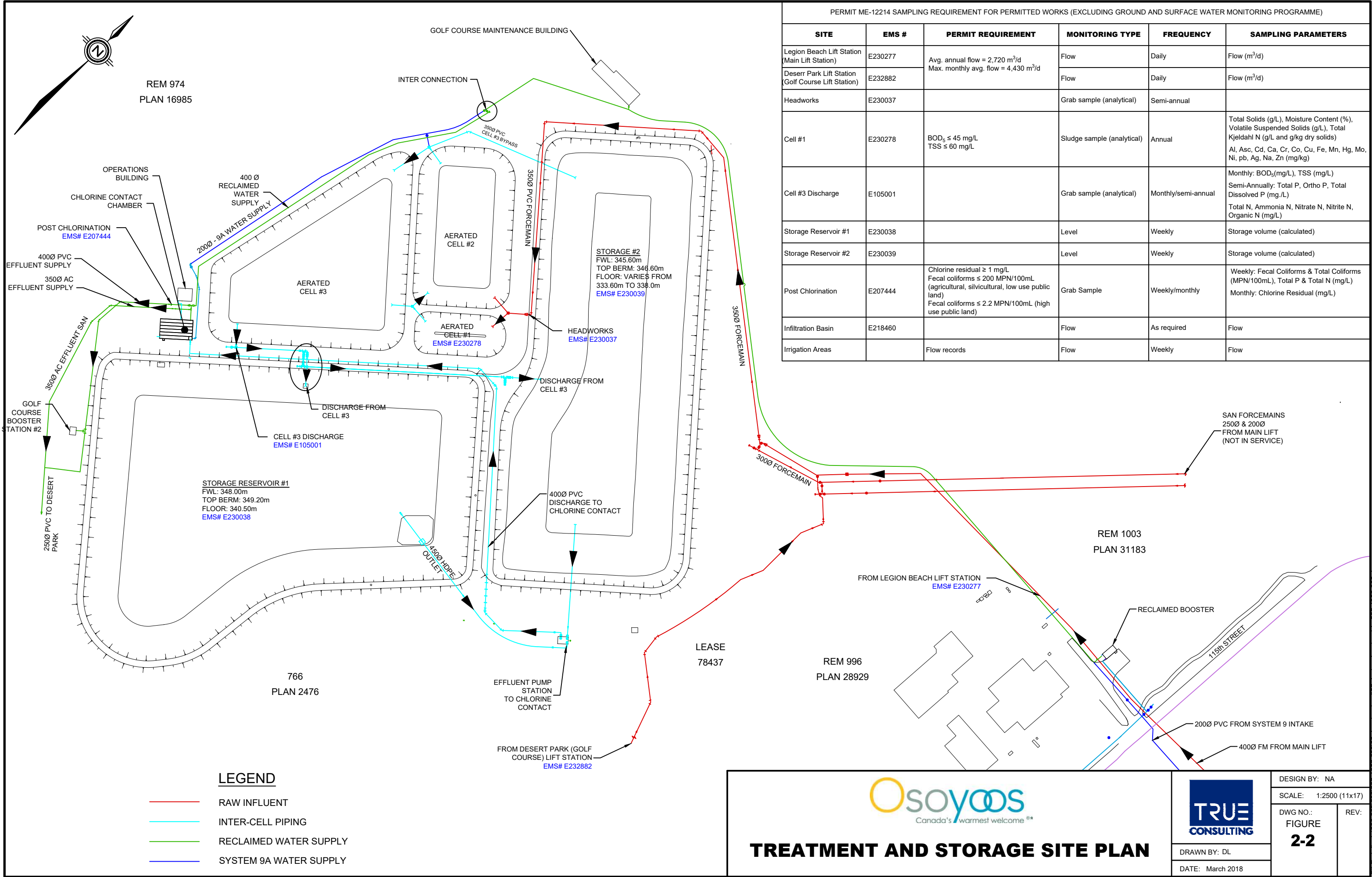
A solar power generation system was installed at the lagoons in 2010 with system upgrades and expansion in 2018. The total kilowatt hours (kWh) produced in 2025 was approximately 91,000 kWh.

Totalizer readings are not recorded every day throughout the year. Monthly totals were calculated by taking the last reading of each month and subtracting the last reading of the prior month. Monthly power generation from 2020 to 2025 is summarized in Table 2-2. 2023 data was not provided. Daily totalizer values for the solar power generation can be found in Appendix D.

TABLE 2-2: LAGOON SOLAR POWER GENERATION SUMMARY FOR 2020 – 2025

MONTH	POWER GENERATION (kWh)				
	2020	2021	2022	2024	2025
January	1,590	1,641*	1,370	0	3,208
February	6,254	6,457*	6,023	0	3,986
March	10,448	10,787*	8,366	1,205	6,913
April	11,623	12,000*	10,977	10,739	11,587
May	12,134	12,527*	11,940*	11,630	11,292
June	11,486	15,306	9,508	11,854	12,325
July	14,245	13,094	13,042	12,933	11,967
August	13,645	10,327	11,481	10,967	10,053
September	9,279	8,812	8,538	9,909	8,766
October	6,911	6,852	6,770*	6,916	6,520
November	3,583	2,752	3,018*	1,949	2,252
December	2,280	1,940	2,295*	971	2,185
Total	103,478	102,495	93,327	79,073	91,054

*Extrapolated values.



2.2 Effluent Quality (OC 1.2.1, 5.3, 7.2.4.3)

The OC for the Town's wastewater treatment system requires that the effluent quality after Cell No. 3 and prior to storage, shall be equivalent to or better than:

5 Day Biochemical Oxygen Demand (BOD₅) - 45 mg/L

Total Suspended Solids (TSS) - 60 mg/L

The OC specifies that the effluent after Cell No. 3 (EMS site number E105001) be sampled as follows:

- a) **Monthly:** 5-day biochemical oxygen demand, mg/L;
- b) **Monthly:** total suspended solids (non-filterable residue), mg/L;
- c) **Semi-annually:** total phosphorus, ortho phosphorus, and total dissolved phosphorus, all expressed as mg/L P;
- d) **Semi-annually:** total nitrogen, ammonia nitrogen, nitrate nitrogen, nitrite nitrogen, and organic nitrogen, all expressed as mg/L N.

2025 sampling results for the effluent quality at the outlet of Cell No. 3 (E105001) are summarized in Table 2-3. Analytical results can be viewed in Appendix C.

TABLE 2-3: AERATED LAGOON CELL NO. 3 – EFFLUENT QUALITY DATA (E105001)

DATE	BOD-5 (MG/L)	CBOD -5 (MG/L)	TOTAL SUSPENDED SOLIDS (MG/L)	TOTAL PHOSPHORUS (MG/L)	TOTAL DISSOLVED PHOSPHORUS (MG/L)	ORTHO PHOSPHATE (MG/L)	TOTAL KJELDAHL NITROGEN (MG/L)	TOTAL AMMONIA (MG/L)	NITRATE (AS N) (MG/L)	NITRITE (AS N) (MG/L)	ORGANIC NITROGEN (MG/L)
(2025) Jan. 21	16.2	105	27.8	-	-	-	-	-	-	-	-
(2025) Mar. 25	-	-	11.0	-	4.93	4.22*	35.9	33.6	1.27	0.163	2.31
(2025) April 22	16.9	-	19.2	-	-	-	-	-	-	-	-
(2025) May 06	10.6	-	28.0	-	-	-	-	-	-	-	-
(2025) Jul. 08	< 8.0	-	10.6	-	-	-	-	-	-	-	-
(2025) Aug. 05	40.4	-	44.0	-	-	-	-	-	-	-	-
(2025) Sep. 09	-	-	44.0	-	5.25	3.36*	6.38	2.04	15.6	12.6	4.34
(2025) Oct. 09	11.4	-	61.0	-	-	-	-	-	-	-	-
(2025) Dec.02	-	51	16.7	-	-	-	-	-	-	-	-

*The reported value is for Dissolved Reactive Phosphorus (DRP,)Orthophosphate and Dissolved Reactive Phosphorus (DRP) are closely related terms in water quality analysis. DRP is an analytical measurement that primarily represents orthophosphate, the biologically available form of phosphorus in water.

BOD is required to be tested monthly as per the OC. Based on Table 2-3, BOD was analyzed in January, April, May, July, and October 2025, with all reported BOD results below the OC limit of 45 mg/L. Missing monthly BOD samples are not compliant with the OC. During other sampling events, Carbonaceous BOD (CBOD) was analyzed; however, CBOD monitoring is not required by the OC.

Total Suspended Solids (TSS) are required to be measured monthly as per the OC. TSS results are reported for January, March, April, May, July, August, September, October and December 2025. No TSS results are reported for February, June, or November, indicating that monthly TSS sampling was not completed for all months. This is not compliant with the OC.

Total phosphorus, total dissolved phosphorus, ortho phosphate, and nitrogen species are required to be monitored semi-annually as per the OC. Based on Table 2-3, these parameters were analyzed during two sampling events in 2025 (March and September). However, total phosphorus was not monitored during either sampling event.

All other samples were in compliance with the OC.

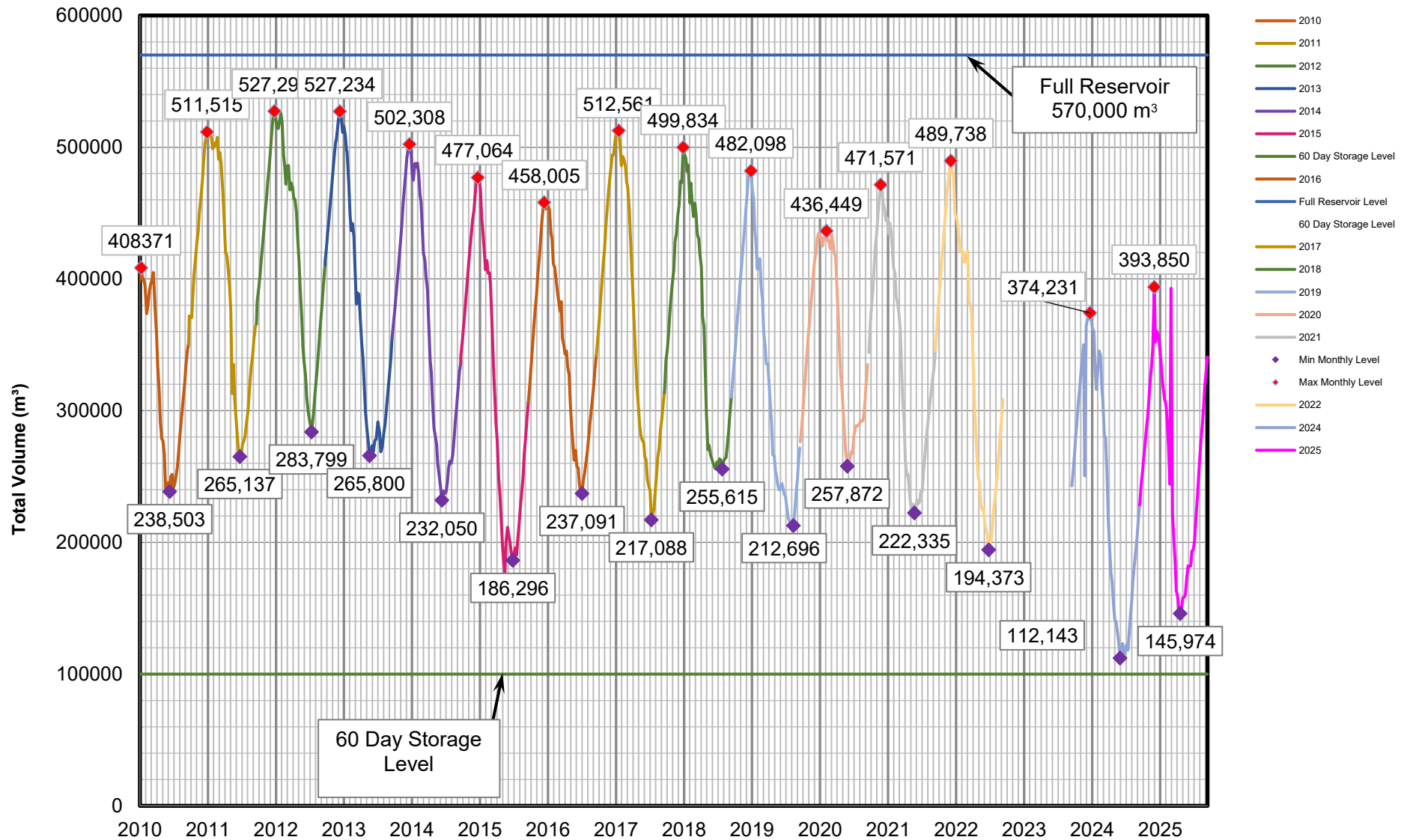
2.3 Winter Storage Facilities (OC 5.4, 7.2.4.4)

As illustrated in Figure 2-2, the Town's wastewater treatment and appurtenant facilities include two winter effluent storage reservoirs. Storage volumes from 2009-2025 are shown graphically in Figure 2-3. Data from 2023 was omitted as it was not provided. This includes the maximum and minimum monthly water level, full reservoir volume notation, and 60-day storage level notation. As per OC Section 5.4, weekly operational data and the percent full storage volume for 2025 is presented in Table 2-4. The percent full for each storage reservoir can be found in Appendix D and used to reference the corresponding storage volumes using the calibration curves provided in Appendix E.

TABLE 2-4: STORAGE POND LEVELS

DATE	STORAGE 1 %	STORAGE 2 %	TOTAL VOLUME M ³	DATE	STORAGE 1 %	STORAGE 2 %	TOTAL VOLUME M ³
2-Jan-25	34.0	68.0	230,121	10-Jul-25	27.4	59.8	185,392
9-Jan-25	38.7	68.4	243,280	17-Jul-25	34.1	47.5	163,321
16-Jan-25	42.9	68.3	253,631	24-Jul-25	41.7	39.0	159,676
23-Jan-25	47.0	68.3	264,358	31-Jul-25	29.0	46.4	147,916
30-Jan-25	51.0	68.3	275,071	7-Aug-25	25.0	49.0	145,974
6-Feb-25	55.0	68.2	285,658	14-Aug-25	33.0	43.8	150,383
13-Feb-25	58.9	68.2	296,578	21-Aug-25	40.0	40.0	157,851
20-Feb-25	63.2	68.3	309,258	28-Aug-25	46.8	32.8	158,281
27-Feb-25	66.4	69.4	322,704	4-Sep-25	38.8	42.2	160,496
6-Mar-25	66.3	72.6	334,626	11-Sep-25	32.0	52.1	171,743
13-Mar-25	66.6	75.8	348,148	18-Sep-25	29.0	57.7	182,213
20-Mar-25	78.3	78.3	393,850	25-Sep-25	35.3	52.7	181,636
27-Mar-25	66.4	76.9	352,001	2-Oct-25	41.0	48.0	182,021
3-Apr-25	66.6	78.7	359,968	9-Oct-25	46.7	46.8	193,427
10-Apr-25	66.6	78.2	357,905	16-Oct-25	51.6	42.4	194,561
17-Apr-25	64.7	77.9	351,100	23-Oct-25	56.8	39.2	200,676
24-Apr-25	60.8	77.7	339,014	30-Oct-25	62.5	38.8	215,872
1-May-25	59.6	75.7	327,489	6-Nov-25	67.8	39.0	231,875
8-May-25	64.0	69.6	316,432	13-Nov-25	72.7	39.1	246,842
15-May-25	68.3	64.0	308,670	20-Nov-25	78.0	39.6	264,429
22-May-25	72.8	58.9	304,747	27-Nov-25	82.1	39.7	277,610
29-May-25	77.0	50.8	292,140	4-Dec-25	85.8	39.8	289,751
5-Jun-25	69.5	52.4	274,096	11-Dec-25	89.9	39.9	303,422
12-Jun-25	54.5	56.6	244,111	18-Dec-25	90.0	45.8	319,418
19-Jun-25	60.8	90.1	392,957	26-Dec-25	90.2	49.5	330,637
26-Jun-25	34.4	65.4	221,637	2-Jan-26	90.1	53.0	340,813
3-Jul-25	19.5	70.4	205,205				

FIGURE 2-3: TOWN OF OSOYOOS RECLAIMED WATER STORAGE POND VOLUMES 2009-2024



3.0 Reclaimed Water Irrigation System

3.1 System Overview

Reclaimed water from the Town's wastewater treatment facility supplies irrigation water to areas within the West Bench. These locations are depicted on Figure 2-1 and described as follows:

- i. Osoyoos Golf and Country Club:
 - Metered from Golf Course Booster Station.
 - Total area = 160 ac (65.6 ha).
 - Irrigation type = reclaimed water.
 - Crop = turf grass.
- ii. Osoyoos Ball Diamonds:
 - Located west of 115th street adjacent to the Osoyoos Secondary School.
 - Metered from the Golf Course Booster Station.
 - Total area = 6 ac (2.4 ha).
 - Irrigation type = reclaimed water.
 - Crop = turf grass.
- iii. Desert Park Infield Area:
 - Located southeast of wastewater treatment facility.
 - Metered from Desert Park Irrigation Booster
 - (Desert Park Reclaimed Water Meter Account #5560099005).
 - Total area = 12.2 ac (5.0 ha).
 - Irrigation type = reclaimed water.
 - Crop = turf grass.
- iv. Secondary School Playing Fields:
 - Located west of wastewater treatment facility.
 - Metered from High School Booster Station
 - (Secondary School Irrigation Meter Account #70235020).
 - Constructed in 2013-2014.
 - First started irrigating with reclaimed water in 2015.
 - Total area = 6.92 ac (2.8 ha).
 - Irrigation type = domestic and reclaimed water.
 - Crop = turf grass.

v. Former Tree Farm Standpipe:

- Located south of secondary school playing field.
- Metered from High School Booster Station.
- Irrigation type = reclaimed water.
- Crop type = tree farm and infiltration.

The combined area of the above users excluding the former Tree Farm site is approximately 185 ac (76 ha).

Figure 3-1 provides a schematic overview of the reclaimed water distribution system and metering. Chlorinated reclaimed water is supplied by gravity from the Chlorine Contact Basin to the Golf Course Booster Station and Desert Park Booster Station.

The Golf Course Booster Station supplies reclaimed water to:

- Osoyoos Golf and Country Club
- Osoyoos Ball Diamonds

The Desert Park Booster Station provides reclaimed water to the Desert Park infield. This reclaimed water supply was constructed in 2012. The High School Booster Station provides reclaimed water to the secondary school playing fields and the former Tree Farm standpipe.

If needed, the Town can supplement the reclaimed water system using the 9A Pumphouse on Osoyoos Lake, as shown in Figure 2-2. The 9A Pumphouse was formerly owned and operated by the South Okanagan Lands Irrigation District and is currently used only as a supplemental water source to the Town's reclaimed water system.

In 2013 and 2014, supply works were constructed to supply reclaimed water to the secondary school playing fields.

3.2 Reclaimed Water Usage Data (OC 5.5, 7.2.4.5)

As described in Section 3.1, reclaimed water usage is measured by three flow meter stations. Two of the meters are on supply mains to the golf course and are designated as the “Desert” and “Meadows” meters. The third meter station is in the High School Booster Station and comprises both low flow (Jockey) and high flow (Main) meters.

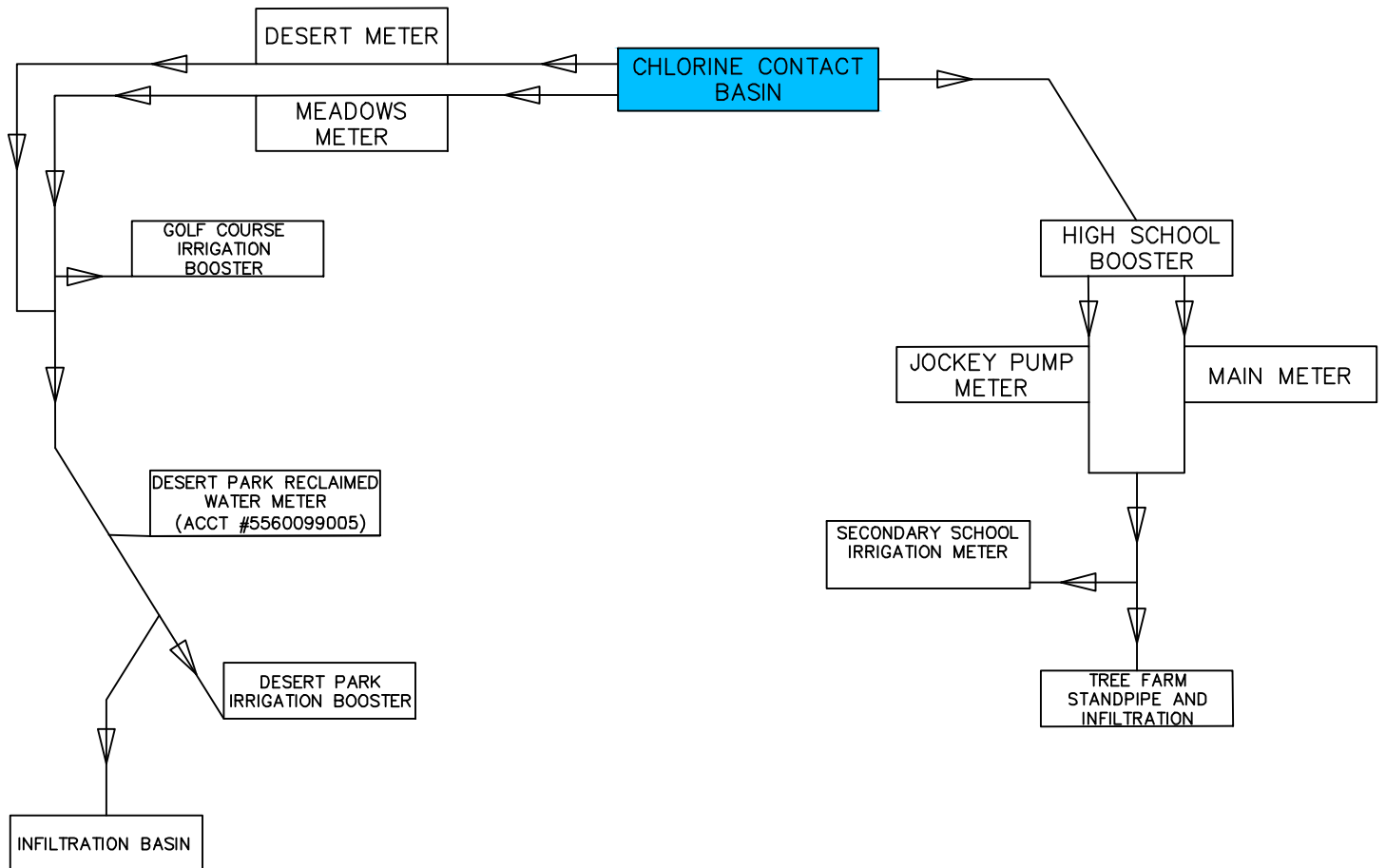
The Desert and Meadows meters measure reclaimed water volumes to the Golf Course, Desert Park, and Infiltration Basin.

The meters in the “High School Booster” measure reclaimed water to the secondary school and former Tree Farm standpipe. A schematic illustration of the system downstream of the chlorine contact basin is presented in Figure 3-1.

The records of total reclaimed water use by month, as measured by the Desert, Meadows, and High School Booster meters from 2019 to 2025 are presented in Table 3-1. Readings from the meter stations were not taken every day. The monthly totals for each meter station are calculated by taking the last meter reading in each month and subtracting the last reading from the prior month. Operating records indicate that the irrigation was discontinued in November for the Meadows and Desert Nine meters. Daily flow readings for the Desert, Meadows, and High School Booster meters for 2025 can be found in Appendix D.

The Secondary School Irrigation meter and Desert Park Reclaimed Water Meter data was not provided in 2025.

Historical data for seasonal precipitation for Osoyoos is presented in Appendix F.



METERING SCHEMATIC OF RECLAIMED WATER SYSTEM



DWN. BY: NA

DATE: APRIL 2018

DSGN. BY: TU

SCALE: N.T.S.

DWG. NO.:

REV.:

FIG
3-1

TABLE 3-1: RECLAIMED WATER USAGE

MONTH	2025 DESERT NINE VOLUME S	2025 MEADOW S VOLUMES	2025 HIGH SCHOOL VOLUMES	2025 TOTAL VOLUMES	2024 TOTAL VOLUMES	2022 TOTAL VOLUMES	2021 TOTAL VOLUMES	2020 TOTAL VOLUMES	2019 TOTAL VOLUMES
	m ³	m ³	m ³	m ³	m ³	m ³	m ³	m ³	m ³
January	0	0	0	0	0	0	0	0	0
February	0	0	0	0	0	0	0	0	0
March	8,198	12,071	0	20,269	8,626	31,193	57,615	11,635	3,105
April	22,239	35,874	78	58,191	58,090	100,297	53,950	75,595	78,915
May	29,302	44,704	186	74,192	70,168	85,744	90,973	56,043	80,262
June	42,504	67,919	184	110,607	95,742	98,062	112,584	76,240	106,908
July	43,482	68,020	179	111,681	158,260	166,613	147,687	157,551	137,778
August	30,399	51,873	171	82,443	105,173	159,666	94,268	152,967	132,576
September	22,586	41,499	396	64,481	56,359	100,269	52,717	69,978	67,976
October	12,399	21,005	222	33,626	49,210	70,457	32,184	37,192	101,958
November	0	0	2,653	0	0	368	373	43,039	83,591
December	0	0	0	0	0	0	71	9,592	0
TOTALS	211,109	342,965	4,069	558,143	601,628	812,669	642,422	689,830	793,069

Referencing Figure 3-1, derivation of reclaimed water supply to irrigated areas is described as follows. Meter data for the Desert Park Irrigation Meter and Secondary School Irrigation Meter were not provided. As such, the corresponding mass balance calculations and infiltration rates could not be completed.

For the supply to Desert Park:

- Total metered reclaimed water use in 2025 was *Not provided*
- (minus) calculated volume to infiltration *Not provided*
- (equals) calculation volume to Desert Park *Not Calculated*

For the supply to the High School Area

- Total metered reclaimed water* at the High School *4,069 m³*
- (minus) metered irrigation use to school *Not provided*
- (equals) calculated volume to Tree Farm Site *Not Calculated*

*High School Booster Main Meter and Jockey Pump Meter

For the Golf Course and Playing Fields:

- Total measured flow (Desert and Meadows) was *554,074 m³*
- (minus) total flow to Desert Park *Not provided*
- (equals) calculated use by Golf Course *Not Calculated*

Golf Course and Ball Diamonds:

- i. Application area: 68 ha

Desert Park:

- i. Application area: 5 ha

Secondary School:

- i. Application area: 2.8 ha

3.3 Reclaimed Water Quality Data (OC 4.1.2, 4.1.3, 5.5.3, 7.2.4.6)

The operational certificate specifies the following sampling and analysis program for reclaimed water (EMS site reference number E207444).

- a) **Monthly:** fecal and total coliforms, MPN/100 mL.
- b) **Monthly:** total phosphorus, mg/L.
- c) **Monthly:** total nitrogen, mg/L.
- d) **Weekly:** chlorine residual, mg/L.

Disinfection is to be maintained in the reclaimed water discharged from the storage reservoirs to the irrigation system. Compliance requires a chlorine residual of less than or equal to 1 mg/L to be always maintained, immediately prior to irrigating. In addition, fecal coliforms shall not exceed 200 MPN per 100 mL for agricultural, silvicultural and low public use lands, or exceed 2.2 MPN per 100 mL for high public use lands. The authorized discharge period for irrigation is during the period of March 15 to November 15 each year.

Sampling data for reclaimed water (EMS Site E207444) is summarized in Table 3-2 and Table 3-3. The chlorine residual (Free mg/L) can be found in Appendix D. The analytical reports are presented in Appendix C.

TABLE 3-2: RECLAIMED WATER QUALITY DATA (E207444)

DATE	FECAL COLIFORMS (MPN/100mL)	TOTAL NITROGEN (MG/L)	TOTAL PHOSPHORUS (MG/L)
(2025) Mar. 15	<1	17.9	5.34
(2025) Apr. 22	<1	22.5	4.53
(2025) May. 06	<1	20.9	5.79
(2025) Jul. 08	1	19.6	6.40
(2025) Aug. 05	34	20.9	7.31
(2025) Sep. 09	1	14.5	4.18
(2025) Oct. 07	6	9.22	3.27

As shown in Table 3-2, no monitoring data were recorded in June, and elevated fecal coliform levels were observed in August. The August results exceed the OC criteria for high public use lands.

TABLE 3-3: RECLAIMED WATER USE – CHLORINE RESIDUAL

DATE	CHLORINE RESIDUAL (MG/L)	DATE	CHLORINE RESIDUAL (MG/L)
(2025) Mar. 14	1.18	(2025) Jul. 14	0.16
(2025) Mar. 21	0.91	(2025) Jul. 21	0.23
(2025) Mar. 28	0.24	(2025) Jul. 25	0.18
(2025) Apr. 04	0.32	(2025) Aug. 01	0.11
(2025) Apr. 11	0.28	(2025) Aug. 08	0.03
(2025) Apr. 17	2.14	(2025) Aug. 15	0.13
(2025) Apr. 25	0.1	(2025) Aug. 25	0.18
(2025) May 02	0.19	(2025) Sep. 01	0.12
(2025) May 09	0.16	(2025) Sep. 08	0.13
(2025) May 16	0.21	(2025) Sep. 15	0.24
(2025) May 23	0.31	(2025) Sep. 22	0.25
(2025) May 30	0.35	(2025) Sep. 29	0.06
(2025) Jun. 06	0.24	(2025) Oct. 06	0.12
(2025) Jun. 13	0.25	(2025) Oct. 10	0.28
(2025) Jun. 20	0.65	(2025) Oct. 17	0.18
(2025) Jun. 27	0.25	(2025) Oct. 24	0.05
(2025) Jul. 04	0.05	(2025) Nov. 01	0.04

Per the requirements for reclaimed wastewater irrigation in the Town's OC Section 4.1.2, a chlorine residual of at least 1 mg/L must be maintained at all times, immediately prior to irrigating. As seen in Table 3-3 this residual is not being achieved consistently during sampling. The Town's operators have described that there is an apparent time difference (approx. 2-6 hours) from the stop of irrigation and chlorination to chlorine residual sampling, during which time free chlorine consumption takes place.

To address these treatment deficiencies, it is TRUE's recommendation to:

- Install an in-line chlorine analyzer which will allow for representative chlorine residual sampling results.
- Re-circulate stagnant treated reclaimed water back into the chlorination system.
- Adjust chlorination as required to achieve the 1 mg/L chlorine residual objective.

These upgrades will assist with observed fecal coliform exceedances and chlorine residual objectives.

3.4 Reclaimed Water Infiltration Bed

In 2013, an infiltration bed was constructed for surplus reclaimed water quantities from the Town's wastewater treatment facility. The infiltration bed was designed for a flow rate of 500 m³/d. The number of days the infiltration bed was used was not recorded in 2025. It is recommended that a flow meter be installed at this location.

4.0 Sludge – Monitoring Program (OC 3.20, 5.6)

In accordance with the Town of Osoyoos' OC Section 3.20, a Sludge Management Plan was prepared for the wastewater treatment facility in April 2019 which can be found in the 2018 Annual report submission. No changes, nor amendments, have been made to the Sludge Management Plan. This document outlines the monitoring, management, and beneficial use of the Town's municipal biosolids.

4.1 Historic Operations Summary (7.2.4.8)

The following summarizes the frequency and volumes of desludging activities to date and an operations overview for sludge removal within each cell:

- Cell No. 1 generally requires sludge removal every 5 years, based on public works operating experience. This is completed by vacuum truck removal and disposal at the Town's municipal landfill hauled liquid waste ponds. This was done most recently in 2021.
- Cell No. 2 has been de-sludged twice (in 2010 and 2023). During the most recent de-sludging, approximately 77,500 kg of sludge was removed from Cell No. 2 and Cell No. 3 collectively. In 2021 the Cell was partially drained, and rags were removed from the diffusers.
- Cell No. 3 has been de-sludged twice (in 2018 and 2023). As noted above, approximately 77,500 kg of sludge was removed from cell No. 2 and Cell No. 3 collectively.

4.2 Analytical Sampling (OC 5.6, 7.2.4.7)

Cell No. 1 is sampled annually as a part of the sludge monitoring program outlined in Section 5.6 of the OC. Sampling for 2025 is outlined in Table 4-1 below. The analytical report is presented in Appendix C.

TABLE 4-1: AERATED LAGOON CELL NO. 1 – SLUDGE SAMPLING RESULTS (E230278)

SLUDGE MONITORING PROGRAM	
ANALYSIS PARAMETER	CELL NO. 1 SEWER SITE (E230278)
Date Sampled	October 7, 2025
Date Reported	October 17, 2025
Work Order	25J1161
GENERAL PARAMETERS	
Total Solids*	16%
Moisture	84%
Total Volatile Solids*	40.4%
Total Kjeldahl Nitrogen*	0.216%
STRONG ACID LEACHABLE METALS	
Aluminum	3,890 mg/kg dry
Arsenic	8.24 mg/kg dry
Cadmium	1.12 mg/kg dry
Calcium	37,300 mg/kg dry
Chromium	44.2 mg/kg dry
Cobalt	2.98 mg/kg dry
Copper	1,090 mg/kg dry
Iron	12,500 mg/kg dry
Lead	37.1 mg/kg dry
Manganese	186 mg/kg dry
Mercury	1.77 mg/kg dry
Molybdenum	26.8 mg/kg dry
Nickel	28.2 mg/kg dry
Silver	8.58 mg/kg dry
Sodium	964 mg/kg dry
Zinc	1,050 mg/kg dry

5.0 System Hydraulic Balance (OC 3.16)

As defined in the OC Section 3.16, the Town is required to operate and maintain the aerated lagoons and the reclaimed wastewater storage reservoir to minimize leakage. A system hydraulic balance represents a methodology to confirm that the system is being operated in accordance with Section 3.16 of the operational certificate. A hydraulic balance for the Town of Osoyoos system in 2025 is presented in Table 5-1.

TABLE 5-1: 2025 SYSTEM HYDRAULIC BALANCE

		<u>As per data</u>	
	Volume in Storage - January 2, 2025	230,121	m ³
(plus)	Total Sewage Inflow	856,515	m ³
(plus)	Freshwater Inflow	0	m ³
(minus)	Total Reclaimed Water Use	558,143	m ³
(minus)	Unaccounted Gains/Losses	187,679	m ³
	Volume in Storage - December 31, 2025	340,813	m ³

As seen in the hydraulic balance, there is an unaccounted loss of 187,679 m³. With a surface area of 11.6 ha and an evaporation rate of 0.8 m/year, there is a potential evaporation loss of 93,000 m³/year, which can account for some of the system losses observed. While it was not recorded, some of these losses may be attributed to use of the rapid infiltration bed.

6.0 Groundwater Monitoring (OC 5.7, 7.2.4.9)

As per sections 5.7 and 7.2.4.9 of the OC, records of groundwater well elevations and ground/surface water quality are to be reported annually with results reviewed by a qualified professional engineer (hydrogeologist).

In 2019 Wester Water Associates Ltd (WWA) prepared a comprehensive hydrogeological report following review of background annual report data from 2010 to 2017. WWAL then completed an annual monitoring report between the 2018 and 2019 reporting year. Based on the recommendations in these reports, the Town of Osoyoos installed three additional groundwater monitoring wells. Two were installed in 2021 and the third was installed in 2023.

Following this work, a 2024 hydrogeological review of the Town of Osoyoos' reclaimed wastewater irrigation and disposal system environmental monitoring programme was reviewed by WWA and published in June 2025. This report updated their previous assessments with data collected between 2020 and 2024. Recommendations are included herein.

Presented in Section 6.1.1 are the 2025 sampling results for the groundwater monitoring programme.

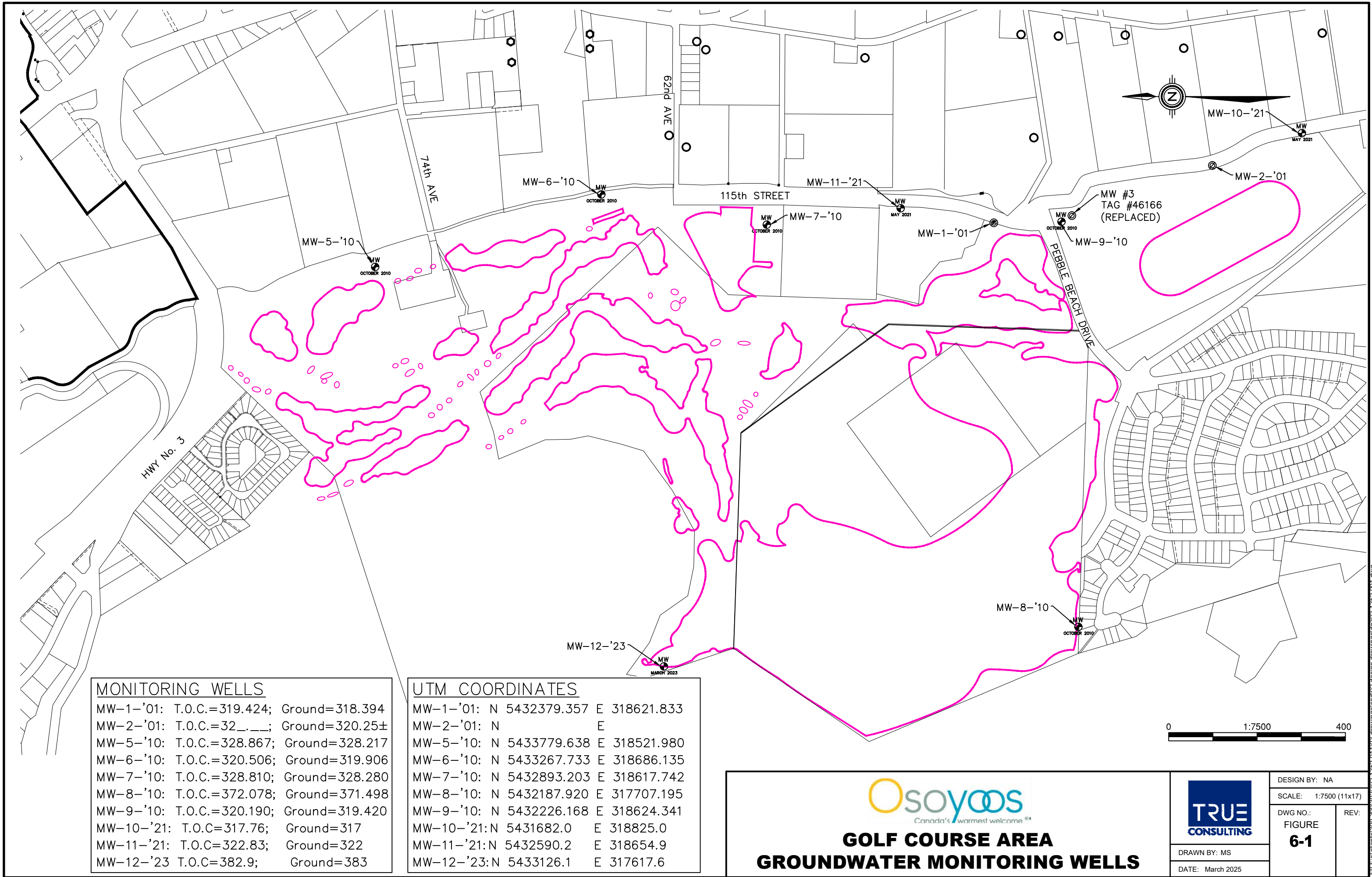
6.1.1 Monitoring Programme

The groundwater monitoring programme consists of semi-annual (May and September) monitoring of groundwater quality and monthly monitoring of water levels in the seven monitoring wells surrounding the treatment facility.

Figure 6-1 illustrates groundwater monitoring wells on the Osoyoos West Bench. Monitoring wells MW 1-'01 and MW 2-'01 represent the original wells drilled in 2001, used to monitor down gradient groundwater quality. MW-5-'10, MW-6-'10, MW-7-'10, MW-8-'10, and MW-9-'10 were drilled in 2010. MW-10-21 and MW-11-21 were drilled in 2021 and MW-12-23 in 2023.

The location of the 10 monitoring wells is illustrated on Figure 6-1. The groundwater monitoring programme consists of the following:

- Monthly measurement of the depth to the groundwater table;
- Semi-annual (May and September) analytical sampling of:
 - Total Dissolved Phosphorus
 - Ammonia (as N)
 - Nitrate-Nitrite (as N)
 - Chloride
 - Sodium
 - Hardness



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6.1.2 Groundwater Monitoring Data

Two of the seven wells (MW-02-'01 and MW-06-'10) were dry as of the year of 2011.

MW-11-'21 was reported as dry in 2023, 2024 and 2025.

In June 2013, groundwater in MW-02-'01 was once again observed and thus measured.

Monthly depth to groundwater levels are measured in each monitoring well. Town staff reporting can be found in Appendix G.

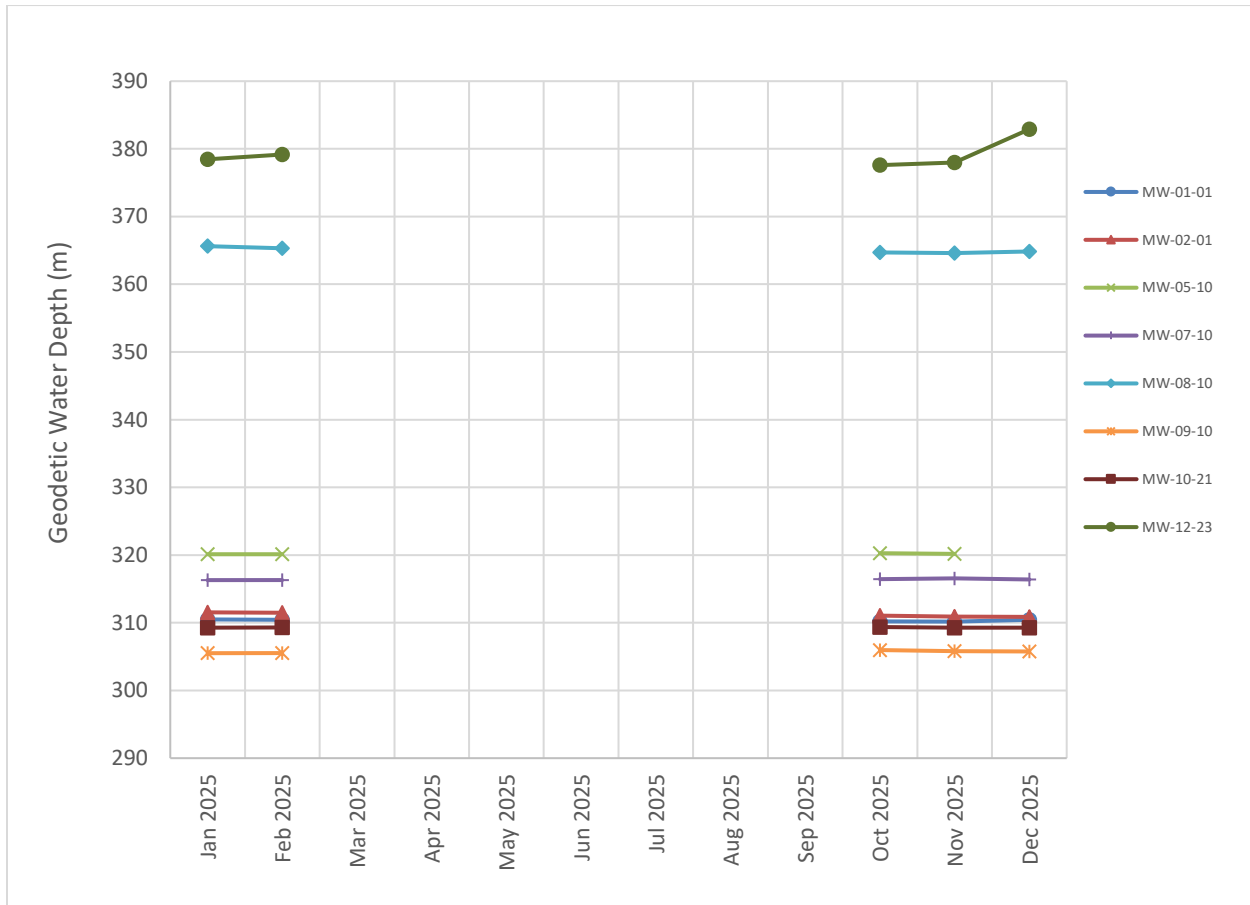


FIGURE 6-2: DEPTH TO GROUNDWATER IN MONITORING WELLS - GOLF COURSE AREA - 2025

As illustrated in the above plot of geodetic levels recorded during 2025, groundwater wells were not monitored between March and September in 2025. Despite this gap, the recorded data suggests that the groundwater depth remained relatively stable.

No groundwater analytical sampling was conducted at the monitoring wells during the 2025 monitoring period.

6.2 Groundwater Monitoring Program Review

In June 2025, a hydrogeological review of the Town's reclaimed wastewater irrigation and disposal system environmental monitoring program was completed by Western Water Associates Ltd. (WWAL). The review incorporated all available monitoring data from 2010 to 2019 and monitoring data collected between 2020 and 2024. The hydrogeological review report is provided in Appendix G.

- Groundwater levels across monitoring wells have remained generally stable over the monitoring period, with seasonal fluctuations observed, particularly at MW-1-10 due to irrigation-related recharge.
- Groundwater flow direction is generally eastward toward Osoyoos Lake, with local variations influenced by surface drainage and shallow aquifer conditions.
- Groundwater quality results show generally low concentrations across most wells; however, MW-5-10 and MW-9-10 show elevated chloride, sodium, and nitrate concentrations, likely influenced by irrigation and land use activities.
- Monitoring data indicates elevated wastewater indicator parameters at MW-2-01, likely associated with nearby irrigation and facility operations.
- Water quality exceedances were recorded for chloride and nitrate during 2023 and 2024 monitoring events at select wells.
- Background monitoring well MW-8-10 also shows elevated parameter variability likely related to its downgradient location from irrigation areas, although limited sampling data is available.
- Continue monthly groundwater level monitoring and bi-annual water quality sampling at all active monitoring wells, and consider low-flow sampling techniques for wells with limited water availability.
- Expand reclaimed water sampling parameters to include additional nutrients, bacteria indicators, and major ions to improve irrigation impact assessment.
- Incorporate QA/QC procedures into groundwater monitoring, including duplicate sampling in accordance with provincial sampling guidelines.
- Complete a detailed historical land use review near MW-5-10 and continue monitoring to evaluate potential contamination sources.
- Maintain detailed records of wastewater discharge volumes to support groundwater and water quality interpretation.
- Assess pH conditions in monitoring wells to evaluate ammonia exceedance potential and regulatory compliance.

7.0 Operator Certification

The Town of Osoyoos is a Municipal Wastewater Treatment Class I (MWWT-I) facility under the Environmental Operators Certification Program (Facility #243). This classification was renewed in 2018. In compliance with OC Section 3.8, operator certification is summarized as follows:

Jill Abney	Water Treatment Level IV Wastewater Treatment Level II Water Distribution Level I Wastewater Collection Level I Small Wastewater Systems
Kevin Carlston	Water Distribution Level III Chlorine Handling Certified Confined Space Rescue
David Gordin	Multi-Utility Water Distribution Level II Multi-Utility Water Treatment Level I
Sean Fawley	Water Treatment Level III Water Distribution Level II Wastewater Treatment Level I Small Wastewater Systems
Brendon Jone	Water Distribution Level II Wastewater Collection Level II Confined Space Chlorine Handling Certified
Sheldon Newman	Water Distribution Level I Small Wastewater Systems
Andrew Fortier	Wastewater Collection Level II
Reid Tucker	Water Distribution Level I
Manuel Mora	Wastewater Collection Level I

8.0 Non-Compliance and Recommendations

Table 8-1 provides a summary of non-compliance items and recommended remedial actions to be completed by the Town.

TABLE 8-1 2025 NON-COMPLIANCE ITEMS

OC SECTION	NON-COMPLIANCE	REMEDIAL ACTION
4.1.2, 5.5.3	Weekly chlorine residual of at least 1 mg/L must be maintained at all times, immediately prior to irrigating. This residual is not being achieved consistently during sampling. Of the 34 samples taken, 32 had a residual below 1 mg/L.	It is recommended that the Town: - Install an in-line chlorine analyzer which will allow for representative chlorine residual sampling results. - Re-circulate stagnant treated reclaimed water back into the chlorination system. - Adjust chlorination as required to achieve the 1 mg/L chlorine residual objective.
4.1.3, 5.5.3	Fecal coliforms shall not exceed 200 MPN per 100 mL for agricultural, silvicultural and low public use lands, or exceed 2.2 MPN per 100 mL for high public use lands. On August 25th fecal coliforms measured 34 MPN/100mL. On October 7th fecal coliforms measured 6 MPN/100mL).	It is recommended that the Town: Maintain compliant chlorine residual levels post chlorine contact chamber.
5.5.3	A sample for analysis of the reclaimed water to be used for irrigation is to be obtained for the following: - Fecal coliforms MPN/100 mL, monthly; - Total coliforms MPN/100 mL, monthly; - total phosphorus mg/L, monthly; - total nitrogen mg/L, monthly; and - chlorine residual mg/L, weekly. Except for chlorine residual, no other parameters were tested in June or October.	It is recommended that the Town: Complete monthly reclaimed water grab sampling as per Section 5.5.3 of the OC in 2026.
5.2, 7.2.4.2	Sampling of the plant influent is to be obtained semi-annually. The Town is to obtain analysis of the influent sample for the following: - total phosphorus and ortho phosphorus, expressed as P in mg/L; and 5-day biochemical oxygen demand, mg/L. For both samples in 2025, chemical oxygen demand (COD) was analyzed in place of the required 5-day biochemical oxygen demand. Orthophosphate was not sampled.	It is recommended that the Town: Complete semi-annual influent sampling of total phosphorus, ortho phosphorus, and 5-day biochemical oxygen demand as per Section 5.2 of the OC in 2026.

5.3.2, 7.2.4.3	5.3.2 of the OC specifies that the effluent after Cell No. 3 be sampled as follows: a) 5-day biochemical oxygen demand, mg/l, monthly; b) total suspended solids (non-filterable residue), mg/L, monthly; c) total phosphorus, ortho phosphorus and total dissolved phosphorus, all expressed as mg/L P, semi-annually; and d) total nitrogen, ammonia nitrogen, nitrate nitrogen, nitrite nitrogen, and organic nitrogen, all expressed as mg/L N, semi-annually. Nine months were sampled in 2025. The 5-day biochemical oxygen demand is being improperly tested as chemical oxygen demand for a number of months. TSS measured 61 mg/L in October 2025. Total phosphorous was not sampled on a semi-annual basis.	It is recommended that the Town: ▪ Ensure all testing increments are being met and that the required analytical testing is completed.
5.7.3, 7.2.4.9	The Groundwater Monitoring Program requires monthly groundwater level measurements and semi-annual analytical sampling for all ten monitoring wells. In 2025, groundwater level measurements were not recorded for eight months, and no analytical samples were collected or analyzed.	It is recommended that the Town: ▪ Ensure measurements and analytical sampling is completed for all 10 monitoring wells as per the schedule outlined in the ground water monitoring program. If wells are dry and cannot be sampled, the Town should work with WWA on an updated groundwater monitoring programme.
5.5.1	As required by OC, a suitable flow measuring device must be installed and maintained to record reclaimed water irrigation volumes and irrigation locations/areas. However, data from the Secondary School Irrigation Meter and the Desert Park Reclaimed Water Meter were not provided for 2025.	It is recommended that the Town: ▪ The Town is to ensure that the reclaimed water irrigation flow meters are operational and that irrigation volumes and locations are properly recorded. Beginning in 2026, the required data will be collected and included in the annual monitoring report to ensure compliance with the OC.

9.0 Capital Project Budget 2026

The town has the following capital projects anticipated for 2026:

- Piazza Lift Station Replacement (Carry forward from 2025)
- Marina Lift Station SCADA Upgrade
- Quail Place Sanitary Sewer Reconstruction
- WWTP Emergency Generator
- WWTP Upgrade Preliminary Design
- 89th Street Relining
- Lift station SCADA Upgrades 2026: Spare pumps for lift stations
- Ponderosa Dr. Sanitary Upgrades

APPENDIX A

Influent Flow Summaries (OC 7.2.4.10)

Golf Course Vaughn Pump Station 2025																																		
Inspection				Total Volume m3		Wet Well			Pump 1					Pump 2					Kiosk							Pump Can					VC			
Month	Date	Time	Operator	Total	Demand	PSI	GPM	Well %	Total Hours	Run Time	Amps	Hz	Oil	Total Hours	Run Time	Amps	Hz	Oil	Heater	Fan	Insulation	Clean	Antenna	Blower	Odor Control	Security	Chains	Cables	Rails	Can	H2S	Security	Temp	Security
January	6	1:00PM		268316	124			1.33	3225	2.34			Good	2979	124			Good	Working	Not Working	Winterized	Yes	Good	Working	Good	Secure	Good	Good	Good	Dirty		Secure	14	Secure
January	13	9:35AM	MM	268768	114.5			1.64	3236	1.66	14	65	Good	2986	1.1			Good	Working	Not Working	Winterized	Yes	Good	Working	Good	Secure	Good	Good	Good	Dirty		Secure	13	Secure
January	14	3:00PM	KC	268862	114.6			1.29	3238	172			Good	2988	1.07			Good	Working	Not Working	Winterized	Yes	Good	Working	Good	Secure	Good	Good	Good	Dirty		Secure	13	Secure
January	21	12:51PM	BJ	269336	113.8			1.69	3254	2.15			Good	2995	1.09	15	65	Good	Working	Not Working	Winterized	Yes	Good	Working	Good	Secure	Good	Good	Good	Dirty		Secure	13	Secure
January	23	12:00 PM	KC	269473	106		280	1.7	3258	2.43			Good	2996	0.87	16	65	Good	Working	Not Working	Winterized	Yes	Good	Working	Good	Secure	Good	Good	Good	Dirty		Secure	14	Secure
January	24	10:34AM	MM	269533	110		240	1.3	3260	1.76	14	65	Good	2997	1.08	16	65	Good	Working	Not Working	Winterized	Yes	Good	Working	Good	Secure	Good	Good	Good	Dirty		Secure	13	Secure
January	29	1:13PM	MM	269916	104		280	1.6	3271	1.96			Good	3002	0.92	15	65	Good	Working	Not Working	Winterized	Yes	Good	Working	Good	Secure	Good	Good	Good	Dirty		Secure	12	Secure
January	31	11:17AM		270062	104			1.62	3275	1.84			Good	3004	0.92			Good	Working	Not Working	Winterized	Yes	Good	Working	Good	Secure	Good	Good	Good	Dirty		Secure	12	Secure
February	4	1:40PM		270354	111.9		185	1.3	3283	2.34	16	65	Good	3008	0.97			Good	Working		Winterized	Yes	Good	Working	Good	Secure	Good	Good	Good	Dirty		Secure	11.3	Secure
February	6	2:59PM	MM	270511	110.9			1.44	3288	2.42			Good	3010	1.17			Good	Working		Winterized	Yes	Good	Working	Good	Secure	Good	Good	Good	Dirty		Secure	14	Secure
February	7	1:28PM	MM	270572	112.3			1.29	3290	1.59			Good	3011	1.04			Good	Working		Winterized	Yes	Good	Working	Good	Secure	Good	Good	Good	Dirty		Secure	10	Secure
February	13	11:41 AM	KA	270984	120		62	1.25	3300	1.64	16	65	Good	3018	1.12	0	0	Good	Working		Winterized	Yes	Good	Working	Good	Secure	Good	Good	Good	Dirty		Secure	11.3	Secure
February	14	2:36PM	MM	271050	110		276	1.56	3302	1.63			Good	3019	1	16	65	Good	Working		Winterized	Yes	Good	Working	Good	Secure	Good	Good	Good	Dirty		Secure	15	Secure
February	18	10.39AM	BJ	271351	126.2			1.7		3.13	14	65	Good		1.05			Good	Working		Winterized	Yes	Good	Working	Good	Secure	Good	Good	Good	Dirty		Secure	13.8	Secure
February	19	8:03AM	MM	271419	113		192	1.53	2	2.35			Good		1	14	65	Good	Working		Winterized	Yes	Good	Working	Good	Secure	Good	Good	Good	Dirty		Secure	12	Secure
February	20	1:33 PM		271574	105			1.35	7	1.85	16	65	Good	3	0.89	0	0	Good	Working		Winterized	Yes	Good	Working	Good	Secure	Good	Good	Good	Dirty		Secure	12.4	Secure
February	26	11:37 AM	KA	271924	105		0	1.5	16	1.7	0	0	Good	8	1.01	0	0	Good	Working		Winterized	Yes	Good	Working	Good	Secure	Good	Good	Good	Dirty		Secure	15.3	Secure
February	27	2:35 PM	KA	272014	107		0	1.23	19	1.7	0	0	Good	9	0.95	0	0	Good	Working		Winterized	Yes	Good	Working	Good	Secure	Good	Good	Good	Dirty		Secure	19.4	Secure
March	2	10:40AM	BJ	272221	111.2			1.4	25	2.08			Good	12	0.93			Good	Working		Winterized	Yes	Good	Working	Good	Secure	Good	Good	Good	Dirty		Secure	13.9	Secure
March	11	2:12PM		272819	119.4			0.9	41	1.61			Good	21	1.4			Good	Working		Winterized	Yes	Good	Working	Good	Secure	Good	Good	Good	Clean		Secure	14.4	Secure
March	21	2:33PM	MM	273621	119			1.29	3361	1.91	0	0	Good	3051	1.16	0	0	Good	Working		Winterized	Yes	Good	Working	Good	Secure	Good	Good	Good	Clean		Secure	20	Secure
March	26	2:17PM	SF	274064	124.1			1.33	70	1.88			Good	38	1.09			Good	Working		Winterized	Yes	Good	Working	Good	Secure	Good	Good	Good	Clean		Secure	19.6	Secure
March	31	12:56PM	SF	274517	144.9		0	1.17	80	1.99			Good	44	1.23	0	0	Good			Winterized	Yes	Good	Working	Good	Secure	Good	Good	Good	Clean		Secure	15	Secure
April	4	12.50PM	BJ	274846	123.4			1.44	87	1.54			Good	48	1.1			Good			Winterized	Yes	Good	Working	Good	Secure	Good	Good	Good	Clean		Secure	19.7	Secure
April	10	2:48 PM	KA	275383	130.6		282.4	1.36	99	2	0	0	Good	56	1.17	16	65	Good	Working		Winterized	Yes	Good	Working	Good	Secure	Good	Good	Good	Clean		Secure	24	Secure
April	11	1:15PM	SF	275449	127.3			1.4	101	2.34			Good	57	1.09			Good		Working	Summerized	Yes	Good	Working	Good	Secure	Good	Good	Good	Clean		Secure	24.2	Secure
April	22	2:34 PM	KA	276349	140.7		0	1.51	123	2.06	0	0	Good	71	1.28	0	0	Good	Working	Working	Summerized	Yes	Good	Working	Good	Secure	Good	Good	Good	Dirty		Secure	23.3	Secure
May	17	5.10PM	BJ	278398	165.5		0		180	4.32	16	65	Good	101	1.55	0	0	Good		Working	Summerized	Yes	Good	Working	Good	Secure	Good	Good	Good	Dirty		Secure	24.6	Secure
May	27	3:22PM	BJ	279126	132			1.43	206	2.9	0	0	Good	113	1.19	0	0	Good		Working	Summerized	Yes	Good	Working	Good	Secure	Good	Good	Good	Dirty		Secure	31.3	Secure
June	2	7:10PM	SF	279574	150.3		0	1.52	225	4.16	0	0	Good	120	1.32	0	0	Good		Working	Summerized	Yes	Good	Working	Good	Secure	Good	Good	Good	Dirty		Secure	21.3	Secure
June	19	11:00AM	SF	280648	128.7		95	1.33	277	2.92	18	60	Good	144	1.6	11	60	Good		Working	Summerized	Yes	Good	Working	Good	Secure	Good	Good	Good	Clean		Secure	26.7	Secure
July	4	7:04	BJ	280889	149.1		0	1.2	321	3.24	0	0	Good	179	2.75	0	0	Good		Working	Summerized	Yes	Good	Working	Good	Secure	Good	Good	Good	Clean		Secure	25.7	Secure
July	7	9:27AM	MM	280895	147.9		134	1.5	331	2.55	0	0	Good	186	2.55	12	60	Good		Working	Summerized	Yes	Good	Working	Good	Secure	Good	Good	Good	Dirty		Secure	28	Secure
July	11	1:30PM		280902	144.5			1.35	344	3.43				194	1.76					Working	Summerized	Yes	Good	Working	Good	Secure	Good	Good	Good	Clean		Secure	34	Secure
July	17	11:40PM		280920	140.8			1.49	360	2.12			Good	206	1.9			Good		Working	Summerized	Yes	Good	Working	Good	Secure	Good	Good	Good	Dirty		Secure	32	Secure
July	21	11:30AM	SN	280930	152			1.68	369	2.23			Good	214	2.25					Working	Summerized	Yes	Good	Working	Good	Secure	Good	Good	Good	Dirty		Secure	28	Secure
August	22	1:25Pm	AF	281102	134.9			1.4	450	2.01			Good	284	1.94			Good		Working	Summerized	Yes	Good	Working	Good	Secure	Good	Good	Good	Dirty		Secure	32	Secure
August	25	1:40PM	SF	281111	146			1.69	456	2.26			Good	290	2.14			Good		Working	Summerized	Yes	Good	Working	Good	Secure	Good	Good	Good	Dirty		Secure	36.7	Secure
September	5	10:33AM	RT	281138	27			1.67	482	2.19			Good	312	1.76	13	60	Good		Working	Summerized	Yes	Good	Working	Good	Secure	Good	Good	Good	Dirty		Secure	25.7	Secure
September	12	13:50	AF	281154	1																													

Main Lift Station 2025																					
Inspection				Total Volume m3		Low Lift Pump #1		Low Lift Pump #2		Low Lift Pump #3		Odor Control Fan		Drum Screen #1		Drum Screen #2		Auger Press #1		Auger Press #2	
Month	Date	Time	Op	Total	Demand	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time
January	2	2:50PM	BJ	656264	1674.36	3860	1.76	3801	1.77	3756	1.66	39045.8	24	13707.4	14.2	13726.5	14.3	728.5	0.7	732.6	0.8
January	3	8:30AM	KC	657358	1676	3862	1.78	3802	1.82	3757	1.75	39063.3	24	13711.5	4.1	13730.6	4.1	728.8	0.3	732.8	0.2
January	6	1:05 AM	KA	663124	1789	3868	1.89	3808	1.84	3763	1.79	39139.9	24	13733.6	22.1	13752.6	22	729.9	1.1	734	1.2
January	7	8:15AM	KC	664390	1801	3869	1.9	3809	1.87	3765	1.83	39159	24	13738.4	4.8	13757.2	4.6	730.2	0.3	734.3	0.3
January	8	12:57PM	BJ	666639	1694	3871	1.78	3812	1.75	3767	1.73	39187.8	24	13746.9	8.5	13765.9	8.7	730.6	0.4	734.7	0.4
January	9	12:53PM	KA	668454	1774	3873	1.93	3814	1.86	3769	1.84	39211.8	24	13753.8	6.9	13772.8	6.9	731	0.4	735.1	0.4
January	10	2:07PM	BJ	670367	1884	3875	1.92	3816	2	3771	1.91	39237	24	13761	7.2	13780	7.2	731.4	0.4	735.5	0.4
January	13	9:12AM	MM	675110	1772.5	3880	1.86	3821	1.84	3776	1.85	39304.1	24	13779.3	18.3	13798.3	18.3	732.4	1	736.4	0.9
January	14	8:33AM	MM	676714	1696.06	3882	1.85	3822	1.72	3777	1.77	39327.5	24	13785.5	6.2	13804.6	6.3	732.7	0.3	736.8	0.4
January	15	12:45PM	KA	678889	1754	3884	1.81	3824	1.77	3780	1.88	39355.6	24	13793.8	8.3	13812.8	8.2	733.1	0.4	737.2	0.4
January	16	2:33 PM	KA	680814	1767	3886	1.88	3826	1.84	3782	1.81	39381.4	24	13801.1	7.3	13820.2	7.4	733.5	0.4	737.6	0.4
January	17	1:07 PM	KA	682424	1699	3888	1.77	3828	1.74	3783	1.7	39404	24	13807.3	6.2	13826.3	6.1	733.9	0.4	737.9	0.3
January	20	11:30AM	KC	687381	1654	3893	1.75	3833	1.77	3788	1.76	39474.3	24	13826.1	18.8	13845.1	18.8	734.9	1	738.9	1
January	21	11:06AM	BJ	689068	1730	3895	1.82	3835	1.83	3790	1.76	39498	24	13832.7	6.4	13851.8	6.7	735.2	0.3	739.3	0.4
January	22	8:22AM	BJ	690602	1836.18	3897	1.91	3837	1.94	3792	1.82	395192	24	13838.2	5.5	13857.5	6.7	735.5	0.3	739.6	0.3
January	23	1:30PM	KC	692929	1662	3899	1.8	3839	1.68	3794	1.68	39548.4	24	13847.2	9	13866.3	8.8	736	0.5	740.1	0.5
January	24	7:55 AM	KA	694027	1782	3900	1.91	3840	1.86	3795	1.88	39566.8	24	13851.7	4.5	13870.8	4.5	736.2	0.2	740.3	0.2
January	27	10:33AM	BJ	699491	1693	3906	1.76	3846	1.8	3801	1.77	39641.4	24	13872.5	20.8	13891.5	20.7	737.3	1.1	741.4	1.1
January	28	7:54AM	MM	700936	1670	3908	1.75	3847	1.75	3802	1.66	396628	24	13877.9	5.4	13897	5.5	737.6	0.3	741.7	0.3
January	29	11:00AM	KC	702915	1710	3910	1.8	3850	1.8	3804	1.74	39689.9	24	13885.8	7.9	13904.8	7.8	738	0.4	742.1	0.4
January	30	10:41AM		704635	1692	3912	1.77	3851	1.78	3806	1.74	39713.6	24	13892.3	6.5	13911.4	6.6	738.4	0.4	742.5	0.4
January	31	10:30AM	BJ	706325	1751.68	3913	1.85	3853	1.81	3808	1.8	39737.4	24	13898.8	6.5	13917.9	6.5	738.7	0.3	742.8	0.3

Main Lift Station 2025																							
Inspection				High Lift Pump #1		High Lift Pump #2		High Lift Pump #3		Bypass Pump #1		Bypass Pump #2		Room Temperatures					H2S/LEL Levels				
Month	Date	Time	Op	otal Hour	Run Time	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time	Odor Control	Screen	High Lift	Electrical	Mechanical	Odor Control	Screen	High Lift	Electrical	Mechanical
January	2	2:50PM	BJ	3796	1.66	3724	1.58	2927	1.49	12	0	10	0	20.3	19.2	10.3	23.6	18		0/0.	0/8.6		
January	3	8:30AM	KC	3797	1.63	3725	1.61	2928	1.52	12	0	10	0	20	19	11	24	18		0/0.1	0/8.3		
January	6	1:05 AM	KA	3803	1.85	3730	1.69	2933	1.55	12	0	10	0	22.5	20.4	13	24.2	17.6		1/0.1	0/7.9		
January	7	8:15AM	KC	3804	1.75	3730	1.83	2934	1.54	12	0	10	0	21	16	11	23	18		0/0.1	0/8.3		
January	8	12:57PM	BJ	3807	1.69	3734	1.64	2937	1.48	12	0	10	0	21	19	11	24	17		0/0.1	0/8.3		
January	9	12:53PM	KA	3808	1.64	3735	1.65	2938	1.72	12	0	10	0	19.9	19	10.9	23.4	18.3		0/0.1	0/8.3		
January	10	2:07PM	BJ	3810	1.9	3737	1.77	2940	1.67	12	0	10	0	20.3	19	10.7	23	18.2		0/0.1	0/8.3		
January	13	9:12AM	MM	3815	1.66	3742	1.68	2944	1.67	12	0	10	0	19	18	9	23	17		0/0.1	0/8.3		
January	14	8:33AM	MM	3816	1.65	3743	1.59	2946	1.54	12	0	10	0	19	16	9	23	18		0/0.1	0/8.3		
January	15	12:45PM	KA	3818	1.71	3745	1.71	2948	1.54	12	0	10	0	19.8	19	10.5	23.1	17.9		0/0.1	0/8		
January	16	2:33 PM	KA	3820	1.68	3747	1.7	2949	1.63	12	0	10	0	20.6	19.2	11.4	23.7	17.5		0/0.1	0/8.3		
January	17	1:07 PM	KA	3822	1.76	3749	1.6	2951	1.47	12	0	10	0	20.7	18.8	11.3	22.8	17.6		0.8/0.1	0/7.8		
January	20	11:30AM	KC	3827	1.7	3753	1.56	2955	1.42	12	0	10	0	19	16	11	23	18		0/0.1	0/8.3		
January	21	11:06AM	BJ	3828	1.63	3755	1.67	2957	1.6	12	0	10	0	19	16	12.7	23	18		0/0.1	0/8.6		
January	22	8:22AM	BJ	3830	1.78	3756	1.71	2958	1.75	12	0	10	0	18.1	14.1	12.1	23	17.5		0/0.1	0/8.5		
January	23	1:30PM	KC	3832	1.54	3759	1.64	2960	1.54	12	0	10	0	20	17	14	23	17		0/0.1	0/8.3		
January	24	7:55 AM	KA	3833	1.9	3760	1.6	2961	1.54	12	0	10	0	19	15.2	13.6	23.3	17.5		0/0	0/8.3		
January	27	10:33AM	BJ	3839	1.67	3765	1.65	2966	1.49	12	0	10	0	19	15.3	13.9	23.3	16.9		0/0.1	0/8.3		
January	28	7:54AM	MM	3840	1.61	3766	1.57	2968	1.56	12	0	10	0	18	13	13	23	17		0/0.01	0/8.3		
January	29	11:00AM	KC	3842	1.69	3768	1.64	2969	1.55	12	0	10	0	17	14	12	23	17		0/0.01	0/8.5		
January	30	10:41AM		3844	1.88	3770	1.54	2971	1.42	12	0	10	0	16.6	14	11.5	23.1	17.7		0/0.1	0/8.5		
January	31	10:30AM	BJ	3845	1.7	3771	1.76	2972	1.54	12	0	10	0	17.8	15.4	13	23	17.5		0/0.1	0/8.5		

Main Lift Station 2025																							
Inspection				Low Lift		High Lift		Low Lift Pump #1		Low Lift Pump #2		Low Lift Pump #3		Odor Control Room						Drum Screen #1 Bearings			
Month	Date	Time	Op	Well %	Well %	PSI	LPS	Amps	Hz	Amps	Hz	Amps	Hz	Amps	Hz	Fan Diff. PSI	Media Diff. P	Bearings Temp	Grease	Temp	Grease	Amps	Hz
January	2	2:50PM	BJ	1.53	1.68	97	0	0	0	0	0	0	0	0	0	0.6	2	23.9/20.5	Good	16/15	Good		
January	3	8:30AM	KC	1.05	0.94	97										0.6	2	17/21	Good	14/13	Good		
January	6	1:05 AM	KA	1.32	0.76	110	100	19	55	0	0	0	0			0.6	2	24.8/21.9	Good	15/14	Good		
January	7	8:15AM	KC	1.24	1.32	113	107					20	55			0.7	2	20/23	Good	15/15	Good		
January	8	12:57PM	BJ	1.63	0.93	110	101			20	55					0.6	1.8	23/20	Good	15/14	Good		
January	9	12:53PM	KA	1.34	0.83	111	99	19	55	0	0	0	0			0.6	2	22.1/18.5	Good	13/13	Good		
January	10	2:07PM	BJ	1.66	1.27	110	97	0								0.6	2	21.5/19	Good	15/14	Good		
January	13	9:12AM	MM	1.24	1.32	97	0					20	55			0.6	2	23/18	Good	15/15	Good		
January	14	8:33AM	MM	1.56	1.2	111	102			20	55					0.6	2	16/20	Good	13/14	Good		
January	15	12:45PM	KA	1.18	1.18	109	96	19	55	0	0	0	0			0.6	2	20.6/17.2	Good	13/13	Good		
January	16	2:33 PM	KA	0.79	1.61	113	100	0	0	0	0	0	0			0.6	1.9	20.1/17	Good	13/13	Good		
January	17	1:07 PM	KA	1.38	1.29	112	104	19	55	0	0	0	0			0.6	1.8	21.3/18.3	Good	15/14	Good		
January	20	11:30AM	KC	1.51	0.91	113	101									0.5	1.6	21/23	Good	13/14	Good		
January	21	11:06AM	BJ	1.11	1.57	111	96									0.5	1.6	18.6/16.4	Good	13/13	Good		
January	22	8:22AM	BJ	1.01	1.48	110	98			20	55					0.5	1.6	20.6/18	Good	10/10.1	Good		
January	23	1:30PM	KC	0.83	0.87	97	0									0.5	1.6	21/23	Good	15/13	Good		
January	24	7:55 AM	KA	0.97	1.73	112	105	19	55	0	0	0	0			0.5	1.6	23/20.1	Good	9/10.1	Good		
January	27	10:33AM	BJ	0.9	1.32	97	0	19	55	20	55					0.5	1.6	20.9/17.7	Good	12.6/12.1	Good		
January	28	7:54AM	MM	0.76	0.84	97	0	0	0	0	0	12	55			0.5	1.5	22/18	Good	13/12.1	Good		
January	29	11:00AM	KC	0.78	1.83	112	104					20	55			0.5	1.6	16/19	Good	8/8.1	Good		
January	30	10:41AM		1.31	1.55	114	104	0	0	20	55	0	0			0.5	1.6	20.3/17.9	Good	11/10.1	Good		
January	31	10:30AM	BJ	1.09	1.53	112	104	19	55	20	55	0	0			0.5	1.6	19.8/17.6	Good	11.4/10.6	Good		

Main Lift Station 2025																			
Inspection				Drum Screen #2 Bearings				Flush	Clean	Verticle Turbine Pump #1						Verticle Turbine Pump #2			
Month	Date	Time	Op	Temp	Grease	Amps	Hz	Trough	Screens	Bearing C (1)	Bearing C	Packing	Vibration	Amps	Hz	Bearing C (1)	Bearing C	Packing	Vibration
January	2	2:50PM	BJ	15/14	Good			Yes	Yes			Good						Good	
January	3	8:30AM	KC	14/13	Good			Yes	Yes			Good						Good	
January	6	1:05 AM	KA	15/14	Good			Yes	Yes	20/19.2	19.2/19.5	Good		0	0	18.1/16.5	19.1/18.4	Good	Good
January	7	8:15AM	KC	15/14	Good			Yes	Yes			Good						Good	
January	8	12:57PM	BJ	16/15	Good			Yes	Yes	17.4/16.6	18.5/18.3	Good		138	60			Good	
January	9	12:53PM	KA	15/13	Good			Yes	Yes	13/12.9	16.9/16.3	Good	Good	138	60			Good	
January	10	2:07PM	BJ	15/13	Good			Yes	Yes	15/14	18/19	Good	Good	138	60			Good	
January	13	9:12AM	MM	15/14	Good			Yes	Yes	14/14	14/13	Good						Good	
January	14	8:33AM	MM	13/13	Good			Yes	Yes			Good				13/13	13/13	Good	
January	15	12:45PM	KA	13/13	Good			Yes	Yes	17/15.7	14.6/14.2	Good	Good	138	60	15.4/15	15/14.2	Good	
January	16	2:33 PM	KA	14/13	Good			Yes	Yes	16.8/15.7	18/17.8	Good	Good	140	60	19.5/19	18.2/18	Good	
January	17	1:07 PM	KA	15/13	Good			Yes	Yes			Good		0	0			Good	
January	20	11:30AM	KC	14/14	Good			Yes	Yes			Good						Good	
January	21	11:06AM	BJ	13/14	Good			Yes	Yes	18.1/17.5	20.2/19.8	Good	Good	143	60			Good	
January	22	8:22AM	BJ	10/8.1	Good			Yes	Yes	17.5/17.4	17.5/17.5	Good	Good	145	60			Good	
January	23	1:30PM	KC	13/14	Good			Yes	Yes			Good						Good	
January	24	7:55 AM	KA	11/9.4	Good			Yes	Yes			Good		0	0	21.7/20.4	19.9/19.4	Good	
January	27	10:33AM	BJ	11.2/10	Good			Yes	Yes	17.2/17	17.9/18.2	Good	Good	138	60			Good	
January	28	7:54AM	MM	14/10.1	Good			Yes	Yes			Good						Good	
January	29	11:00AM	KC	14/14	Good			Yes	Yes			Good						Good	
January	30	10:41AM		11/10.1	Good			Yes	Yes			Good						Good	
January	31	10:30AM	BJ	11/9.3	Good			Yes	Yes			Good						Good	

Main Lift Station 2025																						
Inspection				Verticle Turbine Pump #3						Mechanical Room		High Lift Bypass			Bypass Pump #1		Bypass Pump #2		Security			
Month	Date	Time	Op	Up Bearing C (1+2)	Low Bearing C (3+4)	Packing	Vibration	Amps	Hz	NTU	Residual	Well %	PSI	GPM	Amps	Hz	Amps	Hz	Doors	Gates	Hatches	
January	2	2:50PM	BJ	12.4/11.9	14.9/14.5	Good	Good	60	139		0.98	1.66		0	0	0	0		Secure	Secure	Not Secure	
January	3	8:30AM	KC			Good					0.44	1.66							Secure	Secure	Not Secure	
January	6	1:05 AM	KA	18.6/18.3	16.7/16.2	Good		0	0		1.11	1.66							Secure	Secure	Not Secure	
January	7	8:15AM	KC	17/18	17/16	Good	Good	60	137		1.11	1.66							Secure	Secure	Not Secure	
January	8	12:57PM	BJ			Good					1.1	1.66							Secure	Secure	Not Secure	
January	9	12:53PM	KA			Good		0	0		0.51	1.66							Secure	Secure	Not Secure	
January	10	2:07PM	BJ			Good					0.58	1.66							Secure	Secure	Not Secure	
January	13	9:12AM	MM			Good					0.97	1.66							Secure	Secure	Not Secure	
January	14	8:33AM	MM			Good					0.48	1.66							Secure	Secure	Not Secure	
January	15	12:45PM	KA	17/16.4	15.4/15	Good		0	0		1.14	1.66							Secure	Secure	Not Secure	
January	16	2:33 PM	KA	18.8/18.5	17.6/18.2	Good		0	0		1.1	1.66							Secure	Secure	Not Secure	
January	17	1:07 PM	KA	16.9/15.9	16/27.2	Good	Good	139	60		1.12	1.66							Secure	Secure	Not Secure	
January	20	11:30AM	KC	15/15	16/17	Good	Good	140	60		0.5	1.66							Secure	Secure	Not Secure	
January	21	11:06AM	BJ			Good					1.02	1.66							Secure	Secure	Not Secure	
January	22	8:22AM	BJ			Good					0.61	1.66							Secure	Secure	Not Secure	
January	23	1:30PM	KC			Good					1	1.66							Secure	Secure	Not Secure	
January	24	7:55 AM	KA			Good		0	0		0.52	1.65							Secure	Secure	Not Secure	
January	27	10:33AM	BJ			Good					1.02	1.66							Secure	Secure	Not Secure	
January	28	7:54AM	MM			Good					0.68	1.66							Secure	Secure	Not Secure	
January	29	11:00AM	KC	17/16	17/17	Good	Good	60	141		1.23	1.66							Secure	Secure	Not Secure	
January	30	10:41AM		19.9/19.1	19/19.2	Good	Good	60	138		0.62	1.66							Secure	Secure	Not Secure	
January	31	10:30AM	BJ	16.6/16.4	18.2/17.1	Good	Good	60	138		0.72	1.66							Secure	Secure	Secure	

Main Lift Station 2025																					
Inspection				Total Volume m3		Low Lift Pump #1		Low Lift Pump #2		Low Lift Pump #3		Odor Control Fan		Drum Screen #1		Drum Screen #2		Auger Press #1		Auger Press #2	
Month	Date	Time	Op	Total	Demand	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time
February	3	9:50	BJ	711624	1717.83	3919	1.76	3859	1.83	3813	1.81	39809.6	24	13918.9	20.1	13938	20.1	739.8	1.1	743.9	1.1
February	4	11:24AM	KA	713403	1741.99	3921	1.79	3860	1.76	3815	1.73	39834.3	24	13925.8	6.9	13944.8	6.8	740.2	0.4	744.3	0.4
February	5	2:38PM	MM	715568	1716.06	3923	1.87	3863	1.85	3817	1.77	39861.5	24	13934	8.2	13953.1	8.3	740.6	0.4	744.7	0.4
February	6	2:20PM	KC	717206	1848.2	3925	1.96	3864	1.89	3819	1.9	39885.2	24	13940.4	6.4	13959.5	6.4	740.9	0.3	745	0.3
February	7	10:30AM		718623	1703.44	3926	1.83	3866	1.74	3820	1.72	39905.4	24	13945.8	5.4	13964.9	5.4	741.2	0.3	745.3	0.3
February	10	1:06PM		724323	1781.89	3932	1.93	3872	1.85	3826	1.86	39980.2	24	13967.6	21.8	13986.7	21.8	742.4	1.2	746.5	1.2
February	11	8:20AM	MM	725657	1792.91	3934	1.83	3873	1.89	3828	1.85	39999.2	24	13972.7	5.1	13991.8	5.1	742.6	0.2	742.6	0.2
February	12	2:10 PM	KA	728021	1802.4	3936	1.92	3876	1.87	3830	1.91	40029.2	24	13981.7	9	14000.8	9	743.1	0.5	747.2	4.6
February	13	1:38 PM	KA	729739	1782.38	3938	1.85	3877	1.81	3832	1.82	40052.5	24	13988.4	6.7	14007.5	6.7	743.5	0.4	747.6	0.4
February	14	11:17AM		731321	1751.76	3940	1.87	3879	1.84	3833	1.85	40074.2	24	13994.5	6.1	14013.5	6	743.8	0.3	747.9	0.3
February	17	9:58AM	MM	736707	1810.85	3945	1.9	3885	1.92	3839	1.95	40144.9	24	14015.1	20.6	14034.2	20.7	744.9	1.1	749	1.1
February	18	8:02AM	MM	738394	1912.33	3947	1.96	3886	1.93	3841	1.99	40166.9	24	14021.6	6.5	14040.7	6.5	745.2	0.3	749.4	0.4
February	19	1:40 PM		740849	1822.4	3950	1.9	3889	2.01	3843	1.85	40196.9	24	14030.9	9.3	14050	9.3	745.7	0.5	749.8	0.4
February	20	11:22AM	BJ	742574	1924.2	3952	2.04	3891	1.99	3881	1.87	40218.3	24	14037.4	6.5	14056.5	6.5	746.1	0.4	750.2	0.4
February	21	1:45PM		744567	1814.64	3954	1.93	3893	1.91	3847	1.89	40244.6	24	14045.1	7.7	14064.1	7.6	746.5	0.4	750.6	0.4
February	24	10:47AM	MM	749711	1846.13	3959	2.03	3898	1.93	3852	1.85	40313.7	24	14064.8	19.7	14083.9	19.8	747.5	1	751.7	1.1
February	25	8:30AM	KC	751196	1798.04	3961	1.85	3900	1.84	3854	1.79	40335.3	24	14070.8	6	14089.8	5.9	747.8	0.3	752	0.3
February	26	2:34 PM	KA	753633	1768.21	3963	1.95	3902	1.86	3856	1.8	40365.5	24	14080.1	9.3	14099.2	9.4	748.3	0.5	752.5	0.5
February	27	1:24 PM	KA	755272	1771.61	3965	1.91	3904	1.87	3858	1.79	40388.3	24	14086.6	6.5	14105.7	6.5	748.7	0.4	752.8	0.3
February	28	2:16 PM	KA	757232	1789.31	3967	1.84	3906	1.86	3860	1.85	40413.2	24	14094	7.4	14113.1	7.4	749.1	0.4	753.2	0.4

Main Lift Station 2025																							
Inspection				High Lift Pump #1		High Lift Pump #2		High Lift Pump #3		Bypass Pump #1		Bypass Pump #2		Room Temperatures					H2S/LEL Levels				
Month	Date	Time	Op	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time	Odor Control	Screen	High Lift	Electrical	Mechanical	Odor Control	Screen	High Lift	Electrical	Mechanical
February	3	9:50	BJ	3851	1.67	3776	1.64	2977	1.58	12	0	10	0	17.7	14.2	13.4	23.1	17.7		0/0	0/8.5		
February	4	11:24AM	KA	3853	1.87	3778	1.57	2979	1.53	12	0	10	0	15.4	12.3	11.8	23.8	17		0/0	0/8.3		
February	5	2:38PM	MM	3855	1.7	3780	1.66	2981	1.54	12	0	10	0	17	13	12	23.5	16		0/0	0/8.3		
February	6	2:20PM	KC	3856	1.75	3782	180	2982	1.69	12	0	10	0	15	13	12	23	17		0/0	0/8.5		
February	7	10:30AM		3858	1.7	3783	1.66	2984	1.49	12	0	10	0	14.6	12.2	11.4	23.6	17		0/0	0/8.5		
February	10	1:06PM		3863	1.79	3788	1.59	2989	1.67	12	0	10	0	16.8	14	13.1	23	17.8		0/0	0/8.3		
February	11	8:20AM	MM	3865	1.83	3790	1.69	2990	1.56	12	0	10	0	15	10	11	23	17		0/0	0/8.5		
February	12	2:10 PM	KA	3867	1.68	3792	1.69	2992	1.74	12	0	10	0	18.4	14.1	11.8	23.3	16.8		0/0	0/8.5		
February	13	1:38 PM	KA	3869	1.81	3794	1.64	2994	1.59	10	0	10	0	17.9	13.4	12	22.8	18		0/0	0/9.1		
February	14	11:17AM		3870	1.7	3795	1.68	2995	1.6	12	0	10	0	17.1	14	12.6	22.7	17.8		0/0	0/9		
February	17	9:58AM	MM	3876	1.8	3800	1.68	3000	1.68	12	0	10	0	19	15	13	23	17		0/0	0/9.1		
February	18	8:02AM	MM	3877	1.77	3802	1.9	3002	1.79	12	0	10	0	19	14	13	23	17		0/0	0/9.1		
February	19	1:40 PM		3880	1.88	3804	1.69	3004	1.62	12	0	10	0	20.2	17	14.5	24	17.7		0/0.1	0/9.1		
February	20	11:22AM	BJ	3881	1.84	3806	1.87	3005	1.77	12	0	10	0	20.6	17.5	15.1	24	18.9		0/0.1	0/9.1		
February	21	1:45PM		3883	1.87	3808	1.72	3007	1.59	12	0	10	0	20.3	17.6	15.3	24.1	18.5		0/0.1	0/9.1		
February	24	10:47AM	MM	3888	1.83	3813	1.72	3012	1.66	12	0	10	0	20	18	16	24	17		0/0.1	0/9		
February	25	8:30AM	KC	3890	1.62	3814	1.89	3013	1.59	12	0	10	0	21	17	16	25	18		0/0.1	0/8.5		
February	26	2:34 PM	KA	3982	1.71	3816	1.72	3015	1.57	12	0	10	0	23.8	19.9	16.6	23.4	19.1		0/0.1	0/0		
February	27	1:24 PM	KA	3894	1.68	3818	1.64	3017	1.7	12	0	10	0	24.4	20.6	17.4	24.9	18		0/0.1	0/0		
February	28	2:16 PM	KA	3896	1.89	3820	1.63	3019	1.56	12	0	10	0	26.4	21.8	18.4	25.2	18.2		0/0.1	0/0		

Main Lift Station 2025																									
Inspection				Low Lift		High Lift				Low Lift Pump #1		Low Lift Pump #2		Low Lift Pump #3		Odor Control Room						Drum Screen #1 Bearings			
Month	Date	Time	Op	Well %	Well %	PSI	LPS	Amps	Hz	Amps	Hz	Amps	Hz	Amps	Hz	Fan Diff.	PSI	Media Diff.	Bearings Temp	Grease	Temp	Grease	Amps	Hz	
February	3	9:50	BJ	1.51	1.33	97		19	55	20	55							0.5	1.6	19.5/16.4	Good	8.1/8	Good		
February	4	11:24AM	KA	1.8	1.39	112	104	0	0	0	0	20	55					0.5	1.6	18.9/16.4	Added Shot	10/9.1	Good		
February	5	2:38PM	MM	0.76	0.82	111	99	0	0	0	0	0	0					0.5	1.6	20/21	Good	10, 11	Added Shot		
February	6	2:20PM	KC	0.98	178	111	102	19	55									0.5	1.6	29/19	Good	10,10	Good		
February	7	10:30AM		1.67	1.49	110	100	0	0	0	0	20	55					0.5	1.6	19/24	Good	10,11	Good		
February	10	1:06PM		0.8	0.77	112	104	0	0	0	0	20	55					0.5	1.6	21/18.1	Good	10,10	Good		
February	11	8:20AM	MM	1.72	1.66	97	0	20	55	0	0	0	0					0.4	1.6	21/17	Good	7, 8	Good		
February	12	2:10 PM	KA	1.45	1.37	112	105	0	0	20	55	0	0					0.5	1.6	17.2/15.2	Good	5/5.4	Good		
February	13	1:38 PM	KA	148	1.69	114	105	0	0	0	0	20	55					0.5	1.6	20.9/18.4	Good	11/10.7	Good		
February	14	11:17AM		1.41	1.34	111	101	20	55	0	0	0	0					0.5	1.6	19.0/16.4	Good	11,12	Good		
February	17	9:58AM	MM	0.89	1.68	91	0	19	55	0	0	0	0					0.4	1.6	20/22	Good	13/15	Good		
February	18	8:02AM	MM	1.64	1.18	110	101	19	55	0	0	0	0					0.5	1.6	23/20	Good	12, 13	Good		
February	19	1:40 PM		1.62	1.34	111	101	0	0	20	55	0	0					0.5	1.6	22/19	Good	12,11	Good		
February	20	11:22AM	BJ	0.79	1.69	114	105	19	55	20	55	20	55					0.5	1.6	23/20.1	Good	14.1/13.2	Good		
February	21	1:45PM		1.2	1.66	113	104	19	55	20	55	0	0					0.5	1.6	21/29	Good	13/11.4	Good		
February	24	10:47AM	MM	0.77	1.68	98	0	0	0	0	0	0	0					0.5	1.6	23/20	Good	15/16	Good		
February	25	8:30AM	KC	1.5	1.16	112	104	19	55									0.5	1.6	23/25	Good	15/15	Good		
February	26	2:34 PM	KA	1.61	1.3	112	104	20	55	0	0	0	0					0.5	1.6	27.9/24.5	Good	13/13	Good		
February	27	1:24 PM	KA	1.12	1.58	112	102	0	0	0	0	20	55					0.5	1.6	25.2/22.7	Good	14/14	Good		
February	28	2:16 PM	KA	1.49	1.51	112	102	0	0	20	55	0	0					0.5	1.6	30.6/27.5	Good	15/14	Good		

Main Lift Station 2025																			
Inspection				Drum Screen #2 Bearings				Flush	Clean	Verticle Turbine Pump #1						Verticle Turbine Pump #2			
Month	Date	Time	Op	Temp	Grease	Amps	Hz	Trough	Screens	Bearing C (1)	Bearing C	Packing	Vibration	Amps	Hz	Bearing C (1)	Bearing C	Packing	Vibration
February	3	9:50	BJ	6.6/6	Good			Yes	Yes			Good				20.9/20.4	20/19.9	Good	Good
February	4	11:24AM	KA	10/11.1	Good			Yes	Yes			Good		0	0			Good	0
February	5	2:38PM	MM	11, 10	Added Shot			Yes	Yes			Good						Good	
February	6	2:20PM	KC	10, 12	Good			Yes	Yes			Good				14/15	18/19	Good	Good
February	7	10:30AM		9,7	Good			Yes	Yes	18.8/17.5	18.3/18.8	Good	Good	60	140			Good	
February	10	1:06PM		11,10	Good			Yes	Yes			Good				21/20	19/20	Good	Good
February	11	8:20AM	MM	8, 9	Good			Yes	Yes			Good						Good	
February	12	2:10 PM	KA	9/6.1	Good			Yes	Yes			Good		0	0			Good	0
February	13	1:38 PM	KA	12/9.6	Good			Yes	Yes			Good						Good	
February	14	11:17AM		11,10	Good			Yes	Yes	19/19.1	18.7/18.4	Good	Good	60	144			Good	
February	17	9:58AM	MM	13/14	Good			Yes	Yes			Good				19/20	20/22	Good	Good
February	18	8:02AM	MM	12, 12	Good			Yes	Yes	19/18	21/21	Good	Good	60	140			Good	
February	19	1:40 PM		13,10	Good			Yes	Yes	21/21	22/22	Good	Good	60	141			Good	
February	20	11:22AM	BJ	13.6/11.6	Good			Yes	Yes			Good						Good	
February	21	1:45PM		12.6/11.2	Good			Yes	Yes	18/20	20/20	Good	Good	60	142			Good	
February	24	10:47AM	MM	16/14	Good			Yes	Yes			Good						Good	
February	25	8:30AM	KC	15/15	Good			Yes	Yes			Good						Good	
February	26	2:34 PM	KA	14/13	Good			Yes	Yes			Good						Good	
February	27	1:24 PM	KA	14/13	Good			Yes	Yes			Good				24.8/24.6	23.5/23.5	Good	Good
February	28	2:16 PM	KA	15/14	Good			Yes	Yes			Good				27.8/27.3	26.7/26.3	Good	Good

Main Lift Station 2025																					
Inspection				Verticle Turbine Pump #3						Mechanical Room		High Lift Bypass			Bypass Pump #1		Bypass Pump #2		Security		
Month	Date	Time	Op	Up Bearing C (1+2)	Low Bearing C (3+4)	Packing	Vibration	Amps	Hz	NTU	Residual	Well %	PSI	GPM	Amps	Hz	Amps	Hz	Doors	Gates	Hatches
February	3	9:50	BJ			Good					0.77	1.66							Secure	Secure	Not Secure
February	4	11:24AM	KA	20.2/20.3	20.220.2	Good	Good	138	60		0.86	1.66							Secure	Secure	Not Secure
February	5	2:38PM	MM			Good					0.99	1.66							Secure	Secure	Not Secure
February	6	2:20PM	KC			Good						1.66							Secure	Secure	Not Secure
February	7	10:30AM				Good					1.15	1.66							Secure	Secure	Not Secure
February	10	1:06PM				Good					1.11	1.66							Secure	Secure	Not Secure
February	11	8:20AM	MM	19/17	18/16	Good	Good				0.75	1.66							Secure	Secure	Not Secure
February	12	2:10 PM	KA	22.6/21.9	20.1/20.2	Good	Good	138	60		1.13	1.66							Secure	Secure	Not Secure
February	13	1:38 PM	KA	21.9/21.3	20.4/20.3	Good	Good	138	60		1.19	1.66							Secure	Secure	Not Secure
February	14	11:17AM				Good					0.77	1.66							Secure	Secure	Not Secure
February	17	9:58AM	MM			Good					0.58	1.67							Secure	Secure	Not Secure
February	18	8:02AM	MM			Good					0.63	1.67							Secure	Secure	Not Secure
February	19	1:40 PM				Good					1.19	1.67							Secure	Secure	Not Secure
February	20	11:22AM	BJ	16.7/17.7	21/20.4	Good	Good	138	60		1.08	1.67							Secure	Secure	Not Secure
February	21	1:45PM				Good					0.92	1.67							Secure	Secure	Not Secure
February	24	10:47AM	MM			Good					0.98	1.68							Secure	Secure	Not Secure
February	25	8:30AM	KC	18/17	22/23	Good	Good	138	60		0.98	1.68							Secure	Secure	Not Secure
February	26	2:34 PM	KA	22.6/22.4	22.3/22.4	Good	Good	139	60		1.01	1.68							Secure	Secure	Not Secure
February	27	1:24 PM	KA			Good					0.95	1.69							Secure	Secure	Not Secure
February	28	2:16 PM	KA			Good					1.3	1.68							Secure	Secure	Not Secure

Main Lift Station 2025																					
Inspection				Total Volume m3		Low Lift Pump #1		Low Lift Pump #2		Low Lift Pump #3		Odor Control Fan		Drum Screen #1		Drum Screen #2		Auger Press #1		Auger Press #2	
Month	Date	Time	Op	Total	Demand	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time
March	3	13:04		762705	1847.35	3973	1.99	3912	1.88	3866	1.92	40484	24	14115.1	21.1	14134.2	21.1	750.2	1.1	754.3	1.1
March	4	2:34 PM	KA	764567	1803.03	3875	1.81	3914	1.96	3868	1.89	40509.5	24	14122.4	7.3	14141.5	7.3	750.6	0.4	754.7	0.4
March	6	9:00		767499	1718.19	3978	1.82	3917	1.77	3871	1.77	40552	24	14133.7	11.3	14152.8	11.3	751.2	0.6	755.3	0.6
March	7	9:14 AM	KA	769271	1710.44	3980	1.81	3919	1.81	3873	1.74	40576.4	24	14140.7	7	14159.7	6.9	751.5	0.3	755.7	0.4
March	10	1:14 PM	KA	774876	1763.55	3986	1.83	3925	1.82	3879	1.77	40652.2	24	14162.3	21.6	14181.4	21.7	752.7	1.2	756.8	1.1
March	11	7:45 AM		776063	1813.84	3987	1.9	3926	1.92	3880	1.91	40669.7	24	14167	4.7	14186.1	4.7	752.9	0.2	757.1	0.3
March	12	2:23 PM	KA	778419	1721.95	3990	1.87	3928	1.79	3882	1.73	40700.3	24	14176.1	9.1	14195.2	9.1	753.4	0.5	757.6	0.5
March	13	2:16 PM	KA	780452	1737.57	3992	1.81	3981	1.82	3884	1.8	40724.2	24	14183.9	7.8	14203	7.8	753.8	0.4	758	0.4
March	14	1:50 PM	KA	782275	2040.84	3994	2.2	3932	2.15	3886	2.12	40747.7	24	14191	7.1	14210.1	7.1	754.2	0.4	758.4	0.4
March	17	11:06AM		787776	1894.2	4000	2.04	3938	2.05	3892	1.98	40817	24	14211.8	20.8	14230.9	20.8	755.3	1.1	759.5	1.1
March	18	8:03AM		789281	1907.72	4001	1.98	3940	1.97	3893	1.97	40837.9	24	14217.6	5.8	14236.7	5.8	755.6	0.3	759.8	0.3
March	19	11:23AM	BJ	791585	1890.55	4004	2	3942	1.98	3896	1.84	40865.3	24	14226.3	8.7	14245.4	8.7	756.1	0.5	760.2	0.4
March	20	10:36AM	BJ	793422	1916.38	4006	2.02	3944	1.94	3898	1.94	40888.6	24	14233.4	8.1	14252.4	7	756.4	0.3	760.6	0.4
March	21	1:34PM	MM	795639	1919.16	4008	2.05	3946	2	3900	2	40615.9	24	14241.7	8.3	14260.8	8.4	756.9	0.5	761.1	0.5
March	24	11.07AM	BJ	801255	1969.67	4014	2	3952	2.02	3906	1.98	40985	24	14263.1	21.4	14282.2	21.4	758	1.1	762.2	1.1
March	25	1:30PM	SF	803573	1989.21	4016	2.19	3955	2.09	3908	2.04	41011.4	24	14271.9	8.8	14291	8.8	758.5	0.5	762.7	0.5
March	26	1:04 PM	KA	805487	2016.98	4018	2.12	3957	2.13	3910	2.09	41035	24	14279.2	7.3	14298.3	7.3	758.9	0.4	763.1	0.4
March	27	1:57 PM	KA	807609	1945.87	4021	2.08	3959	2.04	3912	1.98	41060.1	24	14287.2	8	14306.3	8	759.3	0.4	763.5	0.4
March	28	1:57 PM	KA	809872	2100.54	4023	2.19	3961	2.15	3915	211	41084.1	24	14295.7	8.5	14314.8	8.5	759.7	0.4	763.9	0.4
March	31	11:24AM	KA	815654	2002.75	4029	2.09	3967	2.08	3920	2.05	41153.3	24	14317.4	21.7	14336.5	21.7	760.9	1.2	765.1	1.2

Main Lift Station 2025																							
Inspection				High Lift Pump #1		High Lift Pump #2		High Lift Pump #3		Bypass Pump #1		Bypass Pump #2		Room Temperatures					H2S/LEL Levels				
Month	Date	Time	Op	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time	Odor Control	Screen	High Lift	Electrical	Mechanical	Odor Control	Screen	High Lift	Electrical	Mechanical
March	3	13:04		3901	1.77	3825	1.69	3024	1.79	12	0	10	0	27.6	23.9	20.4	24.4	19.3		0/0.1	0/0		
March	4	2:34 PM	KA	3903	1.86	3827	1.79	3025	1.48	12	0	10	0	25.3	21.2	18.4	25	20.5		0/0.1	0/0		
March	6	9:00		3906	1.74	3829	1.62	3028	1.51	12	0	10	0	25	21	19	25	19		0/0.1	0/0		
March	7	9:14 AM	KA	3908	1.7	3831	1.62	3030	1.54	12	0	10	0	24.7	20.1	15.3	24.9	18.6		0/0.1	0/0		
March	10	1:14 PM	KA	3913	1.7	3837	1.7	3035	1.61	12	0	10	0	26.5	23.1	17.5	25.7	19.4		0/0.1	0/0		
March	11	7:45 AM		3914	1.68	3838	1.72	3036	1.74	12	0	10	0	24.3	16.4	14.9	24.6	20.5		0/0.1	0/0		
March	12	2:23 PM	KA	3917	1.8	3840	1.57	3038	1.5	12	0	10	0	24	21	15.5	24	19.3		0/0.1	0/0		
March	13	2:16 PM	KA	3918	1.69	3842	1.71	3040	1.53	12	0	10	0	25.4	22.2	16.1	24.8	21		0/0.1	0/0		
March	14	1:50 PM	KA	3920	1.88	3844	1.88	3041	2.01	12	0	10	0	25.5	21.8	15.8	24.8	18.5		0.6/0.1	0/0		
March	17	11:06AM		3925	1.81	3849	1.85	3047	1.74	12	0	10	0	24.1	20.8	15.2	24.7	18.5		0/0.1	0/0		
March	18	8:03AM		3927	1.9	3850	1.69	3048	1.82	12	0	10	0	23.7	18.1	14.3	24.1	19.1		0/0.1	0/0		
March	19	11:23AM	BJ	3929	1.84	3852	1.88	3050	1.64	12	0	10	0	24.2	21.1	15.1	24.6	19.2		0.0/0.1	0/0		
March	20	10:36AM	BJ	3931	1.93	3854	1.67	3052	1.84	12	0	10	0	24	21.3	15.5	24.8	20.3		0.0/0.1	0/0		
March	21	1:34PM	MM	3933	1.79	3933	1.88	3054	1.78	12	0	10	0	27	23	17	25	20		0.0/0.1	0/0		
March	24	11.07AM	BJ	3939	1.86	3862	1.91	3059	1.79	12	0	10	0	25	23	18	25	20		0.0/0.1	0/0		
March	25	1:30PM	SF	3941	1.74	3864	2.44	3061	1.48	12	0	10	0	26.1	23.8	19.7	24.9	20.7		0/0.1	0/0		
March	26	1:04 PM	KA	3943	2	3866	1.89	3062	1.82	12	0	10	0	26.2	23	20.3	25.5	20.7		0/0.1	0/0		
March	27	1:57 PM	KA	3945	1.78	3868	1.9	3064	1.85	12	0	10	0	25.8	22.7	20.1	25.7	20.8		0.6/0.1	0/0		
March	28	1:57 PM	KA	3947	2.09	3870	1.97	3066	1.91	12	0	10	0	25.1	21.9	19.9	25	21.4		0/0.1	0/0		
March	31	11:24AM	KA	3953	1.99	3876	1.86	3071	1.82	12	0	10	0	24.6	20	18.8	25.6	20.3		0/0.1	0/0		

Main Lift Station 2025

Inspection				Low Lift		High Lift		Low Lift Pump #1		Low Lift Pump #2		Low Lift Pump #3		Odor Control Room						Drum Screen #1 Bearings			
Month	Date	Time	Op	Well %	Well %	PSI	LPS	Amps	Hz	Amps	Hz	Amps	Hz	Amps	Hz	Fan Diff. PSI	Media Diff. P	Bearings Temp	Grease	Temp	Grease	Amps	Hz
March	3	13:04		0.97	1.79	113	101					20	55			0.5	1.6	30/28	Good	15/15	Good		
March	4	2:34 PM	KA	1.04	1.82	111	101	19	55	0	0	0	0			0.5	1.6	28.4/25.5	Good	14/13	Good		
March	6	9:00		0.76	1.28	112	102	20	55							0.5	1.6	25/29	Good	16/15	Good		
March	7	9:14 AM	KA	1.33	1.37	112	106	20	55	0	0	0	0			0.6	1.8	25.3/21.7	Good	14/12.1	Good		
March	10	1:14 PM	KA	1.76	0.97	113	105	0	0	0	0	20	55			0.6	1.8	27.8/24.6	Good	15/14	Good		
March	11	7:45 AM		1.21	1.01	113	103	19	55	0	0	0	0			0.6	1.8	26.8/23.7	Good	15/13	Good		
March	12	2:23 PM	KA	1.33	1.67	111	102	19	55	0	0	0	0			0.6	1.8	24.8/21.9	Good	15/14	Good		
March	13	2:16 PM	KA	1.66	1.1	110	99	19	55	0	0	0	0			0.6	1.8	26.6/22.6	Good	14/13	Good		
March	14	1:50 PM	KA	1.65	0.98	111	101	0	0	0	0	20	55			0.6	1.8	26.2/23.1	Good	11/10.4	Good		
March	17	11:06AM		1.43	1.45	110	102	19	55	0	0	0	0			0.6	1.8	26.2/22.8	Good	16/14.8	Good		
March	18	8:03AM		1.07	1.67	110	102	0	0	20	55	20	55			0.6	1.8	24.1/19.9	Good	13/11.4	Good		
March	19	11:23AM	BJ	1.66	1.74	111	101	19	55							0.6	1.8	26.6/23.2	Good	15.9/14.6	Good		
March	20	10:36AM	BJ	1.05	0.85	111	100	19	55							0.6	1.8	25.7/23.4	Good	15.7/14.1	Good		
March	21	1:34PM	MM	0.98	1.65	111	0	0	0	0	0	0	0			0.6	1.8	31/28	Good	18/18	Good		
March	24	11:07AM	BJ	1.06	0.91			19	55			20	55			0.6	1.8	26.8/23.6	Good	18.5/16.4	Good		
March	25	1:30PM	SF	1.56	1.78	110	100	0	0	20	55	20	55			0.6	1.8	28.6/25.2	Good	17.9/16.2	Good		
March	26	1:04 PM	KA	1.02	1.65	112	105	0	0	0	0	20	55			0.6	1.7	29.4/26.4	Good	18/17	Good		
March	27	1:57 PM	KA	1.49	1.37	112	105	0	0	0	0	19	55			0.6	1.7	27.5/25.2	Good	17/15	Good		
March	28	1:57 PM	KA	0.96	0.92	97	0	0	0	0	0	20	55			0.6	1.7	27.7/25.2	Good	16/15	Good		
March	31	11:24AM	KA	1.36	1.51	110	103	0	0	0	0	20	55			0.6	1.7	28.5/25.6	Good	17/15	Good		

Main Lift Station 2025

Inspection				Drum Screen #2 Bearings				Flush	Clean	Verticle Turbine Pump #1						Verticle Turbine Pump #2					
Month	Date	Time	Op	Temp	Grease	Amps	Hz	Trough	Screens	Bearing C (1)	Bearing C	Packing	Vibration	Amps	Hz	Bearing C (1)	Bearing C	Packing	Vibration	Amps	Hz
March	3	13:04		16/15	Good			Yes	Yes			Good		0	0	30.3/29.7	28.3/27.7	Good	Good	144	59.97
March	4	2:34 PM	KA	16/13	Good			Yes	Yes			Good		0	0	28.8/27.8	27.4/27	Good	Good	139	59
March	6	9:00		16/14	Good			Yes	Yes			Good				28/30	27/28	Good	Good	138	60
March	7	9:14 AM	KA	15/11.8	Good			Yes	Yes			Good		0	0			Good		0	0
March	10	1:14 PM	KA	17/13	Good			Yes	Yes			Good		0	0			Good		0	0
March	11	7:45 AM		15.12	Good			Yes	Yes			Good				20.7/20.8	20.2/19.4	Good	Good	139.2	59.97
March	12	2:23 PM	KA	15/15	Good			No	Yes			Good		0	0	22.5/22.2	21.6/21.6	Good	Good	140	59
March	13	2:16 PM	KA	15/14	Good			Yes	Yes	21.6/22.2	23/22.7	Good	Good	140	60			Good		0	0
March	14	1:50 PM	KA	13/10.1	Good			Yes	Yes			Good		0	0	21.2/21.2	22.8/22.6	Good	Good	141	59
March	17	11:06AM		17.2/14.1	Good			Yes	Yes	22.2/21.8	21.7/21.8	Good	Good	137	60			Good		0	0
March	18	8:03AM		13/9.2	Good			Yes	Yes	19.3/19.3	19.7/19.3	Good	Good	140	60			Good		0	0
March	19	11:23AM	BJ	15.4/13.4	Good			Yes	Yes	20.6/20	22/22.3	Good	Good	138	60			Good			
March	20	10:36AM	BJ	14.3/10	Good			Yes	Yes			Good				20.4/20.5	21.6/22.8	Good	Good	140	59
March	21	1:34PM	MM	20/17	Good			Yes	Yes			Good				26/26	25/21	Good	Good	144	58
March	24	11:07AM	BJ	19/15.8	Good			Yes	Yes			Adjusted						Good			
March	25	1:30PM	SF	17.5/15.8	Good			Yes	Yes	28.8/27.8	27.8/29.2	Good	Good	141	60			Good			
March	26	1:04 PM	KA	18/17	Good			Yes	Yes			Good		0	0			Good		0	0
March	27	1:57 PM	KA	18/17	Good			Yes	Yes			Good		0	0			Good		0	0
March	28	1:57 PM	KA	17/15	Good			Yes	Yes			Good		0	0			Good		0	0
March	31	11:24AM	KA	17/15	Good			Yes	Yes			Good		0	0	28.6/27.3	27/27.1	Good	Good	142	60

Main Lift Station 2025

Inspection				Verticle Turbine Pump #3						Mechanical Room		High Lift Bypass			Bypass Pump #1		Bypass Pump #2		Security		
Month	Date	Time	Op	Up Bearing C (1+2)	Low Bearing C (3+4)	Packing	Vibration	Amps	Hz	NTU	Residual	Well %	PSI	GPM	Amps	Hz	Amps	Hz	Doors	Gates	Hatches
March	3	13:04				Good					0.9	1.69							Secure	Secure	Not Secure
March	4	2:34 PM	KA			Good		0	0		1.25	1.69							Secure	Secure	Not Secure
March	6	9:00				Good						1.69							Secure	Secure	Not Secure
March	7	9:14 AM	KA	22.9/22.3	21/20.3	Good	Good	138	60		0.92	1.69							Secure	Secure	Not Secure
March	10	1:14 PM	KA	25.2/25.6	24.1/23.5	Good	Good	139	60		1.34	1.69							Secure	Secure	Not Secure
March	11	7:45 AM				Good					1.33	1.69							Secure	Secure	Not Secure
March	12	2:23 PM	KA			Good		0	0			1.69							Secure	Secure	Not Secure
March	13	2:16 PM	KA			Good		0	0		0.62	1.71							Secure	Secure	Not Secure
March	14	1:50 PM	KA			Good		0	0		0.75	1.7							Secure	Secure	Not Secure
March	17	11:06AM				Good		0	0		1.03	1.71							Secure	Secure	Not Secure
March	18	8:03AM				Good		0	0		0.26	1.7							Secure	Secure	Not Secure
March	19	11:23AM	BJ			Good					1.09	1.71							Secure	Secure	Secure
March	20	10:36AM	BJ	17/18.1	20.2/19.5	Good	Good	138	60		0.98	1.71							Secure	Secure	Secure
March	21	1:34PM	MM			Good					0.78	1.71							Secure	Secure	Secure
March	24	11:07AM	BJ	25.3/25		Good	Good	138	60		0.99	1.71							Secure	Secure	Secure
March	25	1:30PM	SF			Good					0.88	1.71							Secure	Secure	Secure
March	26	1:04 PM	KA	27.8/29	27.5/27.1	Good	Good	138	60		1.02	1.71							Secure	Secure	Secure
March	27	1:57 PM	KA	26.6/27.5	26.4/26	Good	Good	138	60		0.39	1.71							Secure	Secure	Secure
March	28	1:57 PM	KA			Good		0	0		0.98	1.72							Secure	Secure	Secure
March	31	11:24AM	KA			Good		0	0		0.27	1.72							Secure	Secure	Secure

Main Lift Station 2025																					
Inspection				Total Volume m3		Low Lift Pump #1		Low Lift Pump #2		Low Lift Pump #3		Odor Control Fan		Drum Screen #1		Drum Screen #2		Auger Press #1		Auger Press #2	
Month	Date	Time	Op	Total	Demand	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time
April	1	9:28	BJ	817581	2122.6	4031	2.28	3969	2.19	3922	2.15	41175.7	24	14324.6	7.2	14343.7	7.2	761.3	0.4	765.5	0.4
April	3	2:51 PM	KA	821875	1910.74	4036	2.01	3974	1.93	3927	1.95	41228.8	24	14341.1	16.5	14360.2	16.5	762.2	0.9	766.4	0.9
April	4	9:23AM	BJ	823282	1879.65	4037	1.98	3975	2	3928	1.88	41247.3	24	14346.4	5.4	14365.5	5.3	762.5	0.3	766.6	0.2
April	7	10:53AM	KC	829413	1913.2	4044	2.04	3981	1.98	3935	2.01	41320.8	24	14369.7	23.3	14388.8	23.3	763.7	1.2	767.9	1.3
April	8	7:38AM	BJ	830917	2052.8	4045	2.17	3983	2.15	3936	2.12	41341.5	24	14375.7	6	14394.8	6	764	0.3	768.2	1.3
April	9	1:10PM	BJ	833751	1971.9	4048	2.07	3986	2.06	3939	2.02	41371.4	24	14386	10.3	14405.2	10.4	764.6	0.6	768.8	0.6
April	10	1:59 PM	KA	835670	2120	4050	2.21	3988	2.14	3941	2.17	41395.9	24	14393.5	7.5	14412.6	7.4	765	0.4	769.2	0.6
April	11	11:21AM	KA	837460	1873.6	4052	2.04	3990	2.04	3943	1.91	41417.4	24	14400.2	6.7	14419.3	6.7	765.3	0.3	769.5	0.3
April	14	2:11 PM	KA	844107	2108.2	4059	2.3	3997	2.19	3950	2.12	41492.1	24	14425.3	25.1	14444.5	25.2	766.7	1.4	770.9	1.4
April	15	2:07 PM	KA	846081	1998.3	4062	2.09	3999	2.09	3952	2	41516.3	24	14433.1	7.8	14452.2	7.7	767.1	0.4	771.3	0.4
April	16	9:38 AM	KA	847578	1958	4063	2.15	4001	2.07	3953	2.05	41535.6	24	14438.7	5.6	14457.9	5.7	767.4	0.3	771.6	0.3
April	17	1:58 PM	KA	850113	2034.7	4066	2.2	4003	2.21	3956	2.2	41564.3	24	14448.2	9.5	14467.3	9.4	767.9	0.5	772.1	0.5
April	21	1:53 PM	KA	859129	2351.3	4076	2.54	4013	2.49	3965	2.44	41659.8	24	14482.1	33.9	14501.2	33.9	769.7	1.8	773.9	1.8
April	22	8:23AM	SF	860565	2237.37	4077	2.35	4014	2.31	3967	2.35	41678.3	24	14487.5	5.4	14506.7	5.5	770	0.3	774.2	0.3
April	23	1:35 PM	KA	863286	2034.2	4080	2.26	4017	2.2	3970	2.12	41708.1	24	14497.9	10.4	14517	10.3	770.5	0.5	774.7	0.5
April	24	11:10AM	SF	865050	2062.87	4082	2.19	4019	2.14	3971	2.18	41729.1	24	14504.6	6.7	14523.8	6.8	770.9	0.4	775.1	0.4
April	25	10:29AM	SF	867389	2267	4084	2.42	4021	2.39	3974	2.28	41752.4	24	14513.4	8.8	14532.6	8.8	771.3	0.4	775.6	0.5
April	28	10:53AM	MM	873851	2062	4091	2.22	4028	2.22	3981	2.18	41824.8	24	14538	24.6	14557.1	24.5	772.6	1.3	776.9	1.3
April	29	10:55AM	SF	875916	1962.89	4094	2.15	4030	2.17	3983	2.09	41848.9	24	14545.9	7.9	14565	7.9	773.1	0.5	777.3	0.4
April	30	10:46AM	MM	877979	2182.86	4096	2.36	4032	2.23	3985	2.28	41872.7	24	14553.8	7.9	14572.9	7.9	773.5	0.4	777.7	0.4

Main Lift Station 2025																							
Inspection				High Lift Pump #1		High Lift Pump #2		High Lift Pump #3		Bypass Pump #1		Bypass Pump #2		Room Temperatures					H2S/LEL Levels				
Month	Date	Time	Op	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time	Odor Control	Screen	High Lift	Electrical	Mechanical	Odor Control	Screen	High Lift	Electrical	Mechanical
April	1	9:28	BJ	3955	2.06	3877	1.92	3073	2.06	12	0	10	0	24.9	18.9	17.7	24.8	20.4		0.0/0.1	0/0		
April	3	2:51 PM	KA	3959	1.94	3882	1.86	3077	1.62	12	0	10	0	26.8	22.1	19.9	24.5	20.4		0/0.1	0/0		
April	4	9:23AM	BJ	3961	1.81	3883	1.79	3078	1.73	12	0	10	0	25.1	18.9	17.9	25.2	20.1		0/0.1	0/0		
April	7	10:53AM	KC	3967	1.78	3889	1.92	3084	1.72	12	0	10	0	24.7	20.8	19.7	24.8	20.9		9.7/0.1	0/0		
April	8	7:38AM	BJ	3968	2.02	3890	2	3085	1.79	12	0	10	0	23.7	16.7	18.5	24.9	21.1		2/0.01	0/0		
April	9	1:10PM	BJ	3971	1.92	3893	1.83	3088	1.82	12	0	10	0	26.1	21.1	19.7	25.1	20.5		0.0/0.1	0/0		
April	10	1:59 PM	KA	3973	2.34	3895	1.91	3089	1.79	12	0	10	0	25.7	21.8	20.1	24.9	21.3		0/0.1	0/0		
April	11	11:21AM	KA	3975	1.78	3897	1.91	3091	1.6	12	0	10	0	25.9	21.9	20.7	25.4	21		0/0.1	0/0		
April	14	2:11 PM	KA	3981	1.98	3903	2.16	3097	1.83	12	0	10	0	27.1	22.6	21.2	25.2	20.8		2.5/0.1	0/0		
April	15	2:07 PM	KA	3983	2.07	3905	1.94	3099	1.71	12	0	10	0	28.7	24	22.4	25.3	21.3		5.7/0.1	0/0		
April	16	9:38 AM	KA	3985	1.94	3906	1.9	3100	1.7	12	0	10	0	25.9	20.4	20.5	21.7	21.4		7.1/0.1	0/0		
April	17	1:58 PM	KA	3987	2.03	3909	1.91	3102	1.87	12	0	10	0	23.3	19	18.5	21.7	20.2		6.2/0.1	0/0		
April	21	1:53 PM	KA	3996	2.43	3917	2.1	3111	2.15	12	0	10	0	20.9	16.8	16.9	21.6	20.4		10.3/0.1	0/0		
April	22	8:23AM	SF	3997	2.21	3918	2.13	3112	2.06	12	0	10	0	18	12.3	13.8	21.4	19.6		9.8/0.1	0/0		
April	23	1:35 PM	KA	4000	1.85	3921	2.04	3114	1.87	12	0	10	0	21.6	17.4	16.9	21.9	20.5		11.1/0.1	0/0		
April	24	11:10AM	SF	4002	2.08	3923	1.99	3116	1.83	12	0	10	0	20.5	16.6	16.9	21.5	19.9		11.1/0.1	0/0		
April	25	10:29AM	SF	4004	2.41	3925	2.2	3118	1.9	12	0	10	0	21.6	17.1	17.7	21.2	20.3		9.2/0.1	0/0		
April	28	10:53AM	MM	4011	1.91	3931	2.18	3123	1.76	12	0	10	0	21	18	19	21	20		0/0.1	0/0		
April	29	10:55AM	SF	4013	1.92	3933	1.89	3125	1.78	12	0	10	0	23.5	19.4	19.7	21.9	21.3		7.9/0.1	0/0		
April	30	10:46AM	MM	4015	2.3	3935	1.97	3127	1.96	12	0	10	0	21	18	19	21	21		7.9/.1	0/0		

Main Lift Station 2025

Inspection				Low Lift		High Lift		Low Lift Pump #1		Low Lift Pump #2		Low Lift Pump #3		Odor Control Room						Drum Screen #1 Bearings			
Month	Date	Time	Op	Well %	Well %	PSI	LPS	Amps	Hz	Amps	Hz	Amps	Hz	Amps	Hz	Fan Diff. PSI	edia Diff. P	Bearings Temp	Grease	Temp	Grease	Amps	Hz
April	1	9:28	BJ	1.43	0.7	91	0	19	55	19	55					0.6	1.6	27.1/23.8	Good	14.3/13.4	Good		
April	3	2:51 PM	KA	1.3	131	112	106	0	0	20	55	0	0			0.6	1.7	30.2/26.9	Good	17/16	Good		
April	4	9:23AM	BJ	1.4	0.94	97	0	20	55	0	0	0	0			0.6	1.7	28.4/25	Good	16.3/14.9	Good		
April	7	10:53AM	KC	1.35	1.09	111	103	0	0	20	55	0	0			0.6	1.7	28.4/25.8	Good	18/16	Good		
April	8	7:38AM	BJ	1.58	0.99	112	104	19	55	20	55	0	0			0.6	1.7	26/22.7	Good	12.8/13.2	Good		
April	9	1.10PM	BJ	1.1	1.16	97	0	19	55	20	55					0.6	1.7	28.3/25.5	Good	17/16.2	Good		
April	10	1:59 PM	KA	1.21	1.29	94	0	0	0	20	55	0	0			0.6	1.7	28.6/26.1	Good	17/16	Good		
April	11	11:21AM	KA	1.26	1	110	100	0	0	0	0	20	55			0.6	1.7	27.6/24.6	Good	17/16	Good		
April	14	2:11 PM	KA	1.69	1.31	110	103	0	0	0	0	20	55			0.6	1.7	29.8/26.2	Good	18/16	Good		
April	15	2:07 PM	KA	1.4	0.64	110	103	19	55	0	0	0	0			0.6	1.7	32.1/29	Good	20/18	Good		
April	16	9:38 AM	KA	1.63	1.37	112	100	19	55	0	0	0	0			0.6	1.7	26.2/23.9	Good	15/14	Good		
April	17	1:58 PM	KA	1.04	1.42	112	104	0	0	0	0	19	55			0.6	1.7	26.6/24.8	Good	19/17	Good		
April	21	1:53 PM	KA	1.39	1.02	109	98	19	55	0	0	0	0			0.6	1.7	25.3/22.7	Added Shot	16/15	Good		
April	22	8:23AM	SF	0.75	0.91	110	99	19	55	0	0	0	0			0.6	1.7	20.5/18.4	Good	12,12	Good		
April	23	1:35 PM	KA	0.76	1.81	111	106	19	55	0	0	0	0			0.6	1.7	23.9/21.9	Good	15/14	Good		
April	24	11:10AM	SF	0.92	1.24	110	101	19	55	20	55	0	0			0.6	1.7	22.5/20.1	Good	16/15	Good		
April	25	10:29AM	SF	1.77	0.58	111	99	19	55	0	0	19	55			0.6	1.7	25.2/23.2	Good	16/15	Good		
April	28	10:53AM	MM	1.26	1.65	97	0	0	0	0	0	19	55			0.6	1.7	26/29	Good	16/15	Good		
April	29	10:55AM	SF	1.33	1.46	110	98	19	55	0	0	0	0			0.6	1.7	24.8/27.4	Good	17/15	Good		
April	30	10:46AM	MM	1.75	0.62	98	0	19	55	0	0	0	0			0.6	1.8	26/25	Good	18/18	Added Shot		

Main Lift Station 2025

Inspection				Drum Screen #2 Bearings				Flush	Clean	Verticle Turbine Pump #1						Verticle Turbine Pump #2					
Month	Date	Time	Op	Temp	Grease	Amps	Hz	Trough	Screens	Bearing C (1)	Bearing C	Packing	Vibration	Amps	Hz	Bearing C (1)	Bearing C	Packing	Vibration	Amps	Hz
April	1	9:28	BJ	14.9/13.6	Good			Yes	Yes			Good						Good			
April	3	2:51 PM	KA	18/15	Good			Yes	Yes			Good						Good			
April	4	9:23AM	BJ	16.3/15	Good			Yes	Yes			Good						Good			
April	7	10:53AM	KC	18/16	Good			Yes	Yes			Good		0	0	23.8/23.6	24.6/23.8	Good	Good	140	59
April	8	7:38AM	BJ	13.6/12.5	Good			Yes	Yes			Good						Good		0	0
April	9	1.10PM	BJ	17.115.9	Good			Yes	Yes			Good						Good			
April	10	1:59 PM	KA	18/15	Good			Yes	Yes			Good		0	0			Good		0	0
April	11	11:21AM	KA	18/15	Good			Yes	Yes	Good		Good		0	0	27.2/26.8	28.2/28.7	Good	Good	143	59
April	14	2:11 PM	KA	18/16	Good			Yes	Yes			Good		0	0	30.8/29.9	28.8/29.9	Good	Good	141	59
April	15	2:07 PM	KA	20/17	Good			Yes	Yes			Good		0	0	31.1/30.1	29/29	Good	Good	136	59
April	16	9:38 AM	KA	15/14	Good			Yes	Yes			Good		0	0	25.8/25.9	26.8/26.3	Good	Good	142	59
April	17	1:58 PM	KA	19/16	Good			Yes	Yes			Good		0	0	23.7/22.9	23.9/23.3	Good	Good	141	59
April	21	1:53 PM	KA	17/15	Good			Yes	Yes	21.9/21.8	25/23.8	Good	Good	146	60			Good		0	0
April	22	8:23AM	SF	13,12	Good			Yes	Yes	15.7/15.5	17.9/18	Good	Good	145	60			Good		0	0
April	23	1:35 PM	KA	15/14	Good			Yes	Yes			Good		0	0			Good		0	0
April	24	11:10AM	SF	16/14	Good			Yes	Yes	Good		Good		0	0	21.3/21	22.1/21.6	Good	Good	141	59
April	25	10:29AM	SF	16/15	Good			Yes	Yes			Good		0	0	22.3/21.3	22.9/22.9	Good	Good	145	59
April	28	10:53AM	MM	15/13	Good			Yes	Yes			Good						Good			
April	29	10:55AM	SF	17/14	Good			Yes	Yes			Good		0	0	24.8/23.6	25.5/25.9	Good	Good	145	59
April	30	10:46AM	MM	18/16	Added Shot			Yes	Yes			Good		0	0			Good		0	0

Main Lift Station 2025

Inspection				Verticle Turbine Pump #3						Mechanical Room		High Lift Bypass			Bypass Pump #1		Bypass Pump #2		Security		
Month	Date	Time	Op	Up Bearing C (1+2)	Low Bearing C (3+4)	Packing	Vibration	Amps	Hz	NTU	Residual	Well %	PSI	GPM	Amps	Hz	Amps	Hz	Doors	Gates	Hatches
April	1	9:28	BJ	22.8/22.7	23.7/23	Good	Good	140	60		0.07	1.73							Secure	Secure	Secure
April	3	2:51 PM	KA	28.4/28.2	27.1/26.7	Good	Good	138	60		0.26	1.73							Secure	Secure	Secure
April	4	9:23AM	BJ			Good					0.4	1.73							Secure	Secure	Secure
April	7	10:53AM	KC	24.8/25.7	27.6/27.1	Good	Good	140	60		0.85	1.73							Secure	Secure	Secure
April	8	7:38AM	BJ	24.6/23.2	23.5/23.2	Good	Good	139	60		0.3	1.73							Secure	Secure	Secure
April	9	1.10PM	BJ	27.4/27.5	27.6/26.6	Good	Good	138	60		0.9	1.73							Secure	Secure	Secure
April	10	1:59 PM	KA	26.7/27.2	27.2/26.7	Good	Good	138	60		0.34	1.73							Secure	Secure	Secure
April	11	11:21AM	KA			Good		0	0		1.08	1.73							Secure	Secure	Secure
April	14	2:11 PM	KA			Good		0	0		0.99	1.73							Secure	Secure	Secure
April	15	2:07 PM	KA			Good		0	0		0.13	1.73							Secure	Secure	Secure
April	16	9:38 AM	KA			Good		0	0		0.24	1.73							Secure	Secure	Secure
April	17	1:58 PM	KA			Good		0	0		0.41	1.73							Secure	Secure	Secure
April	21	1:53 PM	KA			Good		0	0		0.67	1.73							Secure	Secure	Secure
April	22	8:23AM	SF			Good		0	0		0.7	1.74							Secure	Secure	Secure
April	23	1:35 PM	KA	20.7/20.5	21.8/21	Good	Good	138	60		0.91	1.73							Secure	Secure	Secure
April	24	11:10AM	SF			Good		0	0		0.81	1.73							Secure	Secure	Secure
April	25	10:29AM	SF			Good		0	0		0.88	1.74							Secure	Secure	Secure
April	28	10:53AM	MM	24/25	24/27	Good	Good	138	60		0.72	1.74							Secure	Secure	Secure
April	29	10:55AM	SF			Good		0	0		0.78	1.74							Secure	Secure	Secure
April	30	10:46AM	MM			Good		0	0		0.81	1.74							Secure	Secure	Secure

Main Lift Station 2025

Inspection				Total Volume m3		Low Lift Pump #1		Low Lift Pump #2		Low Lift Pump #3		Odor Control Fan		Drum Screen #1		Drum Screen #2		Auger Press #1		Auger Press #2	
Month	Date	Time	Op	Total	Demand	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time
May	2	12:10PM	KC	882771	2325.32	4101	2.52	4038	2.43	3990	2.43	41922.1	24	14572.1	18.3	14591.2	18.3	774.5	1	778.7	1
May	5	11:20AM	KC	889053	2120.1	4108	2.25	4044	2.3	3997	2.23	41993	24	14596.2	24.1	14615.3	24.1	775.7	1.2	780	1.3
May	6	7:44AM	MM	890655	2046.9	4109	2.23	4046	2.2	3998	2.14	42013.7	24	14602.3	6.1	14621.4	6.1	776.1	0.4	780.3	0.3
May	7	12:30PM	SF	893253	2090.99	4112	2.27	4049	2.21	4001	2.13	42042.4	24	14612.3	10	14631.4	10	776.6	0.5	780.8	0.5
May	8	10:50AM	KC	895128	2024.88	4114	2.19	4051	2.08	4003	2.16	42064.9	24	14619.5	7.2	14638.6	7.2	777	0.4	781.2	0.4
May	9	11:30AM	SF	897296	2032.43	4116	2.18	4053	2.17	4005	2.15	42089.5	24	14627.8	8.3	14646.9	8.3	777.4	0.4	781.7	0.5
May	12	1:00PM	SF	903831	2043.57	4123	2.32	4060	2.18	4012	2.18	42162.9	24	14653.2	25.4	14672.4	25.5	778.8	1.4	783	1.3
May	13	1:00PM	KC	905983	2187.26	4126	2.24	4062	2.31	4014	2.26	42186.9	24	14661.1	7.9	14680.5	8.1	779.2	0.4	783.5	0.5
May	14	11:20AM	SF	907905	2113.62	4127	2.28	4064	2.18	4016	2.18	42209.3	24	14668.6	7.5	14687.8	7.3	779.6	0.4	783.8	0.3
May	15	2:30PM	KC	910232	2035.27	4130	2.21	4067	2.17	4019	2.12	42236.4	24	14677.6	9	14696.7	8.9	780.1	0.5	784.3	0.5
May	16	11:10AM	BJ	912063	2040.49	4132	2.23	4068	2.07	4021	2.02	42257.2	24	14684.6	7	14703.8	7.1	780.4	0.3	784.7	0.4
May	19	12:22PM	BJ	920084	2640.15	4140	2.83	4077	2.7	4029	2.67	42330.6	24	14713.9	29.6	14733.1	29.3	782	1.6	786.3	1.6
May	20	7:37AM	MM	921684	2538.61	4142	2.71	4079	2.64	4031	2.53	42349.6	24	14720.2	6.3	14739.4	6.3	782.3	0.3	786.6	0.3
May	21	1:24PM	BJ	924849	2373.82	4145	2.53	4082	2.42	4034	2.44	42379.5	24	14731.8	11.6	14751.9	12.5	783	0.7	787.2	0.6
May	22	2:10PM	KC	926937	2168.67	4148	2.32	4084	2.26	4036	2.22	42404.1	24	14739.9	8.1	14759	7.1	783.4	0.4	787.6	0.4
May	23	8:12AM	MM	928423	2090.83	4149	2.24	4085	2.14	4037	2.18	42422.1	24	14745.4	5.5	14764.6	5.6	783.7	0.3	787.9	0.3
May	26	9:25AM	MM	935469	2287.63	4156	2.43	4093	2.44	4045	2.37	42495.6	24	14772	26.6	14791.2	26.6	785.1	1.4	789.3	1.4
May	27	8:00AM	MM	937637	2423.71	4159	2.57	4095	2.41	4047	2.51	42518	24	14780.1	8.1	14799.3	8.1	785.5	0.4	789.8	0.5
May	28	2:30PM	KC	940761	2260.22	4162	2.41	4098	2.44	4050	2.4	42548.6	24	14791.8	11.7	14811	11.7	786.1	0.6	790.4	0.6
May	30		SF																		

Main Lift Station 2025

[illegible]

Main Lift Station 2025																								
Inspection				Low Lift		High Lift			Low Lift Pump #1		Low Lift Pump #2		Low Lift Pump #3		Odor Control Room						Drum Screen #1 Bearings			
Month	Date	Time	Op	Well %	Well %	PSI	LPS	Amps	Hz	Amps	Hz	Amps	Hz	Amps	Hz	Fan Diff. PSI	Media Diff. P	Bearings Temp	Grease	Temp	Grease	Amps	Hz	
May	2	12:10PM	SF	1.38	1	109	98	20	55							0.6	1.8		Good		Good			
May	5	11:20AM	KC	0.81	1.17	109	99									0.6	1.8	25/26	Good	18/16	Good			
May	6	7:44AM	MM	1.64	0.57	107	0	20	55							0.6	1.8	21/20	Good	15/16	Good			
May	7	12:30PM	SF	1.79	1.39	111	105			20	55					0.6	1.8	27.5/25.5	Good	19/17	Good			
May	8	10:50AM	KC	1.23	0.8	111	104					20	55			0.6	1.8	26/28	Added Shot	21/18	Good			
May	9	11:30AM	SF	1.22	0.77	105	81			19	55					0.6	1.8	36/38	Good	18/15	Good			
May	12	1:00PM	SF	1.36	1.77	110	99			20	55					0.6	1.8	26/43	Good	17/16	Good			
May	13	1:00PM	KC	0.95	1.81	111	106			20	55					0.6	1.7	61/43	Good	19/17	Good			
May	14	11:20AM	SF	1.68	0.93	109	98	20	55							0.6	1.7	45/57	Good	23/20	Good			
May	15	2:30PM	KC	0.74	0.92	109	97									0.6	1.7	47/56	Good	20/18	Good			
May	16	11:10AM	BJ	1.09	1.57	113	101									0.6	1.6	32.3/40.2	Good	19/17.7	Good			
May	19	12.22PM	BJ	1.54	1.51	111	107	20	55	20	55					0.6	1.6	26.7/44.3	Good	19.2/16.5	Good			
May	20	7:37AM	MM	1.74	1.76	97	0	19	55	0	0	0	0			0.6	1.7	24/40	Good	15/16	Good			
May	21	1:24PM	BJ	0.9	1.25	111	103	20	55	20	55	20	55			0.6	1.8	26/41.1	Good	22/19.2	Good			
May	22	2:10PM	KC	1.48	1.69	111						20	55			0.6	1.7	45/40	Good	20/19	Good			
May	23	8:12AM	MM	1.76	0.91	98	0	0	0	0	0	19	55			0.6	1.9	44/32	Good	17/17	Good			
May	26	9:25AM	MM	0.82	1.41	97	0					20	55			0.6	1.8	42/28	Good	19/20	Good			
May	27	8:00AM	MM	1.01	1.28	97	0	0	0	19	55	0	0			0.6	1.8	34/28	Good	17/17	Good			
May	28	2:30PM	KC	1.14	0.86	110	100			19	55					0.6	1.8	34/38	Good	23/21	Good			
May	30		SF			110	104									0.6	1.8		Good	21/19	Good			

Main Lift Station 2025																					
Inspection				Drum Screen #2 Bearings				Flush	Clean	Verticle Turbine Pump #1						Verticle Turbine Pump #2					
Month	Date	Time	Op	Temp	Grease	Amps	Hz	Trough	Screens	Bearing C (1)	Bearing C	Packing	Vibration	Amps	Hz	Bearing C (1)	Bearing C	Packing	Vibration	Amps	Hz
May	2	12:10PM	SF		Good			Yes	Yes			Good	Good	145	60			Good			
May	5	11:20AM	KC	17/16	Good			Yes	Yes	28/27	28/28	Good	Good	138	60			Good			
May	6	7:44AM	MM	16/14	Good			Yes	Yes			Good						Good			
May	7	12:30PM	SF	19/16	Good			Yes	Yes			Good						Good			
May	8	10:50AM	KC	18/18	Good			Yes	Yes			Good						Good			
May	9	11:30AM	SF	19/17	Good			Yes	Yes	24.4/24.6	32/31.9	Good	Good	134	60			Good			
May	12	1:00PM	SF	1816	Good			Yes	Yes	24/25	26/26	Good	Good	142.5	60			Good			
May	13	1:00PM	KC	19/16	Good			Yes	Yes			Good						Good			
May	14	11:20AM	SF	23/21	Good			Yes	Yes	26/25	28/28	Good	Good	139	60			Good			
May	15	2:30PM	KC	20/18	Good			Yes	Yes	28/28	29/28	Good	Good	141	60			Good			
May	16	11:10AM	BJ	20.5/18	Good			Yes	Yes							26.1/27.5	31.1/32	Good	Good	143	59
May	19	12:22PM	BJ	17.2/19.8	Good			Yes	Yes	23.8/24.2	33/32.3	Good	Good	142	60			Good			
May	20	7:37AM	MM	16/17	Good			Yes	Yes			Good				21/23	24/24	Good	Good		
May	21	1:24PM	BJ	22.8/19.2	Good			Yes	Yes			Good				26.4/25.9	28.6/28.3	Good	Good	139	59
May	22	2:10PM	KC	20/18	Good			Yes	Yes			Good				25/28	28/28	Good	Good	129	59
May	23	8:12AM	MM	17/18	Good			Yes	Yes			Good						Good			
May	26	9:25AM	MM	17/17	Good			Yes	Yes			Good				30/30	27/28	Good	Good	130	59
May	27	8:00AM	MM	18/19	Good			Yes	Yes			Good						Good			
May	28	2:30PM	KC	23/20	Good			Yes	Yes			Good				28/27	26/28	Good	Good	142	60
May	30		SF	21/19	Good			Yes	Yes			Good				32/33	34/33	Good	Good	142	59

Main Lift Station 2025																					
Inspection				Verticle Turbine Pump #3						Mechanical Room		High Lift Bypass			Bypass Pump #1		Bypass Pump #2		Security		
Month	Date	Time	Op	Up Bearing C (1+2)	Low Bearing C (3+4)	Packing	Vibration	Amps	Hz	NTU	Residual	Well %	PSI	GPM	Amps	Hz	Amps	Hz	Doors	Gates	Hatches
May	2	12:10PM	SF			Good					0.24	1.74							Secure	Secure	Secure
May	5	11:20AM	KC			Good					0.73	1.74							Secure	Secure	Secure
May	6	7:44AM	MM			Good					0.26	1.75							Secure	Secure	Secure
May	7	12:30PM	SF	24/24	24/25	Good	Good	138	60		0.09	1.74							Secure	Secure	Secure
May	8	10:50AM	KC	25/24	25/25	Good	Good	140	60		0.09	1.74							Secure	Secure	Secure
May	9	11:30AM	SF			Good					0.92	1.74							Secure	Secure	Secure
May	12	1:00PM	SF			Good					0.78	1.75							Secure	Secure	Secure
May	13	1:00PM	KC	25/24	28/27	Good	Good	138	60		0.91	1.75							Secure	Secure	Secure
May	14	11:20AM	SF			Good					0.48	1.75							Secure	Secure	Secure
May	15	2:30PM	KC			Good					1.05	1.75							Secure	Secure	Secure
May	16	11:10AM	BJ			Good					0.98	1.75							Secure	Secure	Secure
May	19	12.22PM	BJ			Good					0.82	1.75							Secure	Secure	Secure
May	20	7:37AM	MM			Good					1.09	1.75							Secure	Secure	Secure
May	21	1:24PM	BJ			Good					0.72	1.75							Secure	Secure	Secure
May	22	2:10PM	KC			Good					1.1	1.75							Secure	Secure	Secure
May	23	8:12AM	MM			Good					0.86	1.76							Secure	Secure	Secure
May	26	9:25AM	MM			Good					1.13	1.72							Secure	Secure	Secure
May	27	8:00AM	MM			Good					1	1.75							Secure	Secure	Secure
May	28	2:30PM	KC			Good					0.47	1.76							Secure	Secure	Secure
May	30		SF			Good					0.62	1.76							Secure	Secure	Secure

Main Lift Station 2025																					
Inspection				Total Volume m3		Low Lift Pump #1		Low Lift Pump #2		Low Lift Pump #3		Odor Control Fan		Drum Screen #1		Drum Screen #2		Auger Press #1		Auger Press #2	
Month	Date	Time	Op	Total	Demand	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time
June	2	7:21AM	BJ	951895	2362.35	4173	2.51	4109	2.47	4062	2.39	42661.5	24	14833.4	41.6	14852.6	41.6	788.5	2.4	792.6	2.2
June	3	11:30AM	KC	954643	2251.05	4176	2.38	4112	2.31	4065	2.37	42689.4	24	14843.7	10.3	14862.9	10.3	788.9	0.4	793.2	0.6
June	4	1:30PM	KC	957241	2299.75	4179	2.41	4115	2.41	4067	2.31	42715.4	24	14853.4	9.7	14872.6	9.7	789.4	0.5	793.7	0.5
June	5	8:00AM	SF	958901	2354.54	4181	2.57	4117	2.4	4069	2.52	42733.9	24	14859.7	6.3	14878.9	6.3	789.7	0.3	794	0.3
June	6	10:40AM	SF	961703	2402.32	4184	2.57	4119	2.45	4072	2.42	42760.6	24	14870.1	10.4	14889.3	10.4	790.3	0.6	794.6	0.6
June	10	6:45AM	KC	971430	2758.65	4194	2.89	4129	2.77	4082	2.77	42852.7	24	14906.2	36.1	14925.4	36.1	792.2	1.9	796.5	1.9
June	11	8:35Am	SF	973964	2399.75	4197	2.67	4132	2.49	4084	2.44	42878.6	24	14915.7	9.5	14934.9	9.5	792.7	0.5	797	0.5
June	12	1:50PM	SF	977202	2413.57	4200	2.61	4135	2.51	4088	2.51	42907.8	24	14927.7	12	14946.9	12	793.3	0.6	797.6	0.6
June	13	8:00AM	KC	978822	2531.93	4202	2.69	4137	2.56	4089	2.63	42925.9	24	14933.8	6.1	14953	6.1	793.7	0.4	798	0.4
June	16	11:15AM	KC	987736	2938.87	4211	2.98	4146	3.1	4098	3.1	43001.2	24	14966.7	32.9	14985.9	32.9	795.4	1.7	799.7	1.7
June	17	1:27PM	SF	990600	2679.77	4214	2.86	4149	2.29	4101	2.75	43027.4	24	14977.3	10.6	14996.5	10.6	796	0.6	800.3	0.6
June	18	1:40	BJ	993050	2577.83	4216	2.76	4151	2.73	4104	2.69	43051.1	24	14986.5	9.2	15005.7	9.2	796.5	0.5	800.8	0.5
June	19	1:45PM	KC	995701	2390.26	4219	2.59	4154	2.44	4107	2.52	43075.9	24	14996.2	9.7	15015.4	9.7	797	0.5	801.3	0.5
June	20	11:15AM	SF	997828	2694.31	4222	2.87	4156	2.65	4109	2.78	43097.3	24	15004	7.8	15023.2	7.8	797.4	0.4	801.7	0.4
June	23	11:03AM	BJ	5540	2643.11	4229	2.84	4164	2.97	4116	2.49	43169.1	24	15032.2	28.2	15051.4	28.2	798.9	0.5	803.2	1.5
June	24	10:40AM	BJ	8163	2768.65	4232	2.92	4167	2.86	4119	2.77	43192.8	24	15042.1	9.9	15061.4	10	799.4	0.5	803.7	0.5
June	25	1:45PM	SF	11730	2945.01	4236	3.21	4170	3.03	4122	3	43219.7	24	15055.3	13.2	15074.5	13.1	800.1	0.7	804.4	0.7
June	26	11:01AM	MM	13549	2921.63	4238	3.08	4172	3.06	4124	2.99	43241.02	24	15065.4	10.1	15084.6	10.1	800.6	0.5	805	0.6
June	27	1:45PM	SF	16783	2069.32	4241	2.19	4175	2.27	4127	1.97	43267.7	24	15078.2	12.8	15097.4	12.8	801.3	0.7	805.7	0.7
June	30	10:45AM	SF	26009	3469.2	4251	3.59	4185	3.57	4137	3.55	43336.7	24	15111.5	33.3	15130.8	33.4	803.1	1.8	807.4	1.7

Main Lift Station 2025																							
Inspection				High Lift Pump #1		High Lift Pump #2		High Lift Pump #3		Bypass Pump #1		Bypass Pump #2		Room Temperatures					H2S/LEL Levels				
Month	Date	Time	Op	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time	Odor Control	Screen	High Lift	Electrical	Mechanical	Odor Control	Screen	High Lift	Electrical	Mechanical
June	2	7:21AM	BJ	4090	2.49	4005	2.21	3194	2.11	12	0	10	0	22.8	19.7	22.1	21.7	22.3		0.1/0.0	0/0		
June	3	11:30AM	KC	4092	2.27	4008	2.17	3196	2.07	12	0	10	0	25	22	23	21	22		15.4/0.1	0/0		
June	4	1:30PM	KC	4095	2.51			3199	1.94	12	0	10	0	28	25	25	22	23		16.9/0.1	0/0		
June	5	8:00AM	SF	4097	2.25	4012	2.26	3200	2.15	12	0	10	0	24.7	21.3	23.5	21.5	22.6		19.4/0.1	0/0		
June	6	10:40AM	SF	4099	2.23	4015	2.25	3203	2.31	12	0	10	0	28.3	25.3	26	22	23.3		13.7/.1	0/0		
June	10	6:45AM	KC	4108	2.95	4024	2.57	3212	2.41	12	0	10	0	30	26	27	22	24		15.7/0.1	0/0		
June	11	8:35Am	SF	4111	2.42	4026	2.28	3214	2.08	12	0	10	0	30.5	27.2	28.4	22.3	25.2		20.3/0.1	0/0		
June	12	1:50PM	SF	4114	2.31	4030	2.33	3217	2.17	12	0	10	0	31.1	28.5	28.2	21.3	25.3		20.6/.1	0/0		
June	13	8:00AM	KC	4116	2.51	4031	2.3	3218	2.38	12	0	10	0	26	22	27	21	24		23.1/0.1	0/0		
June	16	11:15AM	KC	4125	3.07	4040	2.86	3226	2.66	12	0	10	0	27	25	26	22	24		20.9/0.1	0/0		
June	17	1:27PM	SF	4128	2.85	4042	2.58	2339	2.29	12	0	10	0	29	26	27	22	24		23.5/0.1	0/0		
June	18	1:40	BJ	4310	2.68	4045	2.51	3231	2.19	12	0	10	0	29	24	27	22	24		23.6/0.0	0/0		
June	19	1:45PM	KC	4133	2.51	4047	2.28	3233	2.09	12	0	10	0	28	25	27	21	24		8.6/0.0	0/0		
June	20	11:15AM	SF	4135	2.87	4049	2.47	3235	2.35	12	0	10	0	27	23.5	26.4	21.9	23.8		6.9/0.1	0/0		
June	23	11:03AM	BJ	4143	2.91	4057	2.36	3242	2.53	12	0	10	0	20.3	24.5	23.2	22.1	24.5		6.6/0.1	0/0		
June	24	10:40AM	BJ	4143	1.31	4064	5.98	3242	0.93	12	0	10	0	24.6	21.5	25.4	21.9	22.4		6.2/0.1	0/0		
June	25	1:45PM	SF	4143	0	4075	8.49	3242	0	12	0	10	0	28.2	26	26.9	21.2	23.3		5.7/0.1	0/0		
June	26	11:01AM	MM	4143	0	4080	8.48	3242	0	13	0.97	11	0.9	26.9	24	25.8	22.4	21		5.2/0.1	0/0		
June	27	1:45PM	SF	4146	1.72	4083	2.89	3245	1.4	13	1.14	11	1.04	27	23.7	26.5	21.2	23.2		6.9/.1	0/0		
June	30	10:45AM	SF	4156	3.67	4092	3.3	3253	3.07	13	0	11	0	29.5	26.2	29.3	22.6	24		0/0.1	0/0		

Main Lift Station 2025

Inspection				Low Lift		High Lift		Low Lift Pump #1		Low Lift Pump #2		Low Lift Pump #3		Odor Control Room						Drum Screen #1 Bearings			
Month	Date	Time	Op	Well %	Well %	PSI	LPS	Amps	Hz	Amps	Hz	Amps	Hz	Amps	Hz	Fan Diff. PSI	Media Diff. P	Bearings Temp	Grease	Temp	Grease	Amps	Hz
June	2	7:21AM	BJ	1.61	1.34	97	0	19	55							0.6	1.8	29.5/36.7	Good	18.2/15.7	Good		
June	3	11:30AM	KC	1.57	1.44	95	0	0	0	0	0	0	0			0.6	1.7	29/28	Good	21/22	Good		
June	4	1:30PM	KC	1.26	1.6	97	0	19	55	0	0	0	0			1.1	2.8	28/32	Good	24/21	Good		
June	5	8:00AM	SF	1.4	1.01	109	99	0	0	0	0	20	55			0.7	1.8	25/26	Good	18/17	Good		
June	6	10:40AM	SF	1.23	1.2	114	104	19	55	0	0	0	0			1.4	3.2	30/33	Good	24/21	Good		
June	10	6:45AM	KC	1.32	0.95	97	0	0	0	0	0	20	55			1.4	3.2	30/34	Good	23/25	Good		
June	11	8:35Am	SF	1.32	0.7	109	99					20	55			1.45	3.2	31/34	Good	23/21	Good		
June	12	1:50PM	SF	1.74	1.35	97	0	19	55	0	0	0	0			1.45	3.2	31/34	Good	25/23	Good		
June	13	8:00AM	KC	1.53	1.26	97	0	0	0	20	55	0	0			1.5	2.3	27/29	Good	21/19	Good		
June	16	11:15AM	KC	0.95	1.73	111	1.6	0	0	0	0	0	0			1.3	2.8	31/32	Good	21/23	Good		
June	17	1:27PM	SF	0.86	1.12	97	91	0	0	0	0	0	0			1.4	2.9	28.6/36	Good	21/20	Good		
June	18	1:40	BJ	1.27	1.73	97	0									1.5	2.5	35.9/33.4	Good	21/22	Good		
June	19	1:45PM	KC	0.86	1.82	110	103									1.5	2.5	26/32	Good	20/20	Good		
June	20	11:15AM	SF	1.8	0.8	108	91	0	0	20	55	0	0			1.4	2.9	29/32	Good	22/19	Good		
June	23	11:03AM	BJ	1.79	1.8	113	96	19	55							1.4	2.9	28/31	Good	21/19	Good		
June	24	10:40AM	BJ	1.65	0.67	109	96	20	55			19	55			1.4	3	29.6/26.4	Good	23/21	Good		
June	25	1:45PM	SF	0.78	1.82	108	102									1.4	3	32.3/35.6	Good	27/23	Good		
June	26	11:01AM	MM	2.79	0.57	8	0	19	55	0	55	0	55			1.4	3	32.3/27.8	Good	26/22	Good		
June	27	1:45PM	SF	1.09	1.2	108	96									1.4	3	28/31	Good	21/20	Good		
June	30	10:45AM	SF	0.78	1.22	104	76	0	0	0	0	0	0			1.5	3	31/34	Good	24/22	Good		

Main Lift Station 2025

Inspection				Drum Screen #2 Bearings				Flush	Clean	Verticle Turbine Pump #1						Verticle Turbine Pump #2					
Month	Date	Time	Op	Temp	Grease	Amps	Hz	Trough	Screens	Bearing C (1)	Bearing C	Packing	Vibration	Amps	Hz	Bearing C (1)	Bearing C	Packing	Vibration	Amps	Hz
June	2	7:21AM	BJ	18.9/16.7	Good			Yes	Yes	27.6/27.3	29.7/29.9	Good	Good	137	60	26.125.2	27.9/27.6	Good	Good	142	59
June	3	11:30AM	KC	18/19	Good			Yes	Yes			Good						Good			
June	4	1:30PM	KC	24/20	Good			Yes	Yes			Good				26/29	29/28	Good	Good	145	60
June	5	8:00AM	SF	18/17	Good			Yes	Yes	27.3/27	29.3/28.2	Good	Good	140	60			Good			
June	6	10:40AM	SF	23/20	Good			Yes	Yes			Good						Good			
June	10	6:45AM	KC	23/21	Good			Yes	Yes			Good						Good			
June	11	8:35Am	SF	22/21	Good			Yes	Yes	34.7/34.1	35.5/34.5	Good	Good	141	60			Good			
June	12	1:50PM	SF	24/24	Good			Yes	Yes			Good						Good			
June	13	8:00AM	KC	21/18	Good			Yes	Yes			Good						Good			
June	16	11:15AM	KC	21/23	Good			Yes	Yes			Good						Good			
June	17	1:27PM	SF	22/21	Good			Yes	Yes	34/34	41/40	Good	Good	141	60			Good			
June	18	1:40	BJ	24.7/22.3	Good			Yes	Yes												
June	19	1:45PM	KC	20/21	Good							Good						Good			
June	20	11:15AM	SF	21/20	Good			Yes	Yes	32/32	34/34	Good	Good	144	60			Good			
June	23	11:03AM	BJ	22/20	Good			Yes	Yes												
June	24	10:40AM	BJ	23/21	Good			Yes	Yes			Good				34.7/34	42.9/40.1	Good	Good	141	59
June	25	1:45PM	SF	27/24	Good			Yes	Yes			Good				39/38	47/43	Good	Good	141	59
June	26	11:01AM	MM	30/26	Good			Yes	Yes			Good									
June	27	1:45PM	SF	22/20	Good			Yes	Yes	32/32	38/37	Good	Good	142	60			Good			
June	30	10:45AM	SF	25/22	Good			Yes	Yes	33/33.4	43.6/44.2	Good	Good	128	60			Good			

Main Lift Station 2025

Inspection				Verticle Turbine Pump #3						Mechanical Room		High Lift Bypass			Bypass Pump #1		Bypass Pump #2		Security		
Month	Date	Time	Op	Up Bearing C (1+2)	Low Bearing C (3+4)	Packing	Vibration	Amps	Hz	NTU	Residual	Well %	PSI	GPM	Amps	Hz	Amps	Hz	Doors	Gates	Hatches
June	2	7:21AM	BJ			Good					0.75	1.76							Secure	Secure	Secure
June	3	11:30AM	KC			Good						1.76							Secure	Secure	Secure
June	4	1:30PM	KC			Good					0.49	1.77							Secure	Secure	Secure
June	5	8:00AM	SF			Good						1.77							Secure	Secure	Secure
June	6	10:40AM	SF	33/33	33/32	Good	Good	138	60		0.59	1.77							Secure	Secure	Secure
June	10	6:45AM	KC			Good					0.27	1.77							Secure	Secure	Secure
June	11	8:35Am	SF			Good					0.75	1.77							Secure	Secure	Secure
June	12	1:50PM	SF			Good					0.98	1.77							Secure	Secure	Secure
June	13	8:00AM	KC			Good					0.26	1.78							Secure	Secure	Secure
June	16	11:15AM	KC	29/30	31/30	Good	Good	138	60		1.15	1.78							Secure	Secure	Secure
June	17	1:27PM	SF			Good					0.71	1.78							Secure	Secure	Secure
June	18	1:40	BJ								0.82	1.78							Secure	Secure	Secure
June	19	1:45PM	KC			Good					1.13	1.78							Secure	Secure	Secure
June	20	11:15AM	SF			Good					1.05	1.78							Secure	Secure	Secure
June	23	11:03AM	BJ								0.95	1..80							Secure	Secure	Secure
June	24	10:40AM	BJ			Good					0.89	1.8							Secure	Secure	Secure
June	25	1:45PM	SF			Good					0.95	1.81							Secure	Secure	Secure
June	26	11:01AM	MM									1.35							Secure	Secure	Secure
June	27	1:45PM	SF			Good					0.99	0.69							Secure	Secure	Secure
June	30	10:45AM	SF			Good					1.2	1.35							Secure	Secure	Secure

Main Lift Station 2025																					
Inspection				Total Volume m3		Low Lift Pump #1		Low Lift Pump #2		Low Lift Pump #3		Odor Control Fan		Drum Screen #1		Drum Screen #2		Auger Press #1		Auger Press #2	
Month	Date	Time	Op	Total	Demand	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time
July	2	1:30PM	SF	34098	3623.79	4260	3.94	4193	3.77	4144	3.54	43387.5	24	15140	28.5	15159.3	28.5	804.6	1.5	809	1.6
July	3	11:20AM	BJ			4263	3.82	4196	3.76	4148	3.98	15150.9	24	15150	10	15170.2	10.9	805.2	0.6	809.5	0.5
July	4	9:22AM	BJ	40040	3407.03	4266	3.56	4198	3.47	4150	3.61	4343.14	24	15161	11	15180.7	10.5	805.8	0.6	810.1	0.6
July	7	9:22AM	BJ	49428	3073.4	4275	3.19	4208	3.28	4160	3.16	4350.31	24	15195	34	15215.1	34.4	807.6	1.8	811.9	1.8
July	9	2:08PM	MM	56503	3085.4	4283	3.38	4215	3.19	4167	3.17	43556.3	24	15221	26	15241	25.9	808.9	1.3	813.3	1.4
July	10	9:14AM	BJ	58672	3006.7	4285	3.26	217	3.05	4169	3.16	43575.3	24	15229.6	8.6	15248.8	7.8	809.4	0.5	813.7	0.4
July	11	11:06AM		62052	3110.06	4288	3.32	4221	3.27	4173	3.18	43601.1	24	15242	12.4	15261.3	12.5	810	0.6	814.4	0.7
July	14	8:00AM		70424	3050.58	4297	3.28	4229	3.13	4181	3.05	436700	24	15272.9	30.9	15292.2	30.9	811.7	1.7	816.1	1.7
July	15	6:42AM	MM	73425	3057.6	4301	3.34	4233	3.2	4184	3.1	43694.8	24	15283.7	10.8	15302.9	10.7	812.2	0.5	816.6	0.5
July	16	11:00AM	KC	77305	3272	4304	3.53	4236	3.34	4188	3.19	43721.1	24	15297.6	13.9	15316.9	14	813	0.8	817.4	0.8
July	17	12:40AM		80577	2926.92	4308	3.2	4240	3.08	4191	2.98	43746.7	24	15309.4	11.8	15328.7	11.8	813.6	0.6	818.2	0.8
July	18	11:13AM	KC	83387	3028.96	4311	3.16	4243	3.14	4194	3.1	43769.2	24	15319.7	10.3	15339	10.3	814.2	0.6	818.5	0.3
July	21	10:55AM	KC	92692	2987.6	4320	3.13	4252	3.27	4203	3.1	43840.9	24	15353.4	33.7	15372.7	33.7	816	1.8	820.4	1.9
July	22	6:38AM	MM	95335	3350.46	4323	3.62	4255	3.38	4205	3.18	43860.6	24	15363.2	9.8	15382.5	9.8	816.5	0.5	820.9	0.5
July	23	1:28PM	BJ	100255	3612.37	4328	3.88	4260	3.82	4210	3.64	43891.5	24	15380.6	17.4	15399.9	17.4	817.4	0.9	821.8	0.9
July	24	11:22	AF	103351	3529	4332	3.7	4263	3.79	4213	3.44	43913.7	24	15392	11.4	15411.3	11.4	818	0.6	822.4	0.6
July	25	12:54PM	AF	107335	3600.6	4336	3.91	4267	3.73	4217	3.58	43938.9	24	15406.1	14.1	15425.4	14.1	818.8	0.8	823.2	0.8
July	28	8:00AM	SF	116375	3301.73	4345	3.39	4276	3.49	4226	3.32	44005.9	24	15438.8	32.7	15458	32.6	820.5	1.7	824.9	1.7
July	29	8:30AM	SN	119532	3012.35	4348	3.34	4280	3	4229	3.03	44030.5	24	15450.3	11.5	15469.6	11.6	821.1	0.6	825.5	0.6
July	30	1:00PM	AF	123543	3372.3	4349	1.23	4291	7.94	4229	1.32	44059	24	15464.7	14.4	15484	14.4	821.9	0.8	826.3	0.8
July	31	8:53	AF	126123	3152.88	4349	0	4299	9.82	4229	0	44078.9	24	15474.2	9.5	15493.5	9.5	822.4	0.5	826.8	0.5

Main Lift Station 2025																							
Inspection				High Lift Pump #1		High Lift Pump #2		High Lift Pump #3		Bypass Pump #1		Bypass Pump #2		Room Temperatures					H2S/LEL Levels				
Month	Date	Time	Op	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time	Odor Control	Screen	High Lift	Electrical	Mechanical	Odor Control	Screen	High Lift	Electrical	Mechanical
July	2	1:30PM	SF	4162	2.9	4105	5.82	3260	3.37	13	0	11	0	34	31.7	32.1	22.5	25.6		0/0.1	0/0		
July	3	11:20AM	BJ	4165	4.33	4109	4.38	3263	3.93	13	0	11	0	27.3	30	29	22.2	25.3		0/0.1	0/0		
July	4	9:22AM	BJ	4169	4.08	4112	3.64	3265	2.95	13	0	11	0	28.8	28	26	21.9	22.3		0/0.1	0/0		
July	7	9:22AM	BJ	4178	3	4121	3.01	3273	2.73	13	0	11	0	25.4	28.2	29	21	24.3		0/0.1	0/0		
July	9	2:08PM	MM	4185	3.16	4127	2.93	3280	2.67	13	0	11	0	30.8	27.5	29.2	21.3	24.8		0/0.1	0/0		
July	10	9:14AM	BJ	4187	2.98	4129	2.94	3282	2.55	13	0	11	0	28	25	28	22	24		0/0.1	0/0		
July	11	11:06AM			3.2	4132	3.02	3285	2.64	13	0	11	0	26.3	28	29	21	24		0/0.1	0/0		
July	14	8:00AM		4199	3.37	4140	2.73	3292	2.65	13	0	11	0	30	30	28	21	25		0/0.1	0/0		
July	15	6:42AM	MM	4202	2.96	4143	3.01	3294	2.73	13	0	11	0	28	30	28	21	23		0/0.1	0/0		
July	16	11:00AM	KC	4206	3.67	4146	3	3298	2.76	13	0	11	0	30	27	29	22	25		0/0.1	0/0		
July	17	12:40AM		4209	3.16	4149	2.91	3301	2.48	13	0	11	0	31	29	28	21.6	24.9		0/0.1	0/0		
July	18	11:13AM	KC	4212	3.02	4152	2.87	3303	2.7	13	0	11	0	30	29	28	20	24		0/0.1	0/0		
July	21	10:55AM	KC	4222	3.2	4161	2.66	3311	2.64	13	0	11	0	28	24	28	22	24		0/0.1	0/0		
July	22	6:38AM	MM	4224	3.34	4163	3.19	3313	3.02	13	0	11	0	26	21	26	21	24		0/0.1	0/9		
July	23	1:28PM	BJ	4230	4.06	4168	3.48	3318	2.92	13	0	11	0	29.8	27.1	28.5	21.5	24.2		0/0.1	0/0		
July	24	11:22	AF	4234	4.39	4170	3.2	3320	2.89	13	0	11	0	30.1	26.8	28.9	21.6	24.8		0/0.1	0/0		
July	25	12:54PM	AF	4238	4.46	4174	3.42	3323	3.01	13	0	11	0	32.2	28.9	30.6	21.9	25.4		0/0.1	0/0		
July	28	8:00AM	SF	4249	4.05	4182	2.94	3331	2.83	13	0	11	0	27.9	24.1	29.2	21.2	24.7		0/0.1	0/0		
July	29	8:30AM	SN	4252	3.25	4185	2.91	3334	2.55	13	0	11	0	25.2	28.2	29.2	21.8	24.8		0/0.1	0/0		
July	30	1:00PM	AF	4356	3.12	4190	3.95	3337	2.7	13	0	11	0	33.7	30.8	30.8	21.4	25.4		0/0.1	0/0		
July	31	8:53	AF	4258	3.4	4192	3.05	3339	2.71	13		11		31.2	27.3	29.5	21.5	25.7		0/0.1	0/0		

Main Lift Station 2025																							
Inspection				Low Lift		High Lift		Low Lift Pump #1		Low Lift Pump #2		Low Lift Pump #3		Odor Control Room					Drum Screen #1 Bearings				
Month	Date	Time	Op	Well %	Well %	PSI	LPS	Amps	Hz	Amps	Hz	Amps	Hz	Amps	Hz	Fan Diff. PSI	Media Diff. P	Bearings Temp	Grease	Temp	Grease	Amps	Hz
July	2	1:30PM	SF	0.92	0.92	95	0			19	55					1.4	3	37/42	Good	27/23	Good		
July	3	11:20AM	BJ	1.68	0.66	95	0									1.4	3	38/36	Good	26/23	Good		
July	4	9:22AM	BJ	1.49	0.77	95	0		55	20	55		55			1.4	3	33/31	Good	27/25	Good		
July	7	9:22AM	BJ	1.69	0.58	97	0	0	0	20	55	0	0			1.4	2.9	34/35	Good	22/24	Good		
July	9	2:08PM	MM	1.85	1.42	97	0			20	55					1.4	2.9	35/36	Good	25/23	Good		
July	10	9:14AM	BJ	1.83	1.1	97	0			20	55					1.5	2.9	37/34	Good	31/28	Good		
July	11	11:06AM		1.58	0.71	108	104									1.5	2.9	34/31	Good	24/23	Good		
July	14	8:00AM		1.41	1.37	106	98									1.5	2.9	37/39	Good	25/23	Good		
July	15	6:42AM	MM	1.39	0.78	98	0	19	55							1.4	2.9	30/33	Good	23/22	Good		
July	16	11:00AM	KC	1.21	1.54	107	103	19	55							1.5	2.9	33/35	Good	26/24	Good		
July	17	12:40AM		1.28	0.94	95										1.4	2.9	35/29	Good	25/24	Good		
July	18	11:13AM	KC	1.27	1.01	102	73			20	55					1.5	2.8	34/35	Good	25/22	Good		
July	21	10:55AM	KC	1.89	0.74	108		19	55							1.5	2.8	30/32	Good	24/22	Good		
July	22	6:38AM	MM	0.81	1.13	107	100	0	0	0	0	0	0			1.4	2.9	30/27	Good	20/21	Good		
July	23	1:28PM	BJ	0.93	1.55	97	0	19	55							1.4	2.4	36.1/33.9	Good	28/26	Good		
July	24	11:22	AF	1.7	1.38	108	100					20	55			1.4	2.4	35/32	Good	24/22	Good		
July	25	12:54PM	AF	1.16	0.76	99	0	19	55							1.5	2.4	36/33	Good	28/26	Good		
July	28	8:00AM	SF	1.59	0.69	108	101			20	55					1.5	2.8	28/35	Good	22/19	Good		
July	29	8:30AM	SN	1.1	1.16	97	0									1.5	2.8	34/31	Good	24/22	Good		
July	30	1:00PM	AF	0.85	1.25	108	101									1.5	2.4	38/35	Good	26/28	Good		
July	31	8:53	AF	0.91	1.25	108	99					20	55			1.5	2.4	Apr-36	Good	30'26	Good		

Main Lift Station 2025																					
Inspection				Drum Screen #2 Bearings				Flush	Clean	Verticle Turbine Pump #1						Verticle Turbine Pump #2					
Month	Date	Time	Op	Temp	Grease	Amps	Hz	Trough	Screens	Bearing C (1	Low Bearing C (3+4)	Packing	Vibration	Amps	Hz	Bearing C (1	Bearing C	Packing	Vibration	Amps	Hz
July	2	1:30PM	SF	27/23	Good			Yes	Yes			Good						Good			
July	3	11:20AM	BJ	26/24	Good			Yes	Yes	42/44	44/42	Good				40/42	41/45	Good			
July	4	9:22AM	BJ	22/23	Good			Yes	Yes			Good				44/42	39/40	Good	Good	135	60
July	7	9:22AM	BJ	23/25	Good			Yes	Yes												
July	9	2:08PM	MM	25/22	Good			Yes	Yes			Good				36/36	37/37	Good	Good	135	60
July	10	9:14AM	BJ	31/28	Good			Yes	Yes			Good						Good			
July	11	11:06AM		23/22	Good			Yes	Yes												
July	14	8:00AM		24/27	Good			Yes	Yes	43/41	41/42	Good	Good	140	60						
July	15	6:42AM	MM	20/21	Good			Yes	Yes			Good						Good			
July	16	11:00AM	KC	26/22	Good			Yes	Yes			Good				37/37	38/37	Good	Good	138	60
July	17	12:40AM		23/24	Good			Yes	Yes			Good									
July	18	11:13AM	KC	23/21	Good			Yes	Yes	40/39	41/41	Good	Good	124	60			Good			
July	21	10:55AM	KC	22/21	Good			Yes	Yes			Good						Good			
July	22	6:38AM	MM	21/20	Good			Yes	Yes			Good				27/28	33/34	Good	Good	142	59
July	23	1:28PM	BJ	27/25	Good			Yes	Yes	38/39	39/41	Good	Good	139	60			Good			
July	24	11:22	AF	26/27	Good			Yes	Yes			Good				35/37	38/39	Good	Good	142	60
July	25	12:54PM	AF	28/26	Good			Yes	Yes			Good						Good			
July	28	8:00AM	SF	22/20	Good			Yes	Yes			Good				33/31	36/36	Good	Good	142	60
July	29	8:30AM	SN	21/23	Good			Yes	Yes												
July	30	1:00PM	AF	30/28	Good			Yes	Yes			Good						Good			
July	31	8:53	AF	31/27	Good			Yes	Yes			Good				38/36	41/38	Good	Good	146	60

Main Lift Station 2025																					
Inspection				Verticle Turbine Pump #3						Mechanical Room		High Lift Bypass			Bypass Pump #1		Bypass Pump #2		Security		
Month	Date	Time	Op	Up Bearing C (1+2)	Low Bearing C (3+4)	Packing	Vibration	Amps	Hz	NTU	Residual	Well %	PSI	GPM	Amps	Hz	Amps	Hz	Doors	Gates	Hatches
July	2	1:30PM	SF			Good					1.25	1.38							Secure	Secure	Secure
July	3	11:20AM	BJ	38/37	44/43	Good					1.2	1.39							Secure	Secure	Secure
July	4	9:22AM	BJ								1.1	1.36							Secure	Secure	Secure
July	7	9:22AM	BJ	34.8/34.2	37.7/37	Good	Good	138	60		0.31	0.69	99	0	0	60	0	60	Secure	Secure	Secure
July	9	2:08PM	MM								1.58	1.37			0	60	0	60	Secure	Secure	Secure
July	10	9:14AM	BJ			Good					0.09				0	60	0	60	Secure	Secure	Secure
July	11	11:06AM						138	60		1.14	0.71	103	108					Secure	Secure	Secure
July	14	8:00AM									0.84	0.83	93	106					Secure	Secure	Secure
July	15	6:42AM	MM			Good					1.14	1.38							Secure	Secure	Secure
July	16	11:00AM	KC			Good					1.23	1.38							Secure	Secure	Secure
July	17	12:40AM									1.21	1.12	97						Secure	Secure	Secure
July	18	11:13AM	KC			Good					1.02	1.39							Secure	Secure	Secure
July	21	10:55AM	KC	33/33	36/32	Good		138	60		1.03	1.38							Secure	Secure	Secure
July	22	6:38AM	MM			Good					1.01	1.4							Secure	Secure	Secure
July	23	1:28PM	BJ			Good					0.75	1.83	107	98					Secure	Secure	Secure
July	24	11:22	AF			Good					1.28	1.39							Secure	Secure	Secure
July	25	12:54PM	AF			Good					1.44	1.4									
July	28	8:00AM	SF			Good					1.47	1.39							Secure	Secure	Secure
July	29	8:30AM	SN								1.18	1.17							Secure	Secure	Secure
July	30	1:00PM	AF			Good					1.06	1.39							Secure	Secure	Secure
July	31	8:53	AF			Good					1.05	1.4							Secure	Secure	Secure

Main Lift Station 2025																					
Inspection				Total Volume m3		Low Lift Pump #1		Low Lift Pump #2		Low Lift Pump #3		Odor Control Fan		Drum Screen #1		Drum Screen #2		Auger Press #1		Auger Press #2	
Month	Date	Time	Op	Total	Demand	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time
August	1	13:27	AF	130460	3389.63	4353	2.15	4304	6.24	4233	2.19	44107.5	24	15489.5	15.3	15508.8	15.3	823.2	0.8	827.6	0.8
August	4	2:36PM	KC	141321	3596.1	4364	4	4315	3.54	4244	3.51	44180.6	24	15528.2	38.7	15547.5	38.7	825.2	2	829.7	2.1
August	5	6:30AM	SF	142331	3487.65	4366	3.62	4317	3.57	4246	3.51	44196.7	24	15535.5	7.3	15554.8	7.3	825.6	0.4	830.1	0.4
August	6	7:30AM	SN	146603	3231.17	4370	3.56	4230	3.38	4349	3.17	44221.6	24	15547.5	12	15566.6	11.8	826.3	0.7	830.7	0.6
August	7	7:36AM	MM	150389	3642.95	4374	3.89	4324	3.67	4252	3.56	44245.6	24	15560.7	13.2	15580	13.4	827	0.7	831.4	0.7
August	9	8:30AM	SN	154377	3743.44	4378	4.14	4328	3.86	4256	3.7	44270.7	24	15575.1	14.4	15594.3	14.3	827.7	0.7	832.2	0.8
August	11	1:40PM	SN	165253	2961.12	4389	2.92	4339	2.92	4268	3.95	44347.8	24	15614.6	39.5	15633.9	39.6	829.8	2.1	834.3	2.1
August	12	7:15AM	AF	167148	2890.04	4391	3.21	4341	3.32	4270	2.95	44362.9	24	15621.6	7	15640.9	7	830.2	0.4	834.7	0.4
August	13	9:10AM	SN	170620	3143.8	4395	3.4	4344	3.32	4273	3.12	443891	24	15645.3	23.7	15664.2	23.3	830.9	0.7	835.5	0.8
August	14	9:10AM	SN	173872	3165.5	4398	3.39	4348	3.31	4276	3.15	444128	24	15645.9	0.6	15665.2	1	831.5	0.6	836	0.5
August	15	10:50AM	SN	177498	3327.2	4402	3.49	4351	3.52	4280	3.36	444385	24	15659	13.1	15678.5	13.3	832.2	0.7	836.7	0.7
August	18	8:34AM	AF	186304	3049.92	4411	3.15	4360	3.34	4289	3.21	44508.2	24	15691.5	32.5	15710.8	32.3	833.9	1.7	838.4	1.7
August	19	12:40PM	AF	190082	3088.24	4415	3.3	4364	3.2	4292	3.14	44536.3	24	15705.2	13.7	15724.5	13.7	834.6	0.7	839.1	0.7
August	20	6:30AM	KC	192200	3029.64	4417	3.19	4366	3.18	4294	3.03	44554.1	24	15712.9	7.7	15732.2	7.7	835.1	0.5	839.5	0.4
August	21	11:10Am	AF	196115	3129.3	4422	3.43	4370	3.2	4298	3.2	44582.8	24	15727.1	14.2	15746.4	14.2	835.8	0.7	840.3	0.8
August	22	7:16AM	MM	198529	3174.6	4424	3.46	4373	3.31	4301	3.27	44602.9	24	15736	8.9	15755.3	8.9	836.3	0.5	840.8	0.5
August	25	7:20AM	KC	207836	3047.1	4434	3.27	4382	3.19	4310	3.12	44675	24	15770	34	15789.2	33.9	838.1	1.8	842.6	1.8
August	26	7:00AM	KC	210829	3048.7	4437	3.29	4386	3.32	4313	2.89	44698.7	24	15780.8	10.8	15800.1	10.9	838.7	0.6	843.2	0.6
August	27	9:00AM	SN	214168	3020.34	4441	3.18	4389	3.2	4316	3.04	447245	24	15795.1	14.3	15812.4	12.3	839.5	0.8	845.8	2.6
August	28	8:40AM	AF	217212	3072.96	4444	3.37	4392	W.2	4319	3.15	44748.3	24	15804.2	9.1	15823.4	11	839.9	0.4	844.4	0.4
August	29	11:00AM	SN	220606	3075.4	4447	3.29	4395	3.22	4323	3.12	447748	24	15816.6	12.4	15835.9	12.5	840.6	0.7	845.1	0.7

Main Lift Station 2025																							
Inspection				High Lift Pump #1		High Lift Pump #2		High Lift Pump #3		Bypass Pump #1		Bypass Pump #2		Room Temperatures					H2S/LEL Levels				
Month	Date	Time	Op	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time	Odor Control	Screen	High Lift	Electrical	Mechanical	Odor Control	Screen	High Lift	Electrical	Mechanical
August	1	13:27	AF	4263	3.44	4196	3.33	3343	2.94	13	0	11	0	33.3	30.3	31.1	21.9	25.9		0/0.1	0/0		
August	4	2:36PM	KC	4275	3.84	4206	3.58	3352	2.93	13	0	11	0	33	29	30	22	25		0/0.1	0/0		
August	5	6:30AM	SF	4277	3.48	4208	3.34	3354	3.15	13	0	11	0	28.6	24	29.1	20.9	25.3		0/0.1	0/0		
August	6	7:30AM	SN	4280	3.05	4211	3.2	3357	2.92	13	0	11	0	25.2	28	27	20	25		0/0.1	0/0		
August	7	7:36AM	MM	4285	4.65	4214	3.18	3360	2.94	13	0	11	0.03	26	22	27	20	24		0/1	0/0		
August	9	8:30AM	SN	4290	4.54	4218	3.44	3363	3.16	13	0	11	0	22.5	26	27	21	24		0/1	0/0		
August	11	1:40PM	SN	4298	0	4236	7.73	3370	1.16	13	0	11	0	34	30	31	2	25		0/1	0/0		
August	12	7:15AM	AF	4298	0	4241	7.95	3371	0.82	13	0	11	0	30.3	26	29.2	20.7	23.5		0/0.1	0/0		
August	13	9:10AM	SN	4298	0	4250	8.44	3372	0.94	13	0	11	0	29.9	25	27	21	23		0/0.1	0/0		
August	14	9:10AM	SN	4298	0	4258	8.04	3373	1.45	13	0	11	0	26.7	29	30.6	21	23		0/0.1	0/0		
August	15	10:50AM	SN	4298	0	4267	8.82	3374	1.02	13	0	11	0	26	29	28	21	23		0/0.1	0/0		
August	18	8:34AM	AF	4298	0	4291	7.99	3378	1.13	13	0	11	0	27.1	23.6	27.1	20.8	22.6		5.4/0.1	0/0		
August	19	12:40PM	AF	4298	0	4300	8.13	3379	1.15	13	0	11	0	29.5	26.2	28.5	21.5	23		8.4/0.1	0/0		
August	20	6:30AM	KC	4298	0	4306	7.97	3380	1.16	13	0	11	0	28	24	27	21	23		2.1/0.1	0/0		
August	21	11:10Am	AF	4298	0.21	4317	8.9	3380	0.15	13	0	11	0	29.8	25.7	29	21.8	24		0/0.1	0/0		
August	22	7:16AM	MM	4298	0	4324	9.2	3380	0	13	0	11	0	27.4	23.5	26.6	20.3	22.7		0/0.1	0/0		
August	25	7:20AM	KC	4298	0	4350	8.75	3380	0	13	0	11	0	29	25	28	21	25		0.5/0.1	0/0		
August	26	7:00AM	KC	4298	0	4358	8.87	3380	0	13	0	11	0	30	25	28	21	25		0/0.1	0/0		
August	27	9:00AM	SN	4298	0	4368	8.73	3380	0	13	0	11	0	29	26	28	21	25		0/0.1	0/0		
August	28	8:40AM	AF	4298	0	4376	8.94	3380	0	13	0	11	0	28.9	25.8	28.5	21.4	25		0/0.1	0/0		
August	29	11:00AM	SN	4298	0	4386	8.81	3380	0	13	0	11	0	28.5	25.7	29	21	24		0/0.1	0/0		

Main Lift Station 2025	
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Inspection				Low Lift		High Lift		Low Lift Pump #1		Low Lift Pump #2		Low Lift Pump #3		Odor Control Room						Drum Screen #1 Bearings				
Month	Date	Time	Op	Well %	Well %	PSI	LPS	Amps	Hz	Amps	Hz	Amps	Hz	Amps	Hz	Fan Diff.	PSI	Media Diff.	Bearings Temp	Grease	Temp	Grease	Amps	Hz
August	1	13:27	AF	0.97	1.02	97	0					20	55			1.5	2.4	34/38	Good	23/24	Good			
August	4	2:36PM	KC	0.78	1.59	107	97									1.5	2.4	35/37	Good	22/25	Good			
August	5	6:30AM	SF	1.48	0.82	108	101					19	55			1.4	2.6	32/40	Good	26/21	Good			
August	6	7:30AM	SN	1.07	0.96	97	0									1.4	2.6	37/32	Good	24/23	Good			
August	7	7:36AM	MM	1.55	0.66	102	0	20	55							1.4	2.6	30/27	Good	19/20	Good			
August	9	8:30AM	SN	0.97	1.09	106	88	19	55							1.4	2.5	31.7/32.4	Good	21/22	Good			
August	11	1:40PM	SN	0.86	1.74	97	0									1.4	2.5	42/28	Good	26/24	Good			
August	12	7:15AM	AF	1	1.36	96	0					20	55			1.6	2.5	52/50	Good	24/22	Good			
August	13	9:10AM	SN	1.53	1.8	98	94									1.6	2.4	45/51	Good	24/25	Good			
August	14	9:10AM	SN	1.62	1.8	96	0									1.6	2.8	47/45	Good	25/24	Good			
August	15	10:50AM	SN	0.95	1.57	97	0									1.5	2.9	47/46	Good	23/21	Good			
August	18	8:34AM	AF	1.03	1.4	108	98	19	55			19	55			1.5	2.9	43/44	Good	25/23	Good			
August	19	12:40PM	AF	1.79	1.03	97	0	19	55							1.6	2.9	38/36	Good	23/24	Good			
August	20	6:30AM	KC	0.75	0.9	97	0	19	55							1.6	2.9	32/35	Good	21/19	Good			
August	21	11:10am	AF	1.07	1.3	106	95	19	55			20	55			1.4	2.9	37/37	Good	28/26	Good			
August	22	7:16AM	MM	1.33	1.83	108	100	19	55							1.4	2.4	31/36	Good	23/21	Good			
August	25	7:20AM	KC	1.01	1.22	108	99			20	55					1.4	2.5	33/37	Good	21/21	Good			
August	26	7:00AM	KC	1.22	1.65	108	100	19	55							1.4	2.5	32/38	Good	20/20	Good			
August	27	9:00AM	SN	1.72	1.44	97	98									1.9	2.5	39/40	Good	23/22	Good			
August	28	8:40AM	AF	1.18	1.18	107	0	0	0	19	55	0	0			2	2.4	37/37	Good	24/22	Good			
August	29	11:00AM	SN	0.84	1.36	107	98									2	2.4	23/24	Good	23/21	Good			

Main Lift Station 2025														
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Main Lift Station 2025									
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Inspection				Verticle Turbine Pump #3						Mechanical Room		High Lift Bypass			Bypass Pump #1		Bypass Pump #2		Security		
Month	Date	Time	Op	Up Bearing C (1+2)	Low Bearing C (3+4)	Packing	Vibration	Amps	Hz	NTU	Residual	Well %	PSI	GPM	Amps	Hz	Amps	Hz	Doors	Gates	Hatches
August	1	13:27	AF			Good					1.56	1.38							Secure	Secure	Secure
August	4	2:36PM	KC			Good					1.25	1.4							Secure	Secure	Secure
August	5	6:30AM	SF			Good					1.21	1.53							Secure	Secure	Secure
August	6	7:30AM	SN			SN					1.41	1.76							Secure	Secure	Secure
August	7	7:36AM	MM								1.36	1.18							Secure	Secure	Secure
August	9	8:30AM	SN								1.5	1.08									
August	11	1:40PM	SN								1.35	1.81							Secure	Secure	Secure
August	12	7:15AM	AF			Good					1.5	1							Secure	Secure	Secure
August	13	9:10AM	SN								1.32	1.76							Secure	Secure	Secure
August	14	9:10AM	SN								1.33	1.82							Secure	Secure	Secure
August	15	10:50AM	SN								1.33	1							Secure	Secure	Secure
August	18	8:34AM	AF			Good					1.28	1							Secure	Secure	Secure
August	19	12:40PM	AF			Good					1.86	1.01							Secure	Secure	Secure
August	20	6:30AM	KC								1.36	1							Secure	Secure	Secure
August	21	11:10AM	AF			Good					1.22	1.01							Secure	Secure	Secure
August	22	7:16AM	MM			Good					1.28	1.01							Secure	Secure	Secure
August	25	7:20AM	KC			Good					1.01	1.01							Secure	Secure	Secure
August	26	7:00AM	KC			Good					1.35	1.01							Secure	Secure	Secure
August	27	9:00AM	SN								1.28	1.02							Secure	Secure	Secure
August	28	8:40AM	AF			Good					0.88	1.01							Secure	Secure	Secure
August	29	11:00AM	SN								1.26	1.01							Secure	Secure	Secure

Main Lift Station 2025

Inspection				Total Volume m3		Low Lift Pump #1		Low Lift Pump #2		Low Lift Pump #3		Odor Control Fan		Drum Screen #1		Drum Screen #2		Auger Press #1		Auger Press #2	
Month	Date	Time	Op	Total	Demand	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time
September	2	13:40	AF	232177	2628.4	4460	2.82	4407	2.82	4334	2.66	44873.4	24	15859.1	42.5	15878.4	42.5	842.9	2.3	847.4	2.3
September	3	11:15AM	SF	234499	2660	4462	2.88	4410	2.86	4336	2.67	44894.9	24	15867.9	8.8	15887.1	8.7	845.3	2.4	847.8	0.4
September	4	7:51AM	SN	236570	2597.8	4464	2.78	4412	2.78	4338	2.75	449156	24	15875.8	7.9	15895.1	8	843.8	-1.5	848.2	0.4
September	5	8:50AM	RT	239970	3071	4468	3.32	4415	3.19	4342	3.2	449404	24	15888.5	12.7	15907.6	12.5	844.4	1.4	848.9	0.7
September	8	9:00AM	SF	248256	2692.68	4477	2.95	4424	2.77	4350	2.75	45012.8	24	15919	30.5	15938.3	30.7	846	1.6	850.6	1.7
September	9	13:15	AF	251959	2898.01	4480	3.12	4427	3.06	4354	2.96	45040.9	24	15932.6	13.6	15951.8	13.5	846.8	0.8	851.3	0.7
September	10	7:10AM	SF	253595	2769.22	4482	2.96	4429	2.99	4356	2.84	45058.8	24	15939	6.4	15958.2	6.4	847.1	0.3	851.6	0.3
September	11	7:50	AF	256336	2672.03	4485	2.88	4432	2.81	4358	2.69	45083.5	24	15949.1	10.1	15968.4	10.2	847.6	0.5	852.2	0.6
September	12	8:22AM	SN	259205	2698.95	4488	2.87	4436	2.89	4361	2.79	451080	24	15959.6	10.5	15978.9	10.5	848.2	0.6	852.7	0.5
September	15	8:50	Af	267903	2895.68	4497	3.19	4444	3.03	4370	2.9	45180.5	24	15992.1	32.5	16011.4	32.5	849.9	1.7	854.4	1.7
September	16	8:40	AF	270528	2753.81	4500	2.97	4447	2.88	4373	2.84	45204.4	24	16001.9	9.8	16021.2	9.8	850.4	0.5	855	0.6
September	17	7:35	Af	272867	2443.74	4502	2.64	4449	2.62	4375	2.63	45227.2	24	16010.7	8.8	16029.9	8.7	850.9	0.5	855.4	0.4
September	18	7:10	AF	275308	2529.92	4505	2.75	4452	2.63	4377	2.61	45250.8	24	16020	9.3	16039.3	9.4	851.4	0.5	855.9	0.5
September	18	7:35	Af	277911	2502.94	4508	2.71	4454	2.67	4480	2.62	45275.3	24	16029.6	9.6	16048.9	9.6	851.9	0.5	856.4	0.5
September	22	10:30	Af	285951	2518.09	4516	2.82	4462	2.65	4388	2.62	45350.2	24	16059.9	30.3	16079.1	30.2	853.5	1.6	858.1	1.7
September	23	13:00	SF	288999	2719.14	4519	2.84	4466	2.84	4391	2.78	45376.7	24	16071.2	11.3	16090.5	11.4	854	0.5	858.7	0.6
September	24	8:15	Af	290758	2424.62	4521	2.65	4467	2.54	4393	2.54	45396	24	16077.9	6.7	16097.2	6.7	854.5	0.5	859	0.3
September	25	7:40AM	SF	293099	2416.31	4524	2.67	4470	2.56	4395	2.46	45419.3	24	16086.7	8.8	16106	8.8	855	0.5	859.5	0.5
September	26	7:40	Af	295525	2386.49	4527	2.68	4472	2.53	4398	2.49	45443.3	24	16096.1	9.4	16115.3	9.3	855.5	0.5	860	0.5
September	29	7:30	SF	302796	2423.83	4534	2.66	4480	2.55	4405	2.5	45515.4	24	16123.4	27.3	16142.7	27.4	856.9	1.4	861.4	1.4

Main Lift Station 2025

Inspection				High Lift Pump #1		High Lift Pump #2		High Lift Pump #3		Bypass Pump #1		Bypass Pump #2		Room Temperatures					H2S/LEL Levels				
Month	Date	Time	Op	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time	Odor Control	Screen	High Lift	Electrical	Mechanical	Odor Control	Screen	High Lift	Electrical	Mechanical
September	2	13:40	AF	4298	0	4419	7.57	3380	0	13	0	11	0	32.7	30.2	30.2	20.8	25.7		0/0.1	0/0		
September	3	11:15AM	SF	4298	0	4425	7.8	3380	0	13	0	11	0	31.2	27.1	29.5	21.5	25		0/0.1	0/0		
September	4	7:51AM	SN	4298	0	4431	7.5	3380	0	13	0	11	0	29.4	28.3	25.2	21.2	22		0/0.1	0/0		
September	5	8:50AM	RT	4298	0	4441	9.08	3380	0.12	13	0	11	0	28.1	24.3	28.5	21.4	25.2		0/0.1	0/0		
September	8	9:00AM	SF	298	0	4464	7.88	3380	0	13	0	11	0	26.1	22.2	26.6	21.2	24		0/0.1	0/0		
September	9	13:15	AF	4298	0	4476	8.4	3380	0	13	0	11	0	28.7	25.1	28.3	21.6	24.2		0/0.1	0/0		
September	10	7:10AM	SF	4298	0	4480	8.23	3380	0	13	0	11	0	25	21.2	25.6	20.7	23.9		0/0.1	0/0		
September	11	7:50	AF	4298	0	4488	7.88	3380	0	13	0	11	0	26.2	22.4	26.3	21	23.9		0/0.1	0/0		
September	12	8:22AM	SN	4298		4469	7.99	3380		13		11		27	22	26	21	22		8.2/0.1	0/0		
September	15	8:50	Af	4298	0	4521	8.47	3380	0	13	0	11	0	24.5	21.2	25.7	21.6	23.5		0/0.1	0/0		
September	16	8:40	Af	4298	0	4529	8.49	3380	0	13	0	11	0	24.7	21.4	25.7	21.8	23.5		0/0.1	0/0		
September	17	7:35	Af	4298	0	4536	7.18	3380	0	13	0	11	0	24.5	21	25.7	21.5	23.5		0/0.1	0/0		
September	18	7:10	AF	4298	0	4543	7.39	3380	0	13	0	11	0	25.5	21.8	25.5	20.8	23.6		0/0.1	0/0		
September	18	7:35	Af	4298	0	4550	7.3	3380	0	13	0	11	0	25.5	21.9	26.3	21.5	23.7		0/0.1	0/0		
September	22	10:30	Af	4298	0	4573	7.48	3380	0	13	0	11	0	23.3	20	25	21.2	22.8		0/0.1	0/0		
September	23	13:00	SF	4298	0	4582	8.14	3380	0	13	0	11	0	24.7	21.4	25.3	21.7	22.6		0/0.1	0/0		
September	24	8:15	Af	4298	0	4587	7.05	3380	0	13	0	11	0	22.3	19.1	24.3	21.6	22.5		0/0.1	0/0		
September	25	7:40AM	SF	4298	0	4594	7.04	3380	0	13	0	11	0	22.1	18.9	24.3	21.9	22.6		0/0.1	0/0		
September	26	7:40	Af	4299	0.98	4600	6.23	3380	0	13	0	11	0	22.6	19.4	23.9	21.4	22.5		0/0.1	0/0		
September	29	7:30	SF	4300	0	4620	7.13	3380	0	13	0	11	0	23	20.2	24.3	21.2	22.4		0/0.1	0/0		

Main Lift Station 2025

Inspection				Low Lift		High Lift		Low Lift Pump #1		Low Lift Pump #2		Low Lift Pump #3		Odor Control Room						Drum Screen #1 Bearings					
Month	Date	Time	Op	Well %	Well %	PSI	LPS	Amps	Hz	Amps	Hz	Amps	Hz	Amps	Hz	Fan Diff.	PSI	Media Diff. P	Bearings Temp	Grease	Temp	Grease	Amps	Hz	
September	2	13:40	AF	1.39	1.44	97	0	19	55	20	55							2	3	37/38	Good	26/23	Good		
September	3	11:15AM	SF	0.77	1.44	97	0	0	0	0	0	0	0					1.9	3	37/37	Good	26/24	Good		
September	4	7:51AM	SN	1.86	1.33	108	99	20	55									1.9	3	35/37	Good	24/23	Good		
September	5	8:50AM	RT	0.95	1.35	108	96			19	55							1.9	2.9	41/35	Good	27/24	Good		
September	8	9:00AM	SF	1.7	0.71	108	99	20	55	0	0	20	55					1.9	2.9	32/33	Good	25/22	Good		
September	9	13:15	AF	1.79	0.59	99	0	19	55									1.9	2.9	36/36	Good	24/22	Good		
September	10	7:10AM	SF	0.87	1.82	109	101	19	55	0	0	0	0					2	2.9	31/32	Good	22/20	Good		
September	11	7:50	AF	0.92	1.74	109	98	19	55									2	2.9	32/32	Good	23/21	Good		
September	12	8:22AM	SN	0.96	1.21	97	0											2	2.9	35/28	Good	24/22	Good		
September	15	8:50	Af	1.09	1.07	97	108			20	55							2	3	31/31	Good	24/22	Good		
September	16	8:40	Af	1.73	0.85	92	108			20	55							1.9	3	38/32	Good	24/21	Good		
September	17	7:35	Af	1.51	0.64	104	0	19	55									1.9	3	30/29	Good	22/20	Good		
September	18	7:10	AF	1.39	1.75	97	0			20	55							1.9	3	30/31	Good	20/21	Good		
September	18	7:35	Af	1.24	0.73	97	0					19	55					1.9	2.9	32/32	Good	23/20	Good		
September	22	10:30	Af	1.6	1.12	97	0											1.9	2.9	28/30	Good	22/21	Good		
September	23	13:00	SF	1.69	0.89	108	98	19	55	0	0	0	0					1.9	2.9	29/32	Good	25/23	Good		
September	24	8:15	Af	1.63	0.59	75	0					20	55					119	3	25/25	Good	20/19	Good		
September	25	7:40AM	SF	1.53	0.58	100	0			20	55							1.9	3	24/27	Good	20/18	Good		
September	26	7:40	Af	1.83	1.36	97	0					20	55					2	3	24/26	Good	20/18	Good		
September	29	7:30	SF	1.53	0.93	97	0					20	55					2	3	25/28	Good	21/19	Good		

Main Lift Station 2025

Inspection				Drum Screen #2 Bearings				Flush	Clean	Verticle Turbine Pump #1						Verticle Turbine Pump #2					
Month	Date	Time	Op	Temp	Grease	Amps	Hz	Trough	Screens	Bearing C (1	Low Bearing C (3+4)	Packing	Vibration	Amps	Hz	Bearing C (1	Bearing C	Packing	Vibration	Amps	Hz
September	2	13:40	AF	26/24	Good			Yes	Yes			Good						Good			
September	3	11:15AM	SF	27/24	Good			Yes	Yes			Good						Good			
September	4	7:51AM	SN	26/24	Good			Yes	Yes												
September	5	8:50AM	RT	27/24	Good			Yes	Yes							38/37	54/48	Good	Good	140	59
September	8	9:00AM	SF	25/25	Good			Yes	Yes			Good				34 /33	46/45	Good	Good	143	59
September	9	13:15	AF	22/22	Good			Yes	Yes			Good						Good			
September	10	7:10AM	SF	22/20	Good			Yes	Yes			Good				35/33	39/40	Good	Good	139	59
September	11	7:50	AF	23/21	Good			Yes	Yes			Good				33/35	Apr-36	Good	Good	141	59
September	12	8:22AM	SN	22/20	Good			Yes	Yes												
September	15	8:50	Af	21/23	Good			Yes	Yes			Good				34/32	46/44	Good	Good	140	59
September	16	8:40	Af	23/21	Good			Yes	Yes			Good				31/34	44/47	Good	Good	143	59
September	17	7:35	Af	21/19	Good			Yes	Yes			Good						Good			
September	18	7:10	AF	21/19	Good			Yes	Yes			Good						Good			
September	18	7:35	Af	23/20	Good			Yes	Yes			Good						Good			
September	22	10:30	Af	21/20	Good			Yes	Yes			Good						Good			
September	23	13:00	SF	26/23	Good			Yes	Yes			Good				36/32	45/44	Good	Good	139	59
September	24	8:15	Af	20/19	Good			Yes	Yes			Good						Good			
September	25	7:40AM	SF	20/19	Good			Yes	Yes			Good						Good			
September	26	7:40	Af	20/18	Good			Yes	Yes			Good						Good			
September	29	7:30	SF	21/20	Good			Yes	Yes			Good						Good			

Main Lift Station 2025

Inspection				Verticle Turbine Pump #3				Mechanical Room				High Lift Bypass			Bypass Pump #1		Bypass Pump #2				
Month	Date	Time	Op	Up Bearing C (1+2)	Low Bearing C (3+4)	Packing	Vibration	Amps	Hz	NTU	Residual	Well %	PSI	GPM	Amps	Hz	Amps	Hz	Doors	Gates	Hatches
September	2	13:40	AF								0.98	1.01							Secure	Secure	Secure
September	3	11:15AM	SF			Good					1.16	1.01							Secure	Secure	Secure
September	4	7:51AM	SN								1.29	1.01							Secure	Secure	Secure
September	5	8:50AM	RT								1.37	1.01							Secure	Secure	Secure
September	8	9:00AM	SF			Good					1.36	1.01							Secure	Secure	Secure
September	9	13:15	AF			Good					0.65	1.01							Secure	Secure	Secure
September	10	7:10AM	SF			Good					1.35	1.01							Secure	Secure	Secure
September	11	7:50	AF			Good					1.37	1.01							Secure	Secure	Secure
September	12	8:22AM	SN								1.36	1.01							Secure	Secure	Secure
September	15	8:50	Af			Good					1.37	1.01							Secure	Secure	Secure
September	16	8:40	Af			Good					1.33	1.01							Secure	Secure	Secure
September	17	7:35	Af			Good					1.18	1.01							Secure	Secure	Secure
September	18	7:10	AF			Good					1.18	1.01							Secure	Secure	Secure
September	18	7:35	Af			Good					1.32	1.01							Secure	Secure	Secure
September	22	10:30	Af			Good					0.46	1.01							Secure	Secure	Secure
September	23	13:00	SF			Good					0.44	1.01							Secure	Secure	Secure
September	24	8:15	Af			Good					0.71	1.01							Secure	Secure	Secure
September	25	7:40AM	SF			Good					0.23	1.01							Secure	Secure	Secure
September	26	7:40	Af			Good					0.32	1.01							Secure	Secure	Secure
September	29	7:30	SF			Good					0.71	1.62							Secure	Secure	Secure

Main Lift Station 2025																					
Inspection				Total Volume m3		Low Lift Pump #1		Low Lift Pump #2		Low Lift Pump #3		Odor Control Fan		Drum Screen #1		Drum Screen #2		Auger Press #1		Auger Press #2	
Month	Date	Time	Op	Total	Demand	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time
October	1st	9:18AM	RT	308067	2387.9	4540	2.59	4485	2.55	4410	2.46	455651		16143.1		16162.4		858		862.5	
October	2	7:40	Af	310251	2392.17	4542	2.61	4488	2.59	4413	2.52	45587.3	24	16151.4	8.3	16170.7	8.3	858.4	0.4	862.9	0.4
October	3	8:00	SF	312830	2579.55	4545	2.82	4490	2.66	4415	2.61	45611.7	24	16161	9.6	16180.2	9.5	858.9	0.5	863.5	0.6
October	6	8:00	Af	320030	2362.1	4553	2.57	4498	2.55	4422	2.48	45683.8	24	16188.2	27.2	16207.5	27.3	860.4	1.5	864.9	1.4
October	7	8:00AM	MM	322486	2440.05	4555	2.64	4500	2.56	4425	2.5	45707.7	24	16197.3	9.1	16216.6	9.1	860.8	0.4	865.4	0.5
October	8	8:10	Af	324788	2353.89	4558	2.55	4503	2.49	4427	2.36	45731.8	24	16206	8.7	16225.3	8.7	861.3	0.5	865.9	0.5
October	9	6:15	SF	326768	2163.35	4560	2.35	4505	2.27	4429	2.2	45754	24	16213.7	7.7	16233	7.7	861.7	0.4	866.3	0.4
October	10	7:07AM	RT	329273	2398	4563	2.6	4507	2.53	4432	2.49	45779	24	16223	9.3	16242	9	862.2	0.5	866.8	0.5
October	13	12:33PM	RT	336952	2283.7	4571	2.46	4515	2.43	4439	2.39	458563	24	16252	29	16271.3	29.3	865.8	3.6	868.3	2.5
October	14	7:30AM	SN	338577	2350.69	4572	2.46	4517	2.44	4441	2.48	458755	24	16258.5		864.1		864.1		868.7	0.4
October	15	10:46AM	SN	341248	2271.3	4575	2.41	4519	2.42	4444	2.46	459025	24	16268.5	10	864.6	0.5	869.2	5.1	869.2	0.5
October	16	9:08AM	RT	343261	2235	4577	2.46	4522	2.37	4446	2.34	459249	24	16276.2	7.7	16295.5		865.1		869.6	0.4
October	17	8:30AM	RT	345331	2134.36	4579	2.3	4524	2.27	4448	2.29	459482	24	16284.1	7.9	16303.4	7.9	865.5	0.4	870.1	0.5
October	20	8:00	AF	351592	2172.6	4586	2.39	4530	2.33	4455	2.31	46019.7	24	16308.4	24.3	16327.7	24.3	866.8	1.3	871.4	1.3
October	21	7:07AM	RT	353856	2311.6	4588	2.47	4533	2.49	4457	2.4	46042.8	24	16316.9	8.5	16336.2	8.5	867.2	0.4	871.8	0.4
October	22	8:33PM	RT	356428	2417.7	4591	2.6	4535	2.57	4460	2.5	46068	24	16326.6	9.7	16345.9	9.7	867.7	0.5	872.3	0.5
October	23	7:45	af	358983	2582.52	4594	2.78	4538	2.71	4462	2.6	46091.8	24	16336.2	9.6	16355.4	9.5	868.3	0.6	872.8	0.5
October	24	8:00	Af	361471	2482.42	4596	2.74	4540	2.6	4465	2.57	46115.7	24	16345.4	9.2	16364.7	9.3	868.7	0.4	873.3	0.5
October	27	7:00	Af	368303	2287.49	4604	2.43	4548	2.49	4471	2.43	46186.8	24	16371.4	26	16390.6	25.9	870.1	1.4	874.7	1.4
October	28	7:45AM	SN	370597	2211.65	4606	2.39	4550	2.33	4474	2.31	462119	24	16380.2	8.8	16399.4	8.8	870.6	0.5	875.2	0.5
October	28	10:40AM	SN	373668	2570.21	4609	2.71	4553	2.77	4477	2.59	462384	24	16391.8	11.6	16411.1	11.7	871.2	0.6	875.8	0.6
October	30	11:22AM	RT	375928	2346.45	4612	2.55	4556	2.55	4479	2.46	46263.1	24	16400.4	8.6	16419.7	8.6	871.7	0.5	876.3	0.5
October	31	9:35AM	RT	377815	2122.72	4614	2.31	4558	2.29	4481	2.2	462853	24	16407.9	7.5	16427.2	7.5	872.1	0.4	876.7	0.4

Main Lift Station 2025																							
Inspection				High Lift Pump #1		High Lift Pump #2		High Lift Pump #3		Bypass Pump #1		Bypass Pump #2		Room Temperatures					H2S/LEL Levels				
Month	Date	Time	Op	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time	Odor Control	Screen	High Lift	Electrical	Mechanical	Odor Control	Screen	High Lift	Electrical	Mechanical
October	1st	9:18AM	RT	4300		4636	6.9	3380		13		11		23	24	22	22	22		0/0			
October	2	7:40	Af	4300		4641	6.9	3380		13		11		21.3	18.8	23.2	21	22.3		3.9/0.1	0/0		
October	3	8:00	SF	4300	0	4649	7.55	3380	0	13	0	11	0	18.9	16.1	22.7	21.4	21.7		2.2/0.1	0/0		
October	6	8:00	Af	4300		4669	6.88	3380		13		11		18.6	15.7	21.3	21.5	21		0.5/0.1	0/0		
October	7	8:00AM	MM	4300	0	4676	7.18	3380	0	13		11		18.5	13.5	21.4	21.7	20.8		0/0.1	0/0		
October	8	8:10	Af	4300		4683	6.91	3380		13		11		19.1	16.4	21.5	21	21		0/0.1	0/0		
October	9	6:15	SF	4300	0	4688	6.39	3380	0	13	0	11	0	19.8	17.3	21.6	21.8	21.1		0/0.1	0/0		
October	10	7:07AM	RT	4300		4696	7	3380		13		11		20.1	17.5	22.1	21.1	21.4		0/01	0/0		
October	13	12:33PM	RT	4300		4718	6.88	3380		13		11		17.6	14.9	20.9	20	21.5		0.0/0.1	0/0		
October	14	7:30AM	SN	4300	0	4723	7.01	3380	0	13	0	11	0	11.7	14.6	19.1	20.8	19.6		0.0/0.0	0/0		
October	15	10:46AM	SN	4300		4730	6.69	3380		13	0	11	0	12.5	18	19	21.4	19		0.0/0.0	0/0		
October	16	9:08AM	RT	4300	0	4736	6.57	3380		13	0	11	0	14.4	11.4	18.8	18.8	21.5		0/0	0/0		
October	17	8:30AM	RT	4300	0	4742	6.34	3380	0	13	0	11	0	14.7	12.2	19	18.9	21.5		0/0	0/0		
October	20	8:00	AF	4300		4761	6.6	3380		13		11		13.4	11.2	17.4	21	18.7		0/0	0/0		
October	21	7:07AM	RT	4300		4768	7.25	3380		13		11		13.2	10.3	17.4	18.5	21		0/0	0/0		
October	22	8:33PM	RT	4300		4775	7.59	3380		13		11		13.1	10.5	17.6	21	18.4		0/0	0/0		
October	23	7:45	af	4300		4783	7.77	3380		13		11		14.2	11.7	18.5	21.3	18.6		0/0	0/0		
October	24	8:00	Af	4300		4790	7.41	3380		13		11		15.7	13.7	18.8	21.6	19		0/0	0/0		
October	27	7:00	Af	4300		4810	6.83	3380		13		11		12.8	10.5	17.2	20.9	18.4		0/0	0/0		
October	28	7:45AM	SN	4300		4817	6.66	3380		13		11		9	12	16.5	19.5	18		0/0	0/0		
October	28	10:40AM	SN	4300		4826	7.65	3380		13		11		14.3	12.1	17	20.8	17.7		0/0	0/0		
October	30	11:22AM	RT	4300		4832	6.96	3380		13		11		14.7	11.4	17.1	20	18.3		0/0	0/0		
October	31	9:35AM	RT	4300		4838	6.27	3380		13		11		14.3	11.5	16.9	20.3	17.1		0/0	0/0		

Main Lift Station 2025																							
Inspection				Low Lift		High Lift		Low Lift Pump #1		Low Lift Pump #2		Low Lift Pump #3		Odor Control Room						Drum Screen #1 Bearings			
Month	Date	Time	Op	Well %	Well %	PSI	LPS	Amps	Hz	Amps	Hz	Amps	Hz	Amps	Hz	Fan Diff. PSI	Media Diff. P	Bearings Temp	Grease	Temp	Grease	Amps	Hz
October	1st	9:18AM	RT	1.28	1.62	97										2	3	26/28	Good	23/24	Good		
October	2	7:40	AF	1.48	1.35	97										2	3	23/25	Good	19/17	Good		
October	3	8:00	SF	0.92	0.88	97	109					20	55			2	3	21/24	Good	16/14	Good		
October	6	8:00	AF	1.78	1.44	109	98					20	55			1.9	2.9	21/23	Good	17/15	Good		
October	7	8:00AM	MM	0.77	1.3	96	0									1.9	3	21/27	Good	15/17	Good		
October	8	8:10	AF	0.74	1.29	97	0									1.9	3	21/23	Good	18/16	Good		
October	9	6:15	SF	1.04	1.49	109	99	19	55							1.9	3	22/25	Good	18/16	Good		
October	10	7:07AM	RT	1.75	0.6	97	98			20	55	20	55			1.9	3	24/20	Good	16/17	Good		
October	13	12:33PM	RT	1.44	1.01	109	95	19.5	55							1.9	3	18/23	Good	18/19	Good		
October	14	7:30AM	SN	1.06	0.98	97	0									2	3	18/14	Good	13/13	Good		
October	15	10:46AM	SN	0.89	0.79	109	97									2	3	19/16	Good	14/13	Good		
October	16	9:08AM	RT	1.31	0.67	100				20	55					2	3	20/15	Good	14/14	Good		
October	17	8:30AM	RT	0.79	0.99	109	96	19	55							2	3	20/15	Good	16/16	Good		
October	20	8:00	AF	1.48	1.44	109	96									2	3	17/18	Good	14/14	Good		
October	21	7:07AM	RT	0.98	1.58	97										2	3	18/13	Good	11-Oct	Good		
October	22	8:33PM	RT	0.89	1.82	97	109	19	55							2	3	19-Dec	Good	13-Dec	Good		
October	23	7:45	af	0.96	1.09	110	96	19	55							2	3	18/18	Good	13/13	Good		
October	24	8:00	AF	1.32	0.6	97										2	3	20/18	Good	15/15	Good		
October	27	7:00	AF	1.48	0.65	97		19	55							2	3	16/17	Good	13/13	Good		
October	28	7:45AM	SN	0.87	0.9	97										2	2.9	20/17	Good	13/13	Good		
October	28	10:40AM	SN	1.26	1.61	97										2	2.9	20/17	Good	14/13.7	Good		
October	30	11:22AM	RT	1.53	17.1	0										2	3	23/16	Good	15/15	Good		
October	31	9:35AM	RT	1.31	0.85	95										1.9	3	20/15	Good	14/13	Good		

Main Lift Station 2025																					
Inspection				Drum Screen #2 Bearings				Flush	Clean	Verticle Turbine Pump #1						Verticle Turbine Pump #2					
Month	Date	Time	Op	Temp	Grease	Amps	Hz	Trough	Screens	Bearing C (1)	Low Bearing C (3+4)	Packing	Vibration	Amps	Hz	Bearing C (1)	Bearing C	Packing	Vibration	Amps	Hz
October	1st	9:18AM	RT	23/21	Good			Yes	Yes			Good				35/34	35/35	Good	Good	148	59
October	2	7:40	AF	19/17	Good			Yes	Yes			Good						Good			
October	3	8:00	SF	17/16	Good			Yes	Yes			Good	Yes			28/27	37/37	Good	Good	146	59
October	6	8:00	AF	17/15	Good			Yes	Yes			Good				29/28	28/36	Good	Good	143	59
October	7	8:00AM	MM	17/16	Good			Yes	Yes			Good						Good			
October	8	8:10	AF	18/16	Good			Yes	Yes			Good						Good			
October	9	6:15	SF	18/17	Good			Yes	Yes			Good				30/26	33/34	Good	Good	140	59
October	10	7:07AM	RT	18/16	Good			Yes	Yes			Good				30/29	34/35	Good	Good	140	59
October	13	12:33PM	RT	18/18	Good			Yes	Yes			Good				30/28	45/45	Good	Good	145	59
October	14	7:30AM	SN	13/13	Good			Yes	Yes							29/28	42/44	Good	Good	138	52
October	15	10:46AM	SN	14/15	Good			Yes	Yes												
October	16	9:08AM	RT	13/13	Good			Yes	Yes												
October	17	8:30AM	RT	14/14	Good			Yes	Yes			Good				26/29	34/34	Good	Good	142	59
October	20	8:00	AF	13/14	Good			Yes	Yes			Good				23/22	29/29	Good	Good	146	59
October	21	7:07AM	RT	12-Dec	Good			Yes	Yes												
October	22	8:33PM	RT	11-Dec	Good			Yes	Yes							25/24	32/32	Good	Good	143	59
October	23	7:45	af	14/14	Good			Yes	Yes			Good				25/23	33/33	Good	Good	144	60
October	24	8:00	AF	15/15	Good			Yes	Yes			Good						Good			
October	27	7:00	AF	13/13	Good			Yes	Yes			Good						Good			
October	28	7:45AM	SN	14/13	Good			Yes	Yes												
October	28	10:40AM	SN	13/14	Good			Yes	Yes												
October	30	11:22AM	RT	15/14	Good																
October	31	9:35AM	RT	13/13	Good			Yes	Yes			Good				24/22	32/31	Good	Good	142	59

Main Lift Station 2025																					
Inspection				Verticle Turbine Pump #3						Mechanical Room		High Lift Bypass			Bypass Pump #1		Bypass Pump #2		Security		
Month	Date	Time	Op	Up Bearing C (1+2)	Low Bearing C (3+4)	Packing	Vibration	Amps	Hz	NTU	Residual	Well %	PSI	GPM	Amps	Hz	Amps	Hz	Doors	Gates	Hatches
October	1st	9:18AM	RT			Good				0.33	0.8	1.62							Secure	Secure	Secure
October	2	7:40	AF			Good					0.92	1.62							Secure	Secure	Secure
October	3	8:00	SF			Good					0.74	1.61							Secure	Secure	Secure
October	6	8:00	AF			Good					0.86	1.62							Secure	Secure	Secure
October	7	8:00AM	MM			Good					1	1.5							Secure	Secure	Secure
October	8	8:10	AF			Good					0.79	1.62							Secure	Secure	Secure
October	9	6:15	SF			Good					0.92	1.62							Secure	Secure	Secure
October	10	7:07AM	RT			Good					0.9	1.61							Secure	Secure	Secure
October	13	12:33PM	RT			Good					0.49	1.62							Secure	Secure	Secure
October	14	7:30AM	SN								0.72	1.61							Secure	Secure	Secure
October	15	10:46AM	SN								1.06	1.62							Secure	Secure	Secure
October	16	9:08AM	RT								0.82	1.61							Secure	Secure	Secure
October	17	8:30AM	RT			Good					0.81	1.61							Secure	Secure	Secure
October	20	8:00	AF			Good					0.36	1.61							Secure	Secure	Secure
October	21	7:07AM	RT								0.76	1.61							Secure	Secure	Secure
October	22	8:33PM	RT								0.92	1.61							Secure	Secure	Secure
October	23	7:45	af			Good					0.69	1.61							Secure	Secure	Secure
October	24	8:00	AF			Good					1.25	1.61							Secure	Secure	Secure
October	27	7:00	AF			Good					0.4	1.61							Secure	Secure	Secure
October	28	7:45AM	SN								0.55	1.61							Secure	Secure	Secure
October	28	10:40AM	SN								0.44	1.62							Secure	Secure	Secure
October	30	11:22AM	RT								0.47	1.62							Secure	Secure	Secure
October	31	9:35AM	RT								0.57	1.62							Secure	Secure	Secure

Main Lift Station 2025																					
Inspection				Total Volume m3		Low Lift Pump #1		Low Lift Pump #2		Low Lift Pump #3		Odor Control Fan		Drum Screen #1		Drum Screen #2		Auger Press #1		Auger Press #2	
Month	Date	Time	Op	Total	Demand	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time
November	3	8:30	SF	384236	2077.74	4621	2.29	4564	2.24	4488	2.2	46357.3	24	16432.6	24.7	16451.9	24.7	873.4	1.3	878	1.3
November	4	7:00AM	SN	386101	2069.11	4623	2.25	4566	2.14	4490	2.14	463796	24	16439.9	7.3	16459.2	7.3	873.8	0.4	878.4	0.4
November	5	7:35	SF	388234	2063.11	4625	2.24	4568	2.21	4492	2.16	46404.5	24	16448.2	8.3	16467.5	8.3	874.2	0.4	878.8	0.4
November	6	8:00	SF	390389	2116.74	4627	2.31	4571	2.24	4494	2.26	46428.8	24	16456.5	8.3	16475.8	8.3	874.6	0.4	879.2	0.4
November	7	7:45	SF	392543	2117.19	4629	2.3	4573	2.21	4496	2.23	46452.3	24	16464.8	8.3	16484.1	8.3	875.1	0.5	879.7	0.5
November	10	8:10	Af	398919	2091.14	4636	2.25	4580	2.31	4503	2.19	46524.9	24	16489.5	24.7	16508.8	24.7	876.4	1.3	881	1.3
November	12	7:50	SF	403174	2032.37	4641	2.22	4584	2.18	4507	2.12	46572.6	24	16505.6	16.1	16524.9	16.1	877.3	0.9	881.9	0.9
November	13	13:00	SF	406040	2214.32	4644	2.41	4587	2.31	4510	2.27	46601.7	24	16516.4	10.8	16535.7	10.8	877.8	0.5	882.4	0.5
November	14	10:45	SF	407878	2138.24	4646	2.3	4589	2.21	4512	2.3	46623.5	24	16523.6	7.2	16542.9	7.2	878.2	0.4	882.8	0.4
November	17	7:45AM	RT	413614	2046.86	4652	2.21	4595	2.16	4518	2.09	46692.5	24	16545.8	22.2	16565.1	22.2	879.4	1.2	884	1.2
November	18	10:25	Af	416280	2060.54	4654	2.25	4598	2.13	4520	2.2	46719.1	24	16556.1	10.3	16575.4	10.3	879.9	0.5	884.6	0.6
November	19	11:24AM	SN	418463	2308.22	4657	2.52	4600	2.43	4523	2.4	467441	24	16564.5	8.4	16585.8	10.4	880.4	0.5	885	0.4
November	20	8:45AM	RT	420141	2015.8	4659	2.2	4602	2.12	4524	2.15	46765.5	24	16571.2	6.7	16590.5	4.7	880.7	0.3	885.4	0.4
November	21	7:59AM	RT	422069	2057.78	4661	2.22	4604	2.11	4526	2.12	46788.7	24	16578.7	7.5	16598	7.5	881.1	0.4	885.8	0.4
November	24	8:15AM	RT	428245	1993.3	4667	2.21	4610	2.13	4532	2.12	46861	24	16602.5	23.8	16621.8	23.8	882.4	1.3	887	1.2
November	25	8:01AM	RT	430055	1945.47	4669	2.04	4612	2.08	4534	1.96	46884.7	24	16609.5	7	16628.8	7	882.8	0.4	887.4	0.4
November	26	8:09	RT	431834	1758	4671	1.95	4614	1.88	4536	1.88	46908.9	24	16616.6	7.1	16635.9	7.1	883.1	0.3	887.8	0.4
November	27	8:45	Af	433587	1736	4673	1.86	4616	1.85	4538	1.81	46933.4	24	16623.6	7	16642.9	7	883.5	0.4	888.1	0.3
November	28	8:00	Af	435373	1818.53	4675	1.93	4617	1.93	4540	1.89	46956.7	24	16630.6	7	16649.8	6.9	883.9	0.4	888.5	0.4

Main Lift Station 2025																							
Inspection				High Lift Pump #1		High Lift Pump #2		High Lift Pump #3		Bypass Pump #1		Bypass Pump #2		Room Temperatures					H2S/LEL Levels				
Month	Date	Time	Op	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time	Odor Control	Screen	High Lift	Electrical	Mechanical	Odor Control	Screen	High Lift	Electrical	Mechanical
November	3	8:30	SF	4300	0	4856	6.1	3380	0	13	0	11	0	13.5	10.6	16	19.8	17		0/0	0/2.8		
November	4	7:00AM	SN	4300	0	4862	6.1	3380	0	13	0	11	0	13.1	11.4	15.7	19.6	16		0/0	0/2.5		
November	5	7:35	SF	4300	0	4868	6.1	3380	0	13	0	11	0	11.1	14	15.9	19.8	17		0/0	0/2.5		
November	6	8:00	SF	4300	0	4874	6.27	3380	0	13	0	11	0	13.1	15	16.7	20	18		0/0	0/2.6		
November	7	7:45	SF	4300	0	4880	6.24	3380	0	13	0	11	0	13.9	10.9	15.9	20.3	17.4		0/0	0/2.5		
November	10	8:10	Af	4300		4899	6.17	3380		13		11		14.5	11.8	16.4	20	17.1		0/0	0/0		
November	12	7:50	SF	4300	0	4911	5.97	3380	0	13	0	11	0	13.7	10.9	16.6	19.9	16.8		0/0	0/0		
November	13	13:00	SF	4300	0.07	4919	6.29	3381	0.19	13	0	11	0	14.7	12.6	16.7	19.9	17.8		0/0	0/2.5		
November	14	10:45	SF	4300	0	4924	6.26	3381	0	13	0	11	0	14.7	12.2	16.3	20.2	17.3		0/0.1	0/2.9		
November	17	7:45AM	RT	4300	0	494	6	3381	0	13	0	11	0	14.6	12	15.7	17.1	19.9		0/0.1	0/2.9		
November	18	10:25	Af	4300	0	4948	6	3381	0	13	0	11	0	14.2	11.7	15.7	20.3	17.2		0/0	0/2.8		
November	19	11:24AM	SN	4300	0	4955	6.8	3381	0	13	0	11	0	13.6	11.2	15.4	19.8	16.8		0/0	0/2.8		
November	20	8:45AM	RT	4300	0	4959	5.92	3381	0	13	0	11	0	12.9	8.9	14.6	19.4	16.6		0/0	0/2.5		
November	21	7:59AM	RT	4300	0	4965	5.99	3381	0	13	0	11	0	13.1	10.2	14.6	19.1	16.4		0/0	0/2.5		
November	24	8:15AM	RT	4300	0	4975	0.3	3389	5.32	13	0	11	0	12.6	10.4	13.4	18.5	16.9		0/0.1	0/5.9		
November	25	8:01AM	RT	4300	0	4980	5.1	3389	1.22	13	0	11	0	11.8	8.8	13.1	18.6	13.1		0/0	0/2.6		
November	26	8:09	RT	4300	0	4986	5.32	3389	0	13	0	11	0	11	9	12.4	18.3	16.2		0/0	0/3.1		
November	27	8:45	Af	4300		4991	5.2	3389		13		11		10.9	8.9	12.2	18.2	16.5		0/0	0/3.4		
November	28	8:00	Af	4300		4996	5.56	3389		13		11		10.6	8.8	12.3	18.6	17		0/0	0/02.8		

Main Lift Station 2025

Inspection				Low Lift	High Lift			Low Lift Pump #1		Low Lift Pump #2		Low Lift Pump #3		Odor Control Room						Drum Screen #1 Bearings					
Month	Date	Time	Op	Well %	Well %	PSI	LPS	Amps	Hz	Amps	Hz	Amps	Hz	Amps	Hz	Fan Diff.	PSI	Media Diff.	P	Bearings Temp	Grease	Temp	Grease	Amps	Hz
November	3	8:30	SF	1.08	1.37	109	98	20	55									1.9	3	16/20	Good	11./13	Good		
November	4	7:00AM	SN	1.75	0.93	110	98	19	55									1.9	3	19/16	Good	10.5/11	Good		
November	5	7:35	SF	1.06	1.59	106	93					19	55					1.9	3	15/17	Good	9./7	Good		
November	6	8:00	SF	1.03	1.68	110	99			20	55							1.9	3	18/21	Good	15/13	Good		
November	7	7:45	SF	1.33	1.82	110	100			20	55							1.9	3	18/20	Good	12./13	Good		
November	10	8:10	Af	1.11	1.61	110	100											1.9	3	17/19	Good	13/13	Good		
November	12	7:50	SF	0.74	0.89	110	98					19	55					1.8	3	17/19	Good	10./9	Good		
November	13	13:00	SF	1.08	0.93	110	98			20	55							1.9	3	16/17	Good	12./10	Good		
November	14	10:45	SF	1.21	1.41	110	98					20	55					1.8	3	16/18	Good	12./10	Good		
November	17	7:45AM	RT	1.45	15.7	97	0											1.9	3	18/20	Good	13/13	Good		
November	18	10:25	Af	1.57	1.77	97	0											1.9	3	18/20	Good	14/14	Good		
November	19	11:24AM	SN	0.79	1.25	97	0											1.9	3	19/20	Good	13-Dec	Good		
November	20	8:45AM	RT	0.76	0.91	97	100											1.9	3	13/21	Good	13/13	Good		
November	21	7:59AM	RT	1.47	0.81	110	99											1.9	3	16/18	Good	13/13	Good		
November	24	8:15AM	RT	1.72	1.27	96												1.7	3	17/21	Good	14/14	Good		
November	25	8:01AM	RT	0.82	0.92	97												1.7	3	20-Dec	Good	12./12.	Good		
November	26	8:09	RT	0.95	1.54	97	96					20	55					1.8	3	10./18.	Good	12./12.	Good		
November	27	8:45	Af	0.82	1.77	110	99											1.9	3	17/19	Good	12./12	Good		
November	28	8:00	Af	1.2	0.9	110	98					19	55					1.8	3	15/17	Good	12./13	Good		

Main Lift Station 2025

Inspection				Drum Screen #2 Bearings				Flush	Clean	Verticle Turbine Pump #1								Verticle Turbine Pump #2						
Month	Date	Time	Op	Temp	Grease	Amps	Hz	Trough	Screens	Bearing C (1	Low Bearing C (3+4)	Packing	Vibration	Amps	Hz	Bearing C (1	Bearing C	Packing	Vibration	Amps	Hz			
November	3	8:30	SF	13/13	Good			Yes	Yes			Good				21/22	28/28	Adjusted	Good	143	59			
November	4	7:00AM	SN	10.3/10.8	Good			Yes	Yes							23/21	30/28	Good	Good	144	59			
November	5	7:35	SF	9./9	Good			Yes	Yes			Good				23/22	28/28	Good	Good	145	59			
November	6	8:00	SF	15/15	Good			Yes	Yes			Good				25/22	30/28	Good	Good	146	59			
November	7	7:45	SF	14/14	Good			Yes	Yes			Good				24/22	32/31	Good	Good	144	59			
November	10	8:10	Af	14/14	Good			Yes	Yes			Good				24/24	29/29	Good	Good	144	59			
November	12	7:50	SF	11./11	Good			Yes	Yes			Good				24/23	30/30	Good	Good	144	59			
November	13	13:00	SF	13./12	Good			Yes	Yes			Good				26/23	36/37	Good	Good	142	59			
November	14	10:45	SF	12./12	Good			Yes	Yes			Good				26/22	37/36	Good	Good	143	59			
November	17	7:45AM	RT	13/13	Good			Yes	Yes			Good						Good						
November	18	10:25	Af	14/15	Good			Yes	Yes			Good						Good						
November	19	11:24AM	SN	14/13	Good			Yes	Yes															
November	20	8:45AM	RT	12-Dec	Good			Yes	Yes							21/26	32/31	Good	Good	143	59			
November	21	7:59AM	RT	12-Dec	Good			Yes	Yes							21/22	29/29	Good	Good	144	59			
November	24	8:15AM	RT	13/ 13	Good			Yes	Yes							17/17	22/22	Good	Good	130	60			
November	25	8:01AM	RT	12/12.	Good			Yes	Yes							20/20	26/25	Good	Good	140	59			
November	26	8:09	RT	11./11.	Good			Yes	Yes							15/14.	23./24.	Good	Good	144	59			
November	27	8:45	Af	12./12	Good			Yes	Yes							21/19	26/25	Good	Good	144	59			
November	28	8:00	Af	12./13	Good			Yes	Yes									Good		149	59			

Main Lift Station 2025

Inspection				Verticle Turbine Pump #3				Mechanical Room				High Lift Bypass			Bypass Pump #1		Bypass Pump #2		Security		
Month	Date	Time	Op	Up Bearing C (1+2)	Low Bearing C (3+4)	Packing	Vibration	Amps	Hz	NTU	Residual	Well %	PSI	GPM	Amps	Hz	Amps	Hz	Doors	Gates	Hatches
November	3	8:30	SF			Good					0.56	1.61							Secure	Secure	Secure
November	4	7:00AM	SN								0.62	1.61							Secure	Secure	Secure
November	5	7:35	SF			Good					0.33	1.62							Secure	Secure	Secure
November	6	8:00	SF			Good					0.71	1.62							Secure	Secure	Secure
November	7	7:45	SF			Good					0.49	1.62							Secure	Secure	Secure
November	10	8:10	Af			Good					0.57	1.62							Secure	Secure	Secure
November	12	7:50	SF			Good					0.28	1.62							Secure	Secure	Secure
November	13	13:00	SF			Good					0.84	1.62							Secure	Secure	Secure
November	14	10:45	SF			Good					0.87	1.63							Secure	Secure	Secure
November	17	7:45AM	RT								0.39	1.63							Secure	Secure	Secure
November	18	10:25	Af								0.89	1.64							Secure	Secure	Secure
November	19	11:24AM	SN								0.81	1.65							Secure	Secure	Secure
November	20	8:45AM	RT								0.4	1.64							Secure	Secure	Secure
November	21	7:59AM	RT								0.36	1.64							Secure	Secure	Secure
November	24	8:15AM	RT								0.33	1.64							Secure	Secure	Secure
November	25	8:01AM	RT			Good					0.33	1.64							Secure	Secure	Secure
November	26	8:09	RT								0.28	1.64							Secure	Secure	Secure
November	27	8:45	Af								1.14	1.64							Secure	Secure	Secure
November	28	8:00	Af								0.54	1.64							Secure	Secure	Secure

Main Lift Station 2025																					
Inspection				Total Volume m3		Low Lift Pump #1		Low Lift Pump #2		Low Lift Pump #3		Odor Control Fan		Drum Screen #1		Drum Screen #2		Auger Press #1		Auger Press #2	
Month	Date	Time	Op	Total	Demand	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time
December	1	8:40	Af	440786	1773.47	4680	1.87	4623	1.9	4545	1.84	47029.4	24	16651.7		16671		885		889.6	
December	2	8:40AM	RT	442627	1798.22	4683	1.98	4625	1.95	4547	1.93	47053.5	24	16658.8	7.1	16678.1	7	885.4	0.4	890	0.4
December	3	11:24AM	MM	444627	1749.89	4684	1.89	4627	1.92	4549	1.82	47080.2	24	16666.8	8	16686.1	8	885.8	0.4	890.4	0.4
December	4	9:05	Af	446325	1865.4	4686	2.02	4629	1.94	4551	1.89	47101.8	24	16673.5	6.7	16692.8	6.7	886.1	0.3	890.8	0.4
December	5	7:35	Af	448148	1972.87	4688	2.16	4631	2.09	4553	2.09	47124.6	24	16680.6	7.1	16699.9	7.1	886.5	0.4	891.2	0.4
December	6	12:48	SF	454053	1941.21	4694	2.08	4637	2.05	4559	2.04	47196.7	24	16703.6	23	16722.9	23	887.7	1.2	892.4	1.2
December	9	10:30	RT	456247	1902.1	4697	2.11	4639	2.01	4561	1.97	47223.2	24	16712.1	8.5	16731.4	8.5	888.2	0.5	892.9	0.5
December	10	9:21	RT	458201	1966	4699	2.12	4641	2.16	4563	2.05	47245.1	24	16719.6	7.5	16739	7.6	888.6	0.4	893.5	0.6
December	11	8:00	SF	460074	2079.9	4701	2.26	4643	2.13	4565	2.21	47268.7	24	16727	7.4	16746.4	7.4	889	0.4	893.6	0.1
December	12	7:40	Af	462042	2050.35	4703	2.15	4645	2.24	4567	2.11	47292.4	24	16734.7	7.7	16754	7.6	889.4	0.4	894.1	0.5
December	15	7:15	SF	467694	1880.76	4709	2.07	4651	2.05	4573	2.02	47363.9	24	16757	22.3	16776.3	22.3	890.6	1.2	895.2	1.1
December	16	12:48	SN	470217	1908.33	4712	2.04	4654	2.03	4575	1.95	473935	24	16766.7	9.7	16786	9.7	891.1	0.5	895.8	0.6
December	17	1:02AM	RT	472316	1982.14	4714	2.14	4656	2.07	4577	2.11	47417.8	24	16774.8	8.1	16794.1	8.1	891.5	0.4	896.2	0.4
December	18	6:40	Af	473621	2048.68	4715	2.25	4657	2.17	4579	2.11	47435.4	24	16780	5.2	16799.3	5.2	891.8	0.3	896.4	0.2
December	19	9:05AM	SN	475729	1893.1	4717	2	4659	2.05	4581	1.99	47461.9	24	16788.2	8.2	16807.5	8.2	892.2	0.4	896.9	0.5
December	22	7:33AM	RT	481321	1985.58	4723	2.16	4665	2.09	4587	2.09	47532.4	24	16810.1	21.9	16829.4	21.9	893.4	1.2	898	1.1
December	23	7:34AM	RT	483096	1832.19	4725	1.98	4667	1.89	4589	1.89	47556.3	24	16817.2	7.1	16836.5	7.1	893.7	0.3	898.4	0.4
December	24	7:45	SF	484863	1822.77	4727	1.98	4669	1.98	4590	1.95	47580.3	24	16824.1	6.9	16843.4	6.9	894.1	0.4	898.8	0.4
December	26	11:45AM	SN	488616	1639.3	4731	1.75	4773	1.75	4594	1.74	476323	24	16858.8	34.7	16858.1	14.7	894.9	0.7	899.6	0.8
December	29	11:02AM	MM	493548	1661.1	4736	1.84	4678	1.75	4599	1.74	47703.8	24	16858.3		16877.6	19.5	895.9	1	900.6	1
December	30	8:29AM	MM	495075	1721.29	4738	1.9	4679	1.86	4601	1.86	47725.2	24	16864.2	5.9	16883.5	5.9	896.2	0.3	900.9	0.3
December	31	11:20AM	SN	497172	1852.18	4740	1.94	4682	1.92	4603	1.89	477520	24	16872.5	8.3	16891.6	8.1	896.6	0.4	901.3	0.4

Main Lift Station 2025																							
Inspection				High Lift Pump #1		High Lift Pump #2		High Lift Pump #3		Bypass Pump #1		Bypass Pump #2		Room Temperatures					H2S/LEL Levels				
Month	Date	Time	Op	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time	Total Hours	Run Time	Odor Control	Screen	High Lift	Electrical	Mechanical	Odor Control	Screen	High Lift	Electrical	Mechanical
December	1	8:40	Af	4300	0	5012	5.23	3289	0	13	0	11	0	17	13.7	13.4	21.2	17.4		0/0	0/3.8		
December	2	8:40AM	RT	4300	0	5017	5.26	3389	0	13	0	11	0	17	13.3	13.4	21.4	17.6		0/0	0/4.3		
December	3	11:24AM	MM	4300	0	5023	5.2	3389	0	13	0	11	0	17	14	14	21	17.5		0/0	0.1/4.3		
December	4	9:05	Af	4300		5028	5.6	3389	0	13	0	11	0	17.3	14	13.8	21	19.8		0/0	0/4		
December	5	7:35	SF			5033	5.77	3389	0	13	0	11	0	17	13.7	12.9	21.2	18		0/0	0/4.1		
December	6	12:48	SF	4300	0	5050	5.72	3389	0	13	0	11	0	18.7	15.2	14.4	21.1	17.7		0/0.1	0/4.4		
December	9	10:30	RT	4300	0	5057	5.59	3389	0	13	0	11	0	19.8	15.8	15.7	21.1	18.1		0/0.1	0/3.4		
December	10	9:21	RT	4300		5062	5.75	3389	0	13	0	11	0	20	16.3	16.1	17.8	21.1		0/0.1	0/3.5		
December	11	8:00	SF	4300	0	5067	6.04	3389	0	13	0	11	0	20.4	16.3	16.4	21.2	17.9		0/0.1	0/3.5		
December	12	7:40	Af	4300		5073	5.99	3389		13		11		20.6	16.4	16.1	20.8	17.8		0/0	0/3.5		
December	15	7:15	SF	4300	0	5089	5.51	3389	0	13	0	11	0	20.7	17.4	16	20.9	18.2		0/0.1	0/3.5		
December	16	12:48	SN	4300		5093	5.59	3389	0	13	0	11	0	21	17.3	16.4	21	18.8		0/0.1	0/3.5		
December	17	1:02AM	RT	4300		5102	5.82	3389		13	0	11	0	22.6	18.5	17.6	21.5	17.9		0/0.1	0/2.5		
December	18	6:40	Af	4300		5106	6.01	3389		13		11		21	16.4	16.2	20.8	17.6		0/0.1	0/2.5		
December	19	9:05AM	SN	4300		5112	5.56	3389	0	13	0	11	0	18.2	15	14.9	21.2	18.2		0/0	0/2.5		
December	22	7:33AM	RT	4300		5128	5.87	3389		13	0	11	0	18.8	15.2	14.7	22.2	17.9		0/0	0/2.9		
December	23	7:34AM	RT	4300		5133	5.36	3389		13		11		18.7	13.7	14.5	20.7	18					
December	24	7:45	SF	4300	0	5138	5.3	3389	0	13	0	11	0	18.5	14.7	14.4	21	17.5		0/0.1	0/3.4		
December	26	11:45AM	SN	4300		5419	4.79	3389	0	13	0	11	0	17.6	15.3	13.9	20.8	17.6		0/0	0/5.3		
December	29	11:02AM	MM	4300	0	5163	4.8	3389	0	13	0	11	0	15.2	12	9.4	17	20		0/0	0/3.5		
December	30	8:29AM	MM	4300	0	5167	5	3389	0	13	0	11	0	14.7	10.4	9.2	20.2	17.5		0/0	0/3.8		
December	31	11:20AM	SN	4300		5173	5.38	3289	0	13	0	11	0	12.9	10.3	11.2	20.5	17.5		0/0	0/3.5		

Main Lift Station 2025																							
Inspection				Low Lift		High Lift		Low Lift Pump #1		Low Lift Pump #2		Low Lift Pump #3		Odor Control Room						Drum Screen #1 Bearings			
Month	Date	Time	Op	Well %	Well %	PSI	LPS	Amps	Hz	Amps	Hz	Amps	Hz	Amps	Hz	Fan Diff. PSI	Media Diff. P	Bearings Temp	Grease	Temp	Grease	Amps	Hz
December	1	8:40	Af	1.38	0.95	97	0									1.8	3	17/20	Good	13./12	Good		
December	2	8:40AM	RT	0.78	0.83	109	96									1.8	3	15/20	Good	12./12	Good		
December	3	11:24AM	MM	0.89	0.93	97	0									1.8	3	19/21	Good	13/14	Good		
December	4	9:05	Af	1.48	1	97										1.8	3	18/19	Good	12./12	Good		
December	5	7:35	Af	1.49	1.58	97										1.8	3	18/21	Good	11./10	Good		
December	6	12:48	SF	1.09	1.58	110	98									1.8	3	20/22	Good	13./13	Good		
December	9	10:30	RT	1.1	0.71	110	98									1.8	3	24/18	Good	15./15	Good		
December	10	9:21	RT	1.2	0.94	97										1.7	3	19/23	Good	13./15	Good		
December	11	8:00	SF	0.83	0.96	110	99			20	55					1.7	3	21/25	Good	15./13	Good		
December	12	7:40	Af	1.53	1.25	97	0									1.7	3.1	19/21	Good	15/13	Good		
December	15	7:15	SF	1.73	1.78	110	99					20	55			1.7	3.1	20/24	Good	14./13	Good		
December	16	12:48	SN	1.44	1.29	97	0									1.7	3.1	21/22	Good	1515	Good		
December	17	1:02AM	RT	0.86	1.26	98										1.7	3	30/28	Good	18/15.	Good		
December	18	6:40	Af	1.59	1.18	97	0									1.7	3	28/19	Good	11./13	Good		
December	19	9:05AM	SN	1.27	1.02	97										1.7	3	26/22	Good	11./11	Good		
December	22	7:33AM	RT	1.36	1.23	110	100	20	55			20	55			1.7	3	21/16	Good	13/12.	Good		
December	23	7:34AM	RT					20	55														
December	24	7:45	SF	1.75	0.94	97	100	20	55			20	55			1.7	3	20\24	Good	13./12	Good		
December	26	11:45AM	SN	0.77	1.22	97										1.7	3	24/18	Good	8./8	Good		
December	29	11:02AM	MM	1.71	1.64	110		19.6	55							1.7	3	21/16	Added Shot	9\10	Good		
December	30	8:29AM	MM	1.84	1.63	97	0	19.9	55							1.7	3	21/36	Good	9\9	Added Shot		
December	31	11:20AM	SN	1.08	0.91	97										1.7	3	20/19	Good	9.3/9.6	Good		

Main Lift Station 2025																						
Inspection				Drum Screen #2 Bearings				Flush	Clean	Verticle Turbine Pump #1							Verticle Turbine Pump #2					
Month	Date	Time	Op	Temp	Grease	Amps	Hz	Trough	Screens	Bearing C (1	Low Bearing C (3+4)	Packing	Vibration	Amps	Hz	Bearing C (1	Bearing C	Packing	Vibration	Amps	Hz	
December	1	8:40	Af	13./12	Good			Yes	Yes									Good				
December	2	8:40AM	RT	13./13	Good			Yes	Yes							20/21	26/27	Good	Good	148		
December	3	11:24AM	MM	13-14	Good			Yes	Yes									Good				
December	4	9:05	Af	12./13	Good			Yes	Yes									Good				
December	5	7:35	Af	11./10	Good			Yes	Yes									Good				
December	6	12:48	SF	13./12	Good			Yes	Yes							24/20	30/30	Good	Good	144	59	
December	9	10:30	RT	14./14	Good			Yes	Yes							24/22	33/36	Good	Good	144	59	
December	10	9:21	RT	15/15.	Good			Yes	Yes													
December	11	8:00	SF	15./13	Good			Yes	Yes							25/23	33/33	Good	Good	149	59	
December	12	7:40	Af	15/13	Good			Yes	Yes									Good				
December	15	7:15	SF	15./13	Good			Yes	Yes							26/23	29/29	Good	Good	139	59	
December	16	12:48	SN	15/14	Good			Yes	Yes													
December	17	1:02AM	RT	18/14.	Good			Yes	Yes													
December	18	6:40	Af	12./14	Good			Yes	Yes									Good				
December	19	9:05AM	SN	11./12	Good			Yes	Yes													
December	22	7:33AM	RT	12/11.	Good			Yes	Yes							23/22	25/26	Good	Good	142	59	
December	23	7:34AM	RT													21/21	25/25	Good	Good	142	59	
December	24	7:45	SF	12./12	Good			Yes	Yes							21/18	24/25	Good	Good	143	59	
December	26	11:45AM	SN	8./11	Good			Yes	Yes													
December	29	11:02AM	MM	9\9	Good			Yes	Yes									Good				
December	30	8:29AM	MM	9\9	Added Shot			Yes	Yes									Good				
December	31	11:20AM	SN	8.7/9.1	Good			Yes	Yes													

Main Lift Station 2025																					
Inspection				Verticle Turbine Pump #3						Mechanical Room		High Lift Bypass			Bypass Pump #1		Bypass Pump #2		Security		
Month	Date	Time	Op	Up Bearing C (1+2)	Low Bearing C (3+4)	Packing	Vibration	Amps	Hz	NTU	Residual	Well %	PSI	GPM	Amps	Hz	Amps	Hz	Doors	Gates	Hatches
December	1	8:40	Af			Good					0.65	1.63							Secure	Secure	Secure
December	2	8:40AM	RT								0.54	1.64							Secure	Secure	Secure
December	3	11:24AM	MM			Good					0.43	1.24							Secure	Secure	Secure
December	4	9:05	Af			Good					0.45	1.64							Secure	Secure	Secure
December	5	7:35	Af			Good					0.61	1.64							Secure	Secure	Secure
December	6	12:48	SF			Good					0.41	1.64							Secure	Secure	Secure
December	9	10:30	RT			Good					0.36	1.64							Secure	Secure	Secure
December	10	9:21	RT								1.01	1.64									
December	11	8:00	SF			Good					1.07	1.64							Secure	Secure	Secure
December	12	7:40	Af			Good					1.11	1.64							Secure	Secure	Secure
December	15	7:15	SF			Good					1.28	1.64							Secure	Secure	Secure
December	16	12:48	SN								1.05	1.64							Secure	Secure	Secure
December	17	1:02AM	RT			Good					0.92										
December	18	6:40	Af			Good					0.87	1.64							Secure	Secure	Secure
December	19	9:05AM	SN								0.85	1.64							Secure	Secure	Secure
December	22	7:33AM	RT								0.44	1.64							Secure	Secure	Secure
December	23	7:34AM	RT								0.79	1.64							Secure	Secure	Secure
December	24	7:45	SF			Good					0.74	1.63							Secure	Secure	Secure
December	26	11:45AM	SN								0.49	1.64							Secure	Secure	Secure
December	29	11:02AM	MM			Good					0.5	1.64							Secure	Secure	Secure
December	30	8:29AM	MM			Good					0.47	1.64							Secure	Secure	Secure
December	31	11:20AM	SN								0.59	0.59							Secure	Secure	Secure

APPENDIX B

Operational Certificate No. ME-12214

December 18, 1998

File: 76750-40/ME-12214(01)
PE-00086(02)

REGISTERED MAIL

Town of Osoyoos
PO Box 3010
Osoyoos BC V0H 1V0

Dear Ms. Elsie Lemke:

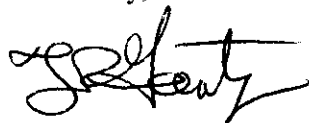
Enclosed is Operational Certificate ME-12214 issued under the provisions of the *Waste Management Act*. This Operational Certificate supercedes Permit PE-86 which is hereby cancelled in accordance with Section 18(12) of the *Waste Management Act*. Your attention is respectfully directed to the terms and conditions outlined in the Operational Certificate. An annual fee will be determined according to the *Waste Management Permit Fees Regulation*.

This Operational Certificate does not authorize entry upon, crossing over, or use for any purpose of private or Crown lands or works, unless and except as authorized by the owner of such lands or works. The responsibility for obtaining such authority shall rest with the holder of the Operational Certificate. This Operational Certificate is issued pursuant to the provisions of the *Waste Management Act*, which makes it an offence to discharge waste without proper authorization. It is also the responsibility of the holder of the Operational Certificate to ensure that all activities conducted under this authorization are carried out with regard to the rights of third parties, and comply with other applicable legislation that may be in force.

This Operational Certificate may be appealed by persons who consider themselves aggrieved by this decision in accordance with Part 7 of the *Waste Management Act*. Written notice of intent to appeal must be received by the Regional Waste Manager within thirty (30) days.

Administration of this Operational Certificate will be carried out by staff from our Regional Office located at Suite 201, 3547 Skaha Lake Road, Penticton, B.C., V2A 7K2. Plans, data and reports pertinent to the Operational Certificate are to be submitted to the Regional Waste Manager at this address.

Yours truly,



T.R. Forty, P.Eng.
Assistant Regional Waste Manager
Pollution Prevention
Southern Interior Region

Enclosure



MINISTRY OF ENVIRONMENT,
LANDS AND PARKS

OPERATIONAL CERTIFICATE

ME-12214

Under the Provisions of the Waste Management Act

TOWN OF OSOYOOS

PO BOX 3010

OSOYOOS BRITISH COLUMBIA

VOH 1VO

is authorized to discharge effluent, from a municipal sewage collection and treatment system, to the ground by irrigation and infiltration, at Osoyoos, British Columbia, subject to the conditions listed below. Contravention of any of these conditions is a violation of the Waste Management Act and may result in prosecution.

1. AUTHORIZED DISCHARGES

- 1.1.** This subsection applies to the discharge of effluent from the municipal sewage treatment facility to the reclaimed water storage reservoirs. The flow is measured at the Legion Beach Lift Station, the Environmental Monitoring (EMS) site reference number for this site is E230277 and at the Desert Park lift station EMS site reference number E232882.



T.R. Forty, P.Eng.
Assistant Regional Waste Manager

- 1.1.1.** The maximum authorized rate of sewage wastes received, and therefore the maximum authorized rate of effluent to be discharged from the aerated sewage treatment lagoon system to the reclaimed water storage reservoirs, averaged on a monthly basis is the total of the flow from the Legion Beach Lift Station and the Desert Park lift station:

Year	Projection Annual Average	Projection Maximum Month Average
1997	1760 m ³ /day	2820 m ³ /day
1998	1800 m ³ /day	2880 m ³ /day
1999	1830 m ³ /day	2930 m ³ /day
2000	2030 m ³ /day	3250 m ³ /day
2001	2240 m ³ /day	3580 m ³ /day
2002	2410 m ³ /day	3860 m ³ /day
2003	2460 m ³ /day	3930 m ³ /day
2004	2510 m ³ /day	4010 m ³ /day
2005	2560 m ³ /day	4090 m ³ /day
2006	2610 m ³ /day	4170 m ³ /day
2007	2660 m ³ /day	4260 m ³ /day
2008	2720 m ³ /day	4340 m ³ /day

- 1.1.2.** The authorized works are sewage collection system, sewage and effluent pumping stations, pressure forcemain, and related appurtenances approximately located as shown on Site Plan A.

- 1.1.3.** The location of the sewage collection system is described generally as Osoyoos and surrounding area.

- 1.2.** This subsection applies to the discharge of effluent from the aerated sewage treatment lagoon system, after Cell #3, prior to storage. The Environmental Monitoring (EMS) site reference number for this discharge is E105001.

- 1.2.1.** The characteristics of the effluent discharged from the aerated sewage treatment lagoon system, after Cell #3, prior to storage, shall be equivalent to, or better than:

5 Day Biochemical Oxygen Demand	45 mg/L; and
Total Suspended Solids	60 mg/L.



T.R. Forty, P.Eng.
Assistant Regional Waste Manager

- 1.2.2. The authorized works are aerated sewage treatment lagoon system and related appurtenances approximately located as shown on attached Site Plan A.
- 1.2.3. The location of the aerated sewage treatment lagoon system facilities is Lot 766, Plan 2476 and Lot 974, Plan 16985, SDYD.
- 1.3. This subsection applies to the reclaimed water which is beneficially used for trickle and spray irrigation, after storage and chlorination. The EMS site reference number for this discharge is E207444.
 - 1.3.1. There is no maximum authorized rate of reclaimed water which may be beneficially used for irrigation.
 - 1.3.2. The authorized works are two (2) effluent storage reservoirs, chlorination facilities, spray and trickle irrigation facilities, and related appurtenances approximately as shown on attached Site Plan A.
 - 1.3.3. The locations where reclaimed wastewater may be irrigated are described generally as Osoyoos and surrounding area, as indicated in the approved Town of Osoyoos Liquid Waste Management Plan.
- 1.4. This subsection applies to the discharge of surplus effluent to the infiltration basin facilities. The EMS site reference number for this discharge is E218460.
 - 1.4.1. The Town of Osoyoos is authorized to discharge effluent that is surplus to the needs of the effluent irrigation system to an infiltration basin facility. There is no maximum authorized amount, as this is, in effect, a safety valve for the system.
 - 1.4.2. The authorized works are infiltration facilities and related appurtenances approximately as shown on attached Site Plan A.
 - 1.4.3. The location of the point of discharge is Lot 766, Plan 2476, and Lot 974, Plan 16985, SDYD.

2. ANNUAL PERMIT FEE CALCULATION

For the purposes of permit fee calculation, the following discharge factors have been assumed for the characteristics of the reclaimed wastewater discharged from the reclaimed wastewater storage reservoirs and beneficially used for irrigation:

- 2.1. The reclaimed water flow irrigated is assumed to equal the flow of sewage into the aerated sewage treatment system, as measured at the Legion Beach Lift Station (E230277) and Desert Park lift station (E232882).



T.R. Forty, P.Eng.
Assistant Regional Waste Manager

- 2.2.** The quality parameters to be used for permit fee calculation purposes are:

5 Day Biochemical Oxygen Demand	10 mg/L; and
Total Suspended Solids	10 mg/L.

3. REQUIREMENTS - GENERAL

3.1. Maintenance of Works, Emergency Procedures and Non-Compliance Reporting

Inspect the pollution control works regularly and maintain them in good working order. In the event of an emergency or condition which prevents the Town of Osoyoos from complying with a requirement of the Operating Certificate that would otherwise be applicable, that requirement will be suspended for such time as the emergency exists or as otherwise directed by the Regional Waste Manager provided that:

- 3.1.2.** The Town can demonstrate the exercise of due diligence in relation to the process, operation or event which has caused the emergency, and that the emergency has occurred notwithstanding this exercise of due diligence;
- 3.1.3.** The Regional Waste Manager has been immediately notified of the emergency; and,
- 3.1.4.** The Town is proceeding with due diligence to correct the emergency condition.

3.2. Bypasses

The discharge of effluent which has bypassed the designated treatment works is prohibited unless the approval of the Regional Waste Manager is obtained and confirmed in writing.

3.3. Process Modifications

The Town shall notify the Regional Waste Manager prior to implementing changes to any process that may affect the quality and/or quantity of the discharge. The approval of the Regional Waste Manager shall be received prior to implementing the process modifications.

3.4. Alternate Water Supply

The Town shall provide alternate water supplies if any privately owned well should be adversely affected by irrigation with reclaimed water, as determined by the Regional Waste Manager.



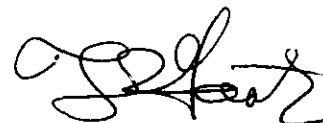
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3.5. Plans - New Works

- 3.5.1. Plans and specifications of any proposed new works, modifications or additions to the existing works authorized in this Operational Certificate, with the exception of the sewage collection system, shall be submitted to the Regional Waste Manager, and his written consent obtained before construction commences. Plans shall be signed and sealed by a Professional Engineer licensed to practise in the Province of British Columbia. The works shall be constructed in accordance with such plans.
- 3.5.2. Copies of all "as-built" plans and drawings for the sewage treatment system, signed and sealed by a Professional Engineer licensed to practise in the Province of British Columbia, shall be submitted to the Regional Waste Manager.
- 3.5.3. Retain a copy of all "as-built", plans of modifications and/or extensions to the sewage collection system for perusal by the Regional Waste Manager, or his designate, upon request.
- 3.5.4. Design and construct the irrigation works in accordance with best current agricultural practice, and in accord with:
- The "Pollution Control Guidelines for Municipal Effluent Application to Land", dated January 1983, and any amendments thereto, issued by the Ministry of Environment of British Columbia.
- The "B.C. Sprinkler Irrigation Manual" 1989 issue, prepared by the B.C. Ministry of Agriculture and Fisheries.
- The "B.C. Trickle Irrigation Manual" 1987 issue, prepared by the B.C. Ministry of Agriculture and Fisheries.
- The "Health and Safety Criteria for the Use of Reclaimed Wastewater", 1991, developed by the Ministry of Health and the Ministry of Environment.

3.6. Operation and Maintenance

- 3.6.1. Operate and maintain a system of preventative maintenance for the sewage treatment, reclaimed wastewater utilization and infiltration works.
- 3.6.2. Develop and maintain an Operation and Maintenance Manual for the sewage treatment, reclaimed wastewater utilization and infiltration works. The Operation and Maintenance Manual shall be completed by **December 31, 2003**. A copy of the Operation and Maintenance Manuals shall be retained at the treatment plant for inspection, by the Regional Waste Manager or designate.



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3.7. Facility Classification

Maintain the wastewater treatment facility classification as authorized in this Operational Certificate with the "Environmental Operator's Certification Program" (EOCP). The sewage treatment plant, reclaimed wastewater utilization system and the effluent disposal works are presently classified as a Level I facility.

3.8. Operator Certification

3.8.1. The works shall be operated and maintained by persons certified within and according to the program provided by the EOCP. Certification must be completed to the satisfaction of the Regional Waste Manager. In addition, the Regional Waste Manager shall be notified of the classification level of the facility and certification level of the operators, and changes of operators and/or operator certification levels within 30 days of any change. List of current Certified Operators shall be included in the annual report.

3.8.2. All operators in training (OIT) working at this facility currently classified by the EOCP as Level I, shall be required to successfully pass an OIT examination within three (3) months of commencement of employment at the facility. The OIT certificate shall be valid for fifteen (15) months from the date of issue. Prior to the expiry date of the OIT certificate, but not sooner than twelve (12) months from the date when the OIT commenced facility operation, the OIT shall successfully complete a Class I certification examination in order to continue to operate at the facility.

3.9. Improvement of Works

The Town shall acquire and/or reserve sufficient land for the construction or expansion of future sewage treatment facilities. The phasing of new works shall be in accord with the Town of Osoyoos Liquid Waste Management Plan.

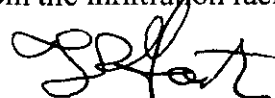
3.10. Infiltration Facilities

3.10.1. Details regarding any proposed discharge to infiltration shall be under the direction of a suitably qualified consultant. A copy of the proposed discharge details, including rate, volume and quality, and rationale for the discharge, is to be submitted to the Regional Waste Manager.

3.10.2. The use of the infiltration facilities shall occur only with the written authorization of the Regional Waste Manager.

3.10.3. The Town shall maintain a minimum freeboard of 0.5 m and ensure that there is no overflow from the infiltration facilities to the environment.

3.10.4. Surface drainage shall be diverted away from the infiltration facilities.



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3.10.5. Any residue removed from the infiltration facility shall be disposed of in a manner approved by the Regional Waste Manager.

3.10.6. Details of discharges to infiltration to be included in the Annual Report each year.

3.11. Fencing

The Operational Certificate holder shall erect a fence around the treatment plant facilities and such other areas, as required by the Regional Waste Manager. The height and type of fencing shall meet the approval of the Regional Waste Manager.

3.12. Odours

Should odours become objectionable, additional works shall be provided when so directed in writing by the Regional Waste Manager.

3.13. Influent Wastes Bylaw

In order to minimize the potential effect of heavy metals or other toxic materials in the effluent and/or sludge, amend as required, the Influent Wastes Bylaw, Building Bylaw, or other bylaws, to regulate the input of such wastes to the sewage collection system. The Town is encouraged to discourage the installation of devices to process household putrescible waste for disposal to the sewage collection system. Any amendments made to the Influent Bylaw shall be noted in the Annual Report.

3.14. Surface Water Diversionary Works

Surface water shall be intercepted and diverted away from the effluent treatment facilities to the greatest extent possible.

3.15. Signage

3.15.1. A suitable sign erected at the main entrance to the treatment plant site shall have the appropriate emergency phone numbers for use by the general public and others.

3.15.2. Prominent "No Trespassing" signs, acceptable to the Regional Waste Manager shall be erected and maintained around the reclaimed wastewater reservoir advising of the contents of the reservoir.

3.15.3. Prominent "NO TRESPASSING", signs shall be erected around agricultural and silvicultural sites irrigated with reclaimed wastewater, warning persons of the possible health hazard during the irrigation season and advising that the water used for irrigation is NOT POTABLE. The wording shall be in language or symbols readily comprehensible by the general public. e.g. "NO TRESPASSING - RECLAIMED WASTEWATER - DO NOT DRINK".



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3.16. Leakage

Operate and maintain the aerated lagoons and the reclaimed wastewater storage reservoirs to minimize fluid leakage. Leakage shall not aggravate or produce soil or bedrock instability or erosion, or contaminate ground or surface water.

3.17. Contingency Plan

The Town is to prepare a Contingency Plan that will address the appropriate course of action to be taken in any particular preconceived emergency situation. The Contingency Plan shall include Spill Procedures including other leaks and any potential point of concern in the collection, treatment and disposal systems. Attention is to be given to public safety and the protection of the environment. The Contingency Plan is to be completed by **December 31, 2003**, and updated annually, or as necessary, to reflect the current operation. A copy of the Contingency Plan, when complete shall be submitted to the Regional Waste Manager. Any changes or amendments to the Contingency Plan shall be included in the annual report.

3.18. Irrigation Plan

The Town is required to submit an Irrigation Plan of all new areas of land to be irrigated. The Irrigation Plan shall include: property location, owner, acreage, irrigation type, duration, rates, crops and intensity, or other wastewater use where reclaimed wastewater is beneficially used (i.e. dust control purposes).

To be included in the Irrigation Plan, a detailed Soils Assessment is required for any new areas of land to be irrigated.

Written authorization from the Regional Waste Manager is required prior to commencement of irrigation with reclaimed wastewater on any new areas.

A plan is to be submitted with the Annual Report each year showing all areas irrigated with reclaimed water during the previous year.

3.19. Soils Assessment

A detailed Soil Assessment shall be completed of any new agricultural areas to be irrigated. The Soils Assessment shall be submitted to the Regional Waste Manager and is to be included in the "Irrigation Plan", which shall be performed by a suitably qualified professional (Agrologist or Pedologist), using best current climate and soils data to substantiate that the proposed irrigation land is capable of accepting reclaimed wastewater for irrigation purposes. The Soils Assessment is to include any suggested restrictions or recommendations, also the assessment will include the recommendation as to the frequency required for further soil assessments of the agricultural areas irrigated.



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Written authorization from the Regional Waste Manager, to proceed with irrigation on any new agricultural area(s), must be received prior to commencing irrigation.

3.20. Sludge Management Plan

The frequency of withdrawal of sludge from the sewage treatment plant facilities and used for disposal and/or utilization shall be developed into a Sludge Management Plan. The Sludge Management Plan shall be prepared and submitted to the Regional Waste Manager for approval on or before **December 31, 1999**. The Sludge Management Plan shall be amended as required. Any changes or amendments to the Sludge Management Plan shall be included in the Annual Report.

4. REQUIREMENTS - RECLAIMED WASTEWATER IRRIGATION

4.1. Disinfection - Chlorination

- 4.1.1.** Disinfection shall be maintained in the reclaimed water discharged from the reclaimed water storage reservoirs to the irrigation system.
- 4.1.2.** Reclaimed water used for irrigation must have at least one hour of chlorine contact time at average flow rate. A chlorine residual of at least 1 mg/L must be maintained at all times, immediately prior to irrigating.
- 4.1.3.** Reclaimed water utilized for irrigation shall conform to the effluent irrigation guidelines developed by the B.C. Ministry of Health and Ministry of Environment, Lands and Parks. Fecal coliforms shall not exceed 200 MPN per 100 mL for agricultural, silvicultural and low public use lands, or exceed 2.2 MPN per 100 mL for high public use lands.

4.2. Annual Irrigation Period

- 4.2.1.** The authorized discharge period for irrigation using spray/trickle irrigation techniques is during the period **March 15 to November 15** each year.
- 4.2.2.** With the written authorization of the Regional Waste Manager, the irrigation schedule may be extended on a weekly basis beyond these limits. Any extension will be considered only upon receipt of a substantiated written request and submission of a soils assessment produced by a suitably qualified professional agrologist for those areas to receive irrigation.

4.3. Buffer Zones

- 4.3.1.** The requirement for formal buffer zones surrounding lands irrigated with reclaimed water is no longer in effect, however, buffer zones may be specified by the Regional Waste Manager.



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4.3.2. Reclaimed water applied by irrigation shall not be applied to the ground any closer than 15 metres from the edge of flowing streams or bodies of water.

4.3.3. There shall be no reclaimed water irrigated within 30 metres of any well or in-ground reservoir used for domestic supply purposes.

4.4. Surface Runoff

There shall be no surface runoff of irrigated reclaimed water from the irrigated lands.

4.5. Surfacing Reclaimed Water

Irrigation shall be managed in such a fashion as to preclude surfacing of irrigation tailwater downslope of the point of irrigation.

4.6. Spray Irrigation Drift

The following strategy shall be followed to minimize the necessity to shut down the irrigation system, or portions thereof, during windy conditions:

4.6.1. The reclaimed water irrigation system shall be managed in such a fashion as to preclude aerosol drift from leaving the irrigated lands.

4.7. Irrigation Rates

4.7.1. The general philosophy of the operation of the irrigation system shall be for beneficial utilization of reclaimed water, not disposal. This philosophy is necessary to prevent excessive irrigation and subsequent negative impact on the irrigated lands and lands downgradient of the irrigated lands.

4.7.2. Irrigation rates for spray irrigation shall not exceed the rates given in "B.C. Sprinkler Irrigation Manual", dated 1989, prepared by the B.C. Ministry of Agriculture and Fisheries.

4.7.3. Irrigation rates for trickle irrigation shall not exceed the rates given in "B.C. Trickle Irrigation Manual", dated 1987, prepared by the B.C. Ministry of Agriculture and Fisheries.

4.7.4. Irrigated lands shall be monitored to prevent saturation, erosion, surfacing tailwater, and instability both in the irrigated areas and downgradient of the irrigated lands.

4.8. Agricultural Products Lag Time

4.8.1. A three day lag time is required before uninspected livestock intended for human consumption are permitted on areas irrigated with reclaimed water. No lag time is required if livestock are subjected to the federal meat inspection program.



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- 4.8.2. A six day lag time is required before dairy cattle are permitted in areas irrigated with reclaimed water.
- 4.8.3. A three day lag time, after irrigation has ceased, is required before a crop intended for animal feed is harvested.

5. MONITORING PROGRAMS

5.1. Wastewater Flow - Monitoring Program

5.1.1. Flow Measurement - Legion Beach Lift Station

Provide and maintain a suitable flow measuring device and **record once per day**, at the **Legion Beach lift station**, the water discharged to the sewage treatment facility over a 24-hour period. The EMS site reference number for this site is **E230277**.

5.1.2. Flow Measurement - Desert Park Lift Station

Provide and maintain a suitable flow measuring device and record once per day, at the **Desert Park Lift Station**, the water discharged to the sewage treatment facility over a 24-hour period. The EMS site reference number for this site is **E232882**.

5.2. Influent - Monitoring Program

5.2.1. Grab Sampling

Install and maintain a suitable sampling facility at the **headworks of the plant** and obtain a grab sample of the plant influent **semi-annually** (a proportional continuous sampler is desirable, but not mandatory). The EMS site reference number for this site is **E230037**.

5.2.2. Analyses

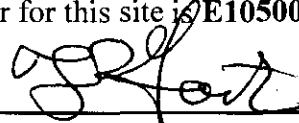
Obtain analyses of the influent sample for the following:

- (a) total phosphorus and ortho phosphorus, expressed as P in mg/L; and
- (b) 5-day biochemical oxygen demand, mg/L.

5.3. Effluent - Monitoring Program

5.3.1. Grab Sampling

The Town shall install and maintain a suitable sampling facility and obtain a grab sample of the effluent **from the aerated lagoons, after Cell #3 prior to storage**. The EMS site reference number for this site is **E105001**.



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5.3.2. Analyses

Obtain analyses of the sample for the following:

- a) 5-day biochemical oxygen demand, mg/L, **monthly**;
- b) total suspended solids (non-filterable residue), mg/L, **monthly**;
- c) total phosphorus, ortho phosphorus and total dissolved phosphorus, all expressed as mg/L P, **semi-annually**; and
- d) total nitrogen, ammonia nitrogen, nitrate nitrogen, nitrite nitrogen, and organic nitrogen, all expressed as mg/L N, **semi-annually**.

5.3.3. Occasional full chemical analysis of the main cations and anions and other characteristics may be required at the discretion of the Regional Waste Manager.

5.4. Storage Reservoir - Monitoring Program

5.4.1. Water Levels

Provide and maintain suitable staff gauges or other similar devices, as approved by the Regional Waste Manager, **in the two (2) reclaimed water storage reservoirs**. Take **weekly measurements** of the water levels in the storage reservoirs on a year round basis. The EMS site reference numbers for the reservoirs are as follows:

Storage Reservoir #1 (older reservoir to south) - **E230038**

Storage Reservoir #2 (new reservoir to north) - **E230039**

5.4.2. Storage Volumes

Calculate and record the corresponding volumes of reclaimed water contained in each storage reservoir on a **weekly basis** for graphical analysis.

5.5. Irrigation - Monitoring Program

5.5.1. Flow Measurement

Provide and maintain a suitable flow measuring device and record, on a **weekly basis**, the **reclaimed water irrigation volumes**, location/area, property owner, irrigation type, duration, rate, and crop or other use. Submit the monthly and annual summaries to the Regional Waste Manager with the Annual Report.

5.5.2. Grab Sampling

The Town shall obtain a grab sample of the reclaimed water, **during the irrigation season, from the discharge end of the chlorine contact chamber**. The EMS site reference number is **E207444**.



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5.5.3. Analyses

Obtain analyses of the sample for the following:

- a) fecal coliforms MPN/100 ml, **monthly**;
- b) total coliforms MPN/100 ml, **monthly**;
- c) total phosphorus mg/L, **monthly**;
- d) total nitrogen, mg/L, **monthly**; and
- e) chlorine residual, mg/L, **weekly**.

5.6. Sludge - Monitoring Program

5.6.1. Sampling

Obtain a representative sample of the sludge produced at the treatment plant **once per year from the first aerated lagoon, Cell #1**. The EMS site reference number is **E230278**.

5.6.2. Analyses

Obtain analyses of the sludge sample for the following:

Total solids (TS), g/L;
Moisture content, %;
Volatile suspended solids (V.S.S), g/L;
Total Kjeldahl Nitrogen (T.K.N.), g/L and g/kg dry solids;
Aluminum, mg/kg;
Arsenic, mg/kg;
Cadmium, mg/kg;
Calcium, mg/kg;
Chromium, mg/kg;
Cobalt, mg/kg;
Copper, mg/kg;
Iron, mg/kg;
Manganese, mg/kg;
Mercury, mg/kg;
Molybdenum, mg/kg;
Nickel, mg/kg;
Lead, mg/kg;
Silver, mg/kg;
Sodium, mg/kg; and
Zinc, mg/kg.

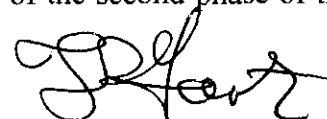


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- 5.6.3. Occasional full chemical analysis of the main cations and anions and other characteristics may be required at the discretion of the Regional Waste Manager.

5.7. Ground And Surface Water - Monitoring Program

- 5.7.1. A Ground and Surface Water Monitoring Program, shall be submitted to the Regional Waste Manager. The Monitoring Program shall be designed by a suitably qualified Professional Engineer (Hydrogeologist) or a Hydrogeological Technologist licensed to practice in the Province of British Columbia. The Monitoring Program is to establish with acceptable scientific accuracy, the groundwater flow pattern and nutrient removal capability of the soil to ensure reasonable notice of impending high phosphorus or nitrate levels that may adversely affect surface water, groundwater or domestic waterwells. The sampling, measurement frequency, water level elevations and analyses shall be conducted in accordance with the Monitoring Program upon its written authorization by the Regional Waste Manager.
- 5.7.2. The Monitoring Program will consist of two phases. The **first phase** will consist of an inventory of all existing ground and surface water monitoring sites. This inventory is to be completed and submitted to the Regional Waste Manager by **March 31, 1999**. The **second phase** of the program will assess and determine the most appropriate sites for monitoring; upgrade wells, if required; establish and install any additional new recommended monitoring sites; and submit the outline for Ground and Surface Water Monitoring Program. The second phase of the monitoring program is to be complete and submitted to the Regional Waste Manager by **December 31, 1999**.
- 5.7.3. The results of the Ground and Surface Water Monitoring Program is to be reviewed annually by a suitably qualified Professional Engineer (Hydrogeologist) or a Hydrogeological Technologist licensed to practice in the Province of British Columbia and any recommendations for changes to the Monitoring Program are to be included with the Annual Report each year.
- 5.7.4. The Ground and Surface Water Monitoring Program is to incorporate the existing EMS groundwater monitoring wells and the surface water monitoring sites that were previously monitored by the Ministry of Environment, Lands and Parks, or other agencies, and any proposed or future monitoring sites, as authorized by the Regional Waste Manager.
- 5.7.5. The Town shall provide precise latitude and longitude values, with an accuracy of at least plus or minus 10 metres, for each ground and surface water monitoring site established as part of the second phase of the Ground



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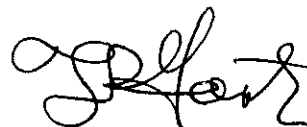
and Surface Water Monitoring Program, and for any additional sites that may be added each year. The data is to be submitted to the Regional Waste Manager with the Annual Report.

6. SAMPLING AND ANALYTICAL REQUIREMENTS

- 6.1. Proper care should be taken in sampling, storing and transporting the samples to adequately control temperature and avoid contamination, breakage, etc.
- 6.2. Occasional full chemical analysis of the main cations and anions and other characteristics may be required at the discretion of the Regional Waste Manager.
- 6.3. The Town is required to follow the terms and conditions of the Quality Assurance Regulation (EQDA), or other legislation that may be in effect at the time. Ten percent of the samples collected shall be duplicated to provide data quality assurance. Quality control information generated by the Permittee lab while analyzing parameters required by this Operational Certificate shall also be provided with the raw data required to be reported.
- 6.4. The sampling, flow and monitoring requirements specified in Section 8 (including all subsections) above shall be carried out in accordance with the appropriate procedures listed in the table below. Alternative test methods may be used provided that the alternative test methods are authorized by the Regional Waste Manager prior to performing the actual source testing. Test methods for parameters not listed below require the consent of the Regional Waste Manager.

LIQUID EFFLUENTS, SURFACE WATER, GROUND WATER, SOILS, SEDIMENTS, VEGETATIVE MATTER:		
Parameter	Source Testing Procedure	Analytical Procedure
Metals Nutrients Organics Toxicity	British Columbia Field Sampling Manual for Continuous Monitoring plus the Collection of Air, Air-Emission, Water, Wastewater, Soil, Sediment, and Biological Samples, 1996 Permittee Edition	British Columbia Environmental Laboratory Manual for the Analysis of Water, Wastewater, Sediment and Biological Materials, March, 1994, Permittee Edition

The above manuals are available from Queen's Printer Publications Centre, P.O. Box 9452, Stn. Prov. Govt, Victoria, BC, V8W 9V7 (1-800-663-6105 or (250)387-4609). The above manuals are also available for inspection at all Pollution Prevention offices.



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7. REPORTING

7.1. General Reporting

- 7.1.1.** Maintain all monitoring data required for inspection by the Regional Waste Manager or his designate.
- 7.1.2.** The influent, effluent, spray/trickle reclaimed water irrigation, infiltration and sludge analyses and related flow data is to be submitted to the Regional Waste Manager such that they are received by the Regional Waste Manager within 30 days of the results being received, or produced, by the Town.
- 7.1.3.** Monitoring data shall be entered into EMS electronically and submitted in electronic and printed format satisfactory to the Regional Waste Manager.

7.2. Annual Reporting

- 7.2.1.** Submit an Annual Report which includes a summary of the results of all sampling and monitoring programs as specified in this Operational Certificate. Provide data interpretation and trend analyses where appropriate.
- 7.2.2.** The Annual Report is to be in a format which is suitable for review by the public and/or other government agencies.
- 7.2.3.** The Annual Report is due on or before 90 days following the end of a calendar year for that year's monitoring. Raw data, suitably tabulated, including the EDQA quality control information, are to be attached as appendices to the report.
- 7.2.4.** Maintain and submit records of the following, each year, which are to be part of the Annual Report:
 - 7.2.4.1.** Records of sewage flow to the aerated treatment lagoons as required under the Wastewater Flow - Monitoring Program.
 - 7.2.4.2.** Records of sewage treatment plant influent quality, as required under the Influent - Monitoring Program.
 - 7.2.4.3.** Records of effluent quality prior to the storage reservoirs as required in the Effluent - Monitoring Program.
 - 7.2.4.4.** Records of the elevations for both reclaimed water storage reservoirs and the corresponding annual storage volumes available, as required under the Storage Reservoir - Monitoring Program.
 - 7.2.4.5.** Records of the reclaimed water quality and volumes beneficially used, as well as, property location, owner, acreage, irrigation type,



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duration, rate, crop and intensity, or other use, where irrigation occurs, as required under the Irrigation - Monitoring Program.

- 7.2.4.6. Records of effluent quantity and quality for discharges to the infiltration facilities.
- 7.2.4.7. Records of sludge quality as per the Sludge - Monitoring Program.
- 7.2.4.8. Frequency of withdrawal and volumes for disposal and/or utilization, as required in the Sludge Management Plan.
- 7.2.4.9. Records of groundwater well elevations and ground and surface water quality, as required under the Ground and Surface Water - Monitoring Program.
- 7.2.4.10. Copy of the Annual Flow Summaries.
- 7.2.4.11. Copy of the Annual Irrigation Summaries.
- 7.2.4.12. Copy of monthly precipitation records for Osoyoos area (arrangements can be made to obtain precipitation information, contact Gary Myers, Climate Services, Environmental Canada, at 604-664-9067).



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APPENDIX A

Requirements of Reclaimed Wastewater Users

The holder of this Operational Certificate (The reclaimed wastewater supplier) shall be responsible for ensuring that contractual agreement(s) with each Reclaimed Wastewater User are in accordance with the Operational Certificate.

A copy of this Appendix is to be provided to EACH USER prior to the commencement of irrigation EACH YEAR.

8. GENERAL REQUIREMENTS

8.1. Plans - New Works - New Agricultural Areas

- 8.1.1. Plans for modifications and/or extensions to the reclaimed water irrigation system shall be approved by a person qualified in the design of irrigation systems and the Irrigation Plan and the Soils Assessment is to be submitted to the Regional Waste Manager for authorization prior to the commencement of irrigation on new agricultural areas.
- 8.1.2. Design and construct the irrigation works in accordance with best current agricultural practice and the "Pollution Control Guidelines for Municipal Effluent Application to Land", dated January 1983, and any amendments thereto, issued by the Ministry of Environment of British Columbia, and also in accordance with the "B.C. Sprinkler Irrigation Manual", dated 1989, prepared by the B.C. Ministry of Agriculture and Fisheries or the "B.C. Trickle Irrigation Manual", dated 1987, prepared by the B.C. Ministry of Agriculture and Fisheries.

8.2. Construction Criteria

- 8.2.1. All reclaimed water user valves, shall be of a type, or secured in a manner, that permits operation by only personnel authorized by each wastewater user. All piping, valves and outlets should be clearly marked to differentiate reclaimed wastewater from domestic water. All reclaimed wastewater controllers, valves, etc., shall be affixed with reclaimed water warning signs. It is recommended that, where possible purple coloured pipe and fixtures be utilized to facilitate identification of reclaimed water piping and fixtures.



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- 8.2.2. Use or installation of hose-bibs on any irrigation system presently operating, or designated to operate with reclaimed wastewater, regardless of the hose-bib construction or identification, is not permitted.
- 8.2.3. There shall be at least a 3 metre horizontal and a 0.3 metre vertical separation (with domestic water pipeline above the reclaimed water pipeline) between all pipelines transporting reclaimed water and those transporting domestic water.
- 8.2.4. There shall be no connection between a potable water supply, irrigation water or industrial well, and piping containing reclaimed wastewater, except through an air gap separation or reduced pressure principle device.

8.3. Fencing

The reclaimed water user **may be** required by the Regional Waste Manager to erect a fence around the disposal area to restrict public access. The height and type of fencing shall meet the approval of the Regional Waste Manager.

8.4. Signage

- 8.4.1. Prominent "NO TRESPASSING", signs shall be erected around agricultural and silvicultural sites irrigated with reclaimed water, warning persons of the possible health hazard during the irrigation season and advising that the water used for irrigation is NOT POTABLE. The wording shall be in language or symbols readily comprehensible by the general public. e.g. "NO TRESPASSING - RECLAIMED WASTEWATER - DO NOT DRINK"
- 8.4.2. Warning signs shall be posted in sufficient numbers and size and at strategic locations to advise the public that reclaimed water is being used. Additional signage may be required as directed by the Regional Waste Manager.

9. GENERAL REQUIREMENTS - RECLAIMED WASTEWATER IRRIGATION

9.1. Buffer Zones

- 9.1.1. The requirement for formal buffer zones surrounding lands irrigated with reclaimed water is no longer in effect, however, a buffer zone may be specified by the Regional Waste Manager.
- 9.1.2. Reclaimed water applied by irrigation shall not be applied to the ground any closer than 15 metres from the edge of flowing streams or bodies of water.
- 9.1.3. There shall be no reclaimed water irrigated within 30 metres of any well or in-ground reservoir for domestic supply.



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9.2. Surface Runoff

- 9.2.1. There shall be no surface runoff of irrigated reclaimed wastewater from the irrigated lands.
- 9.2.2. The maximum ground slope shall not exceed 20% without the written consent of the Regional Waste Manager.

9.3. Surfacing Reclaimed Water

- 9.3.1. Irrigation shall be managed in such a fashion as to preclude surfacing of irrigation tail water down slope of the point of irrigation.
- 9.3.2. Irrigation shall be managed as to prevent ponding.

9.4. Spray Irrigation Drift

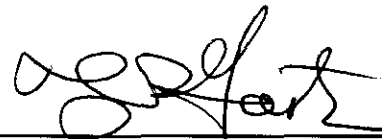
- 9.4.1. Reclaimed water shall be confined to the area designated and approved for irrigation with reclaimed water. The reclaimed water irrigation system shall be managed in such a fashion as to prevent aerosol drift from leaving the irrigated lands.
- 9.4.2. Precautions shall be taken to ensure that reclaimed water will not have contact with any facility or area not designated for reclamation, such as passing vehicles, buildings, domestic water facilities, fruit and vegetable gardens, or food handling facilities.
- 9.4.3. Drinking water facilities shall be protected from direct or wind blown reclaimed water spray.

9.5. Irrigation Rates

- 9.5.1. Irrigation rates for spray irrigation shall not exceed the rates given in "B.C. Sprinkler Irrigation Manual", dated 1989, prepared by the B.C. Ministry of Agriculture and Fisheries and irrigation rates for trickle irrigation shall not exceed the rates given in those given in "B.C. Trickle Irrigation Manual", dated 1987, prepared by the B.C. Ministry of Agriculture and Fisheries.
- 9.5.2. Soils of the irrigated lands will be monitored periodically or as otherwise directed by the Regional Waste Manager or the Town, to prevent saturation, erosion, and instability.

9.6. Agricultural Products Lag Time

- 9.6.1. A three day lag time is required before uninspected livestock intended for human consumption are permitted on areas irrigated with reclaimed water. No lag time is required if livestock are subjected to the federal meat inspection program.



T.R. Forty, P.Eng.
Assistant Regional Waste Manager

9.6.2. A six day lag time is required before dairy cattle are permitted in areas irrigated with reclaimed wastewater.

9.6.3. A three day lag time, after irrigation has ceased, is required before a crop intended for animal feed is harvested.

9.7. Insect and Vector Control

Adequate measures shall be taken to prevent the breeding of insects and other vectors of health significance, and the creation of odours, slimes or unsightly deposits.

9.8. Irrigation of Public Areas

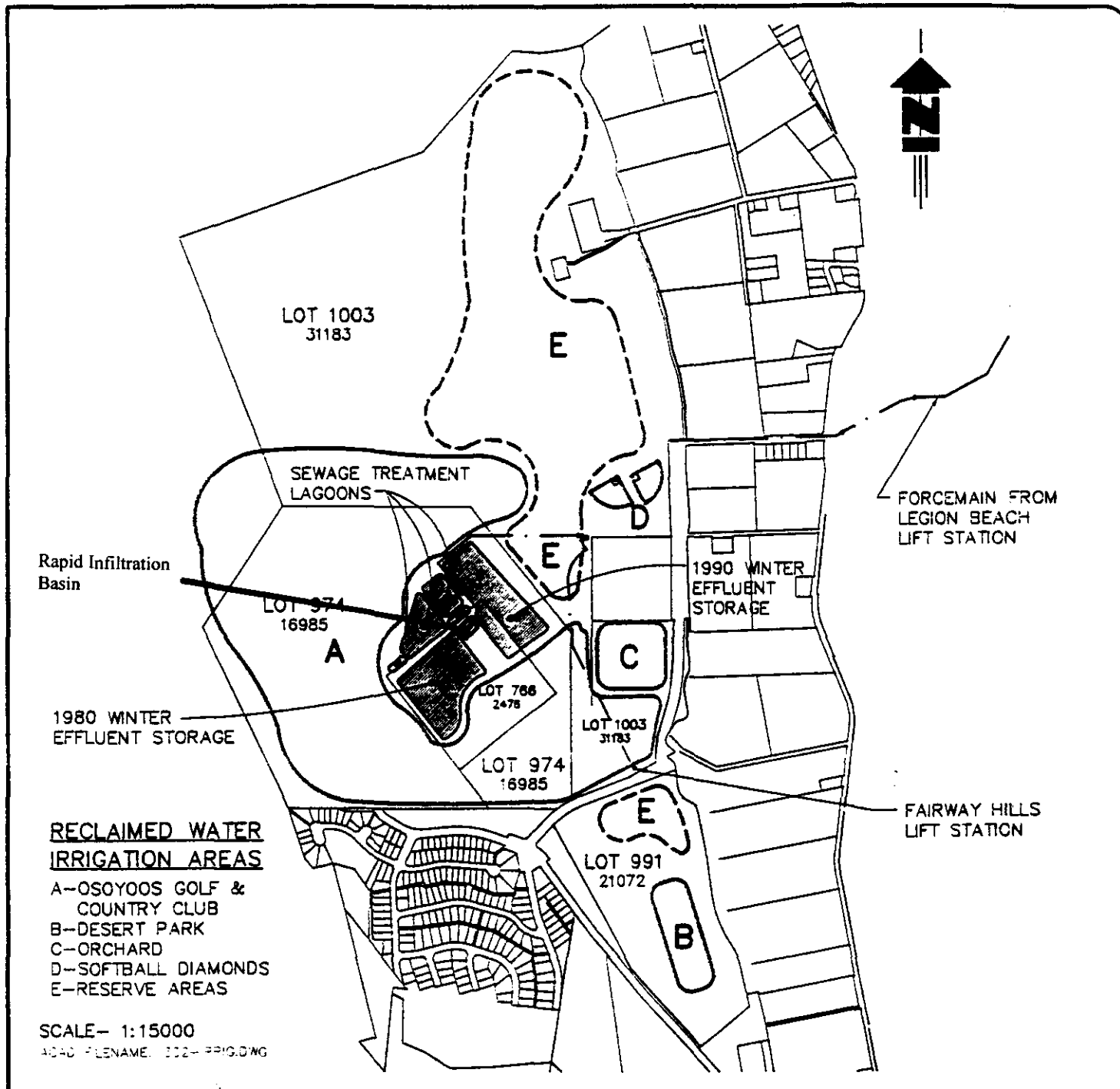
9.8.1. Irrigation on golf courses or cemeteries shall only be practised when the public are not present.

9.8.2. Golf score cards shall indicate that reclaimed water is used for irrigation on the golf course lands.

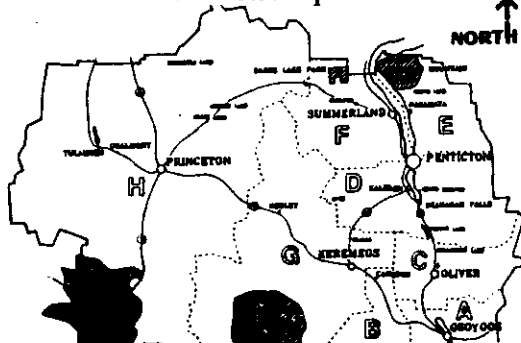


T.R. Forty, P.Eng.
Assistant Regional Waste Manager

SITE PLAN A



Location Map



Operational Certificate No.: ME-12214

Date: December 18, 1998

T.R. Forty, P.Eng.
Assistant Regional Waste Manager

APPENDIX C

Analytical Reports (OC 5.2.2, 5.3.2, 5.5.3, 5.6.2, 7.2.4.2,
7.2.4.3, 7.2.4.6,
7.2.4.7)

CERTIFICATE OF ANALYSIS

REPORTED TO Osoyoos, Town of
PO Box 3010
OSOYOOS, BC V0H 1V0

ATTENTION Dave Stene

PO NUMBER Wastewater

PROJECT Wastewater- PE12214

PROJECT INFO

WORK ORDER 25A2128

RECEIVED / TEMP 2025-01-21 16:56 / 10.6°C

REPORTED 2025-01-28 11:28

COC NUMBER No Number

Introduction:

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<https://www.caro.ca/terms-conditions>

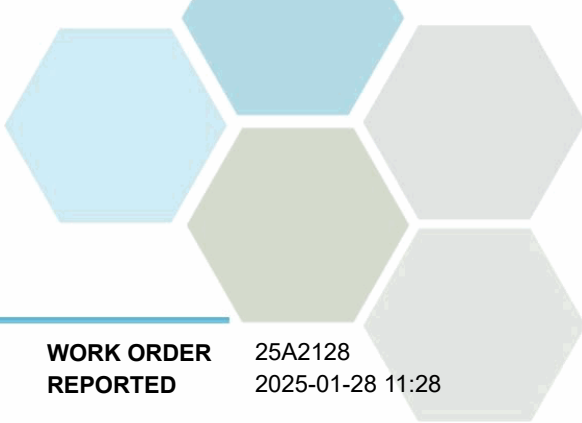
If you have any questions or concerns, please contact me at hhannaoui@caro.ca

Authorized By:

Hanane El Hannaoui
Junior Account Manager

1-888-311-8846 | www.caro.ca

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#108 4475 Wayburne Drive Burnaby, BC V5G 4X4



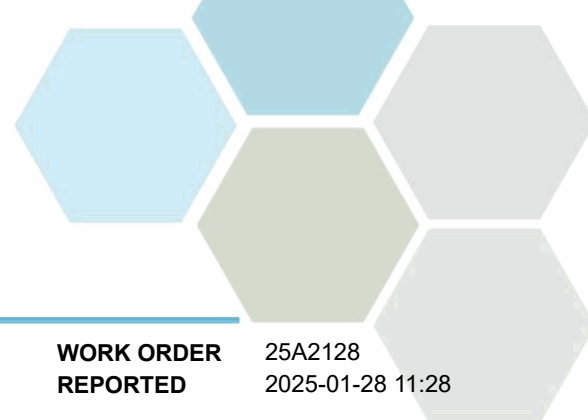
TEST RESULTS

REPORTED TO PROJECT	Osoyoos, Town of Wastewater- PE12214	WORK ORDER REPORTED	25A2128 2025-01-28 11:28
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Analyte	Result	RL	Units	Analyzed	Qualifier
E105001 (25A2128-01) Matrix: Water Sampled: 2025-01-21 11:05					PRES

General Parameters					
BOD, 5-day Carbonaceous	16.2	2.0	mg/L	2025-01-28	
Chemical Oxygen Demand	105	20	mg/L	2025-01-24	
Solids, Total Suspended	27.8	2.0	mg/L	2025-01-23	

Sample Qualifiers:					
PRES	Sample has been preserved for COD in the laboratory and the holding time has been extended.				



APPENDIX 1: SUPPORTING INFORMATION

REPORTED TO PROJECT Osoyoos, Town of
Wastewater- PE12214

WORK ORDER REPORTED 25A2128
2025-01-28 11:28

Analysis Description	Method Ref.	Technique	Accredited	Location
Biochemical Oxygen Demand, Carbonaceous in Water	SM 5210 B (2019)	Dissolved Oxygen Meter	✓	Kelowna
Chemical Oxygen Demand in Water	SM 5220 D* (2022)	Closed Reflux, Colorimetry	✓	Kelowna
Solids, Total Suspended in Water	Solids in Water, Filtered / SM 2540 D* (2020)	Solids in Water, Filtered / Gravimetry (Dried at 103-105C)	✓	Kelowna

Note: An asterisk in the Method Reference indicates that the CARO method has been modified from the reference method

Glossary of Terms:

RL	Reporting Limit (default)
mg/L	Milligrams per litre
SM	Standard Methods for the Examination of Water and Wastewater, American Public Health Association

General Comments:

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CERTIFICATE OF ANALYSIS

REPORTED TO Osoyoos, Town of
PO Box 3010
OSOYOOS, BC V0H 1V0

ATTENTION Maurice E Wutzke

PO NUMBER Wastewater
PROJECT Sewer
PROJECT INFO

WORK ORDER 25C3125

RECEIVED / TEMP REPORTED 2025-03-26 10:23 / 4.3°C
2025-04-01 15:01

COC NUMBER No Number

Introduction:

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Authorized By:

Hanane El Hannaoui
Junior Account Manager

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#108 4475 Wayburne Drive Burnaby, BC V5G 4X4

TEST RESULTS

REPORTED TO PROJECT Osoyoos, Town of
Sewer

WORK ORDER REPORTED 25C3125
2025-04-01 15:01

Analyte	Result	RL	Units	Analyzed	Qualifier
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Headworks (25C3125-01) | Matrix: Water | Sampled: 2025-03-25 10:50

General Parameters

Chemical Oxygen Demand	694	20	mg/L	2025-03-28	
Phosphorus, Total (as P)	7.83	0.0050	mg/L	2025-03-27	

Outlet Cell #3 (25C3125-02) | Matrix: Water | Sampled: 2025-03-25 11:00

FILT,
PRES

Anions

Nitrate (as N)	1.27	0.010	mg/L	2025-03-28	
Nitrite (as N)	0.163	0.010	mg/L	2025-03-28	

Calculated Parameters

Nitrate+Nitrite (as N)	1.44	0.0100	mg/L	N/A	
Nitrogen, Total	37.4	0.500	mg/L	N/A	
Nitrogen, Organic	2.31	0.500	mg/L	N/A	

General Parameters

Ammonia, Total (as N)	33.6	0.050	mg/L	2025-03-27	
Chemical Oxygen Demand	91	20	mg/L	2025-03-28	
Nitrogen, Total Kjeldahl	35.9	0.050	mg/L	2025-04-01	
Phosphorus, Total Dissolved	4.93	0.0050	mg/L	2025-03-27	
Phosphorus, Dissolved Reactive	4.22	0.0050	mg/L	2025-03-27	
Solids, Total Suspended	11.0	2.0	mg/L	2025-03-29	

Chlorine Contact (25C3125-03) | Matrix: Water | Sampled: 2025-03-25 11:20

Anions

Nitrate (as N)	3.08	0.010	mg/L	2025-03-28	
Nitrite (as N)	0.066	0.010	mg/L	2025-03-28	
Sulfate	60.0	1.0	mg/L	2025-03-28	

Calculated Parameters

Nitrate+Nitrite (as N)	3.15	0.0100	mg/L	N/A	
Nitrogen, Total	17.9	0.500	mg/L	N/A	

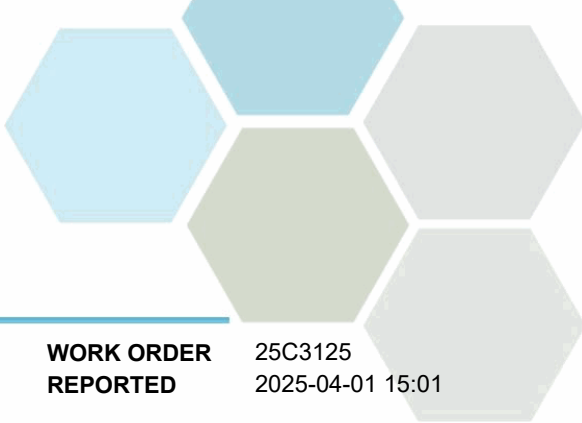
General Parameters

Chemical Oxygen Demand	46	20	mg/L	2025-03-28	
Nitrogen, Total Kjeldahl	14.7	0.050	mg/L	2025-04-01	
Phosphorus, Total (as P)	5.34	0.0050	mg/L	2025-03-27	
Solids, Total Suspended	4.2	2.0	mg/L	2025-03-29	

Microbiological Parameters

Coliforms, Total (Q-Tray)	1	1	MPN/100 mL	2025-03-26	
Coliforms, Fecal (Q-Tray)	< 1	1	MPN/100 mL	2025-03-26	

Total Metals



TEST RESULTS

REPORTED TO PROJECT	Osoyoos, Town of Sewer	WORK ORDER REPORTED	25C3125 2025-04-01 15:01
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Analyte	Result	RL	Units	Analyzed	Qualifier
Chlorine Contact (25C3125-03) Matrix: Water Sampled: 2025-03-25 11:20, Continued					
Total Metals, Continued					
Sodium, total	163		0.10 mg/L	2025-03-29	

Sample Qualifiers:

- FILT The sample has been filtered for DP in the laboratory. Results may not reflect conditions at the time of sampling.
- PRES Sample has been preserved for DP in the laboratory and the holding time has been extended.

APPENDIX 1: SUPPORTING INFORMATION

REPORTED TO PROJECT Osoyoos, Town of Sewer

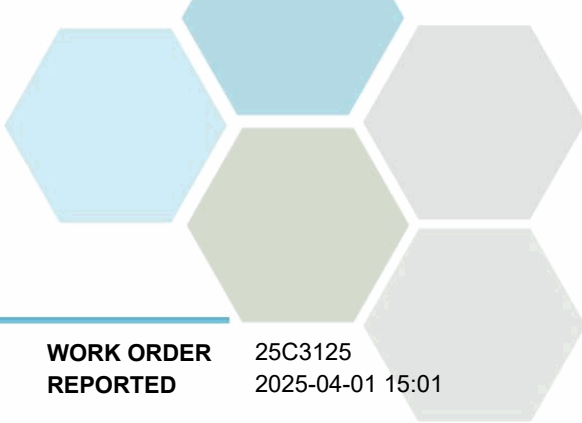
WORK ORDER REPORTED 25C3125
2025-04-01 15:01

Analysis Description	Method Ref.	Technique	Accredited	Location
Ammonia, Total in Water	SM 4500-NH3 G* (2021)	Automated Colorimetry (Phenate)	✓	Kelowna
Anions in Water	SM 4110 B (2020)	Ion Chromatography	✓	Kelowna
Chemical Oxygen Demand in Water	SM 5220 D* (2022)	Closed Reflux, Colorimetry	✓	Kelowna
Coliforms, Fecal in Water	SM 9223 (2016)	Quanti-Tray / Enzyme Substrate Endo Agar	✓	Kelowna
Coliforms, Total in Water	SM 9223 (2016)	Quanti-Tray / Enzyme Substrate Endo Agar	✓	Kelowna
Nitrogen, Total Kjeldahl in Water	SM 4500-Norg D* (2021)	Block Digestion and Flow Injection Analysis	✓	Kelowna
Phosphorus, Dissolved Reactive in Water	SM 4500-P F (2021)	Automated Colorimetry (Ascorbic Acid)	✓	Kelowna
Phosphorus, Total Dissolved in Water	SM 4500-P B.5* (2011) / SM 4500-P F (2021)	Persulfate Digestion / Automated Colorimetry (Ascorbic Acid)	✓	Kelowna
Phosphorus, Total in Water	SM 4500-P B.5* (2011) / SM 4500-P F (2021)	Persulfate Digestion / Automated Colorimetry (Ascorbic Acid)	✓	Kelowna
Solids, Total Suspended in Water	Solids in Water, Filtered / SM 2540 D* (2020)	Solids in Water, Filtered / Gravimetry (Dried at 103-105C)	✓	Kelowna
Total Metals in Water	EPA 200.2 / EPA 6020B	HNO3+HCl Hot Block Digestion / Inductively Coupled Plasma-Mass Spectroscopy (ICP-MS)	✓	Richmond

Note: An asterisk in the Method Reference indicates that the CARO method has been modified from the reference method

Glossary of Terms:

RL	Reporting Limit (default)
<	Less than the specified Reporting Limit (RL) - the actual RL may be higher than the default RL due to various factors
mg/L	Milligrams per litre
MPN/100 mL	Most Probable Number per 100 millilitres
EPA	United States Environmental Protection Agency Test Methods
SM	Standard Methods for the Examination of Water and Wastewater, American Public Health Association



APPENDIX 1: SUPPORTING INFORMATION

REPORTED TO PROJECT	Osoyoos, Town of Sewer	WORK ORDER REPORTED	25C3125 2025-04-01 15:01
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CERTIFICATE OF ANALYSIS

REPORTED TO Osoyoos, Town of
PO Box 3010
OSOYOOS, BC V0H 1V0

ATTENTION Maurice E Wutzke

PO NUMBER Wastewater
PROJECT Sewer
PROJECT INFO

WORK ORDER 25D2859

RECEIVED / TEMP REPORTED 2025-04-22 17:00 / 14.3°C
2025-04-30 11:35

COC NUMBER No Number

Introduction:

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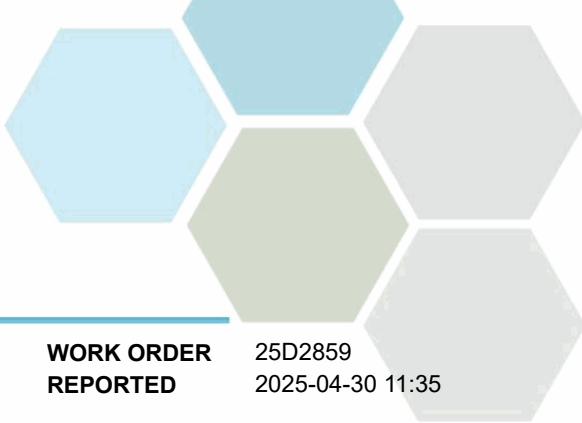
If you have any questions or concerns, please contact me at hhannaoui@caro.ca

Authorized By:

Hanane El Hannaoui
Junior Account Manager

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TEST RESULTS

REPORTED TO PROJECT	Osoyoos, Town of Sewer	WORK ORDER REPORTED	25D2859 2025-04-30 11:35
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Analyte	Result	RL	Units	Analyzed	Qualifier
Lagoons Contact Tank (25D2859-01) Matrix: Water Sampled: 2025-04-22 12:30					
Anions					
Nitrate (as N)	0.912	0.010	mg/L	2025-04-24	
Nitrite (as N)	0.491	0.010	mg/L	2025-04-24	
Sulfate	67.2	1.0	mg/L	2025-04-24	
Calculated Parameters					
Nitrate+Nitrite (as N)	1.40	0.0100	mg/L	N/A	
Nitrogen, Total	22.5	0.500	mg/L	N/A	
General Parameters					
Chemical Oxygen Demand	55	20	mg/L	2025-04-24	
Nitrogen, Total Kjeldahl	21.1	0.050	mg/L	2025-04-28	
Phosphorus, Total (as P)	4.53	0.0050	mg/L	2025-04-24	
Solids, Total Suspended	21.0	2.0	mg/L	2025-04-26	
Microbiological Parameters					
Coliforms, Total (Q-Tray)	< 1	1	MPN/100 mL	2025-04-23	
Coliforms, Fecal (Q-Tray)	< 1	1	MPN/100 mL	2025-04-23	
Total Metals					
Sodium, total	162	0.10	mg/L	2025-04-25	

Lagoons Cell #3 (25D2859-02) | Matrix: Water | Sampled: 2025-04-22 12:35

General Parameters					
BOD, 5-day Carbonaceous	16.9	8.0	mg/L	2025-04-29	
Solids, Total Suspended	19.2	2.0	mg/L	2025-04-26	

APPENDIX 1: SUPPORTING INFORMATION

REPORTED TO PROJECT Osoyoos, Town of Sewer

WORK ORDER REPORTED 25D2859
2025-04-30 11:35

Analysis Description	Method Ref.	Technique	Accredited	Location
Anions in Water	SM 4110 B (2020)	Ion Chromatography	✓	Kelowna
Biochemical Oxygen Demand, Carbonaceous in Water	SM 5210 B (2019)	Dissolved Oxygen Meter	✓	Kelowna
Chemical Oxygen Demand in Water	SM 5220 D* (2022)	Closed Reflux, Colorimetry	✓	Kelowna
Coliforms, Fecal in Water	SM 9223 (2016)	Quanti-Tray / Enzyme Substrate Endo Agar	✓	Kelowna
Coliforms, Total in Water	SM 9223 (2016)	Quanti-Tray / Enzyme Substrate Endo Agar	✓	Kelowna
Nitrogen, Total Kjeldahl in Water	SM 4500-Norg D* (2021)	Block Digestion and Flow Injection Analysis	✓	Kelowna
Phosphorus, Total in Water	SM 4500-P B.5* (2011) / SM 4500-P F (2021)	Persulfate Digestion / Automated Colorimetry (Ascorbic Acid)	✓	Kelowna
Solids, Total Suspended in Water	Solids in Water, Filtered / SM 2540 D* (2020)	Solids in Water, Filtered / Gravimetry (Dried at 103-105C)	✓	Kelowna
Total Metals in Water	EPA 200.2 / EPA 6020B	HNO ₃ +HCl Hot Block Digestion / Inductively Coupled Plasma-Mass Spectroscopy (ICP-MS)	✓	Richmond

Note: An asterisk in the Method Reference indicates that the CARO method has been modified from the reference method

Glossary of Terms:

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<	Less than the specified Reporting Limit (RL) - the actual RL may be higher than the default RL due to various factors
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MPN/100 mL	Most Probable Number per 100 millilitres
EPA	United States Environmental Protection Agency Test Methods
SM	Standard Methods for the Examination of Water and Wastewater, American Public Health Association

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CERTIFICATE OF ANALYSIS

REPORTED TO Osoyoos, Town of
PO Box 3010
OSOYOOS, BC V0H 1V0

ATTENTION Maurice E Wutzke

PO NUMBER Wastewater
PROJECT Sewer
PROJECT INFO

WORK ORDER 25E0824

RECEIVED / TEMP REPORTED 2025-05-07 08:26 / 14.6°C
2025-05-14 08:16

COC NUMBER No Number

Introduction:

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Authorized By:

Hanane El Hannaoui
Junior Account Manager

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TEST RESULTS

REPORTED TO PROJECT Osoyoos, Town of
Sewer

WORK ORDER REPORTED 25E0824
2025-05-14 08:16

Analyte	Result	RL	Units	Analyzed	Qualifier
Chlorine Contact Chamber (25E0824-01) Matrix: Water Sampled: 2025-05-06 10:30					
Anions					
Nitrate (as N)	2.73	0.010	mg/L	2025-05-08	
Nitrite (as N)	0.300	0.010	mg/L	2025-05-08	
Sulfate	60.5	1.0	mg/L	2025-05-08	
Calculated Parameters					
Nitrate+Nitrite (as N)	3.03	0.250	mg/L	N/A	
Nitrogen, Total	20.9	0.250	mg/L	N/A	
Nitrogen, Organic	0.670	0.500	mg/L	N/A	
General Parameters					
Ammonia, Total (as N)	17.2	0.050	mg/L	2025-05-09	
Chemical Oxygen Demand	67	20	mg/L	2025-05-09	
Nitrogen, Total Kjeldahl	17.8	0.050	mg/L	2025-05-09	
Phosphorus, Total (as P)	5.79	0.0050	mg/L	2025-05-08	
Solids, Total Suspended	2.4	2.0	mg/L	2025-05-10	
Microbiological Parameters					
Coliforms, Total (Q-Tray)	< 1	1	MPN/100 mL	2025-05-07	
Coliforms, Fecal (Q-Tray)	< 1	1	MPN/100 mL	2025-05-07	
Total Metals					
Sodium, total	173	0.10	mg/L	2025-05-09	

Outlet Cell #3 (25E0824-02) | Matrix: Water | Sampled: 2025-05-06 10:50

General Parameters					
BOD, 5-day Carbonaceous	10.6	8.0	mg/L	2025-05-12	
Solids, Total Suspended	28.0	2.0	mg/L	2025-05-10	

Pilot Plant (25E0824-03) | Matrix: Water | Sampled: 2025-05-06 10:55

General Parameters					
BOD, 5-day Carbonaceous	9.5	8.0	mg/L	2025-05-12	
Solids, Total Suspended	18.3	2.0	mg/L	2025-05-10	

APPENDIX 1: SUPPORTING INFORMATION

REPORTED TO PROJECT Osoyoos, Town of Sewer

WORK ORDER REPORTED 25E0824
2025-05-14 08:16

Analysis Description	Method Ref.	Technique	Accredited	Location
Ammonia, Total in Water	SM 4500-NH3 G* (2021)	Automated Colorimetry (Phenate)	✓	Kelowna
Anions in Water	SM 4110 B (2020)	Ion Chromatography	✓	Kelowna
Biochemical Oxygen Demand, Carbonaceous in Water	SM 5210 B (2019)	Dissolved Oxygen Meter	✓	Kelowna
Chemical Oxygen Demand in Water	SM 5220 D* (2022)	Closed Reflux, Colorimetry	✓	Kelowna
Coliforms, Fecal in Water	SM 9223 (2016)	Quanti-Tray / Enzyme Substrate Endo Agar	✓	Kelowna
Coliforms, Total in Water	SM 9223 (2016)	Quanti-Tray / Enzyme Substrate Endo Agar	✓	Kelowna
Nitrogen, Total Kjeldahl in Water	SM 4500-Norg D* (2021)	Block Digestion and Flow Injection Analysis	✓	Kelowna
Phosphorus, Total in Water	SM 4500-P B.5* (2011) / SM 4500-P F (2021)	Persulfate Digestion / Automated Colorimetry (Ascorbic Acid)	✓	Kelowna
Solids, Total Suspended in Water	Solids in Water, Filtered / SM 2540 D* (2020)	Solids in Water, Filtered / Gravimetry (Dried at 103-105C)	✓	Kelowna
Total Metals in Water	EPA 200.2 / EPA 6020B	HNO3+HCl Hot Block Digestion / Inductively Coupled Plasma-Mass Spectroscopy (ICP-MS)	✓	Richmond

Note: An asterisk in the Method Reference indicates that the CARO method has been modified from the reference method

Glossary of Terms:

RL	Reporting Limit (default)
<	Less than the specified Reporting Limit (RL) - the actual RL may be higher than the default RL due to various factors
mg/L	Milligrams per litre
MPN/100 mL	Most Probable Number per 100 millilitres
EPA	United States Environmental Protection Agency Test Methods
SM	Standard Methods for the Examination of Water and Wastewater, American Public Health Association

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Please note any regulatory guidelines applied to this report are added as a convenience to the client, at their request, to help provide some initial context to analytical results obtained. Although CARO makes every effort to ensure accuracy of the associated regulatory guideline(s) applied, the guidelines applied cannot be assumed to be correct due to a variety of factors and as such CARO Analytical Services assumes no liability or responsibility for the use of those guidelines to make any decisions. The original source of the regulation should be verified and a review of the guideline(s) should be validated as correct in order to make any decisions arising from the comparison of the analytical data obtained to the relevant regulatory guideline for one's particular circumstances. Further, CARO Analytical Services assumes no liability or responsibility for any loss attributed from the use of these guidelines in any way.

CERTIFICATE OF ANALYSIS

REPORTED TO Osoyoos, Town of
PO Box 3010
OSOYOOS, BC V0H 1V0

ATTENTION Maurice E Wutzke

PO NUMBER Wastewater

PROJECT Wastewater- PE12214

PROJECT INFO

WORK ORDER 25G1299

RECEIVED / TEMP 2025-07-09 08:38 / 5.1°C

REPORTED 2025-07-22 15:18

COC NUMBER No Number

Introduction:

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<https://www.caro.ca/terms-conditions>

If you have any questions or concerns, please contact me at hhannaoui@caro.ca

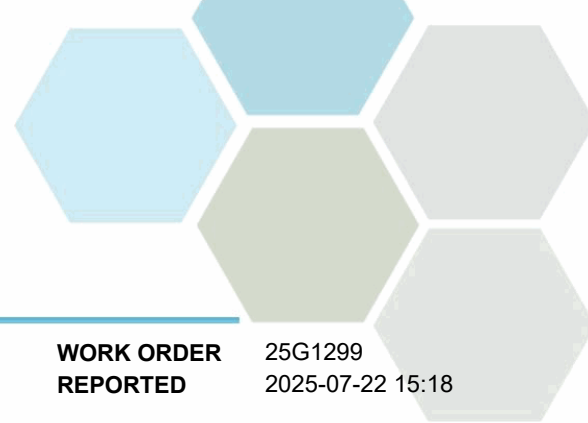
Authorized By:

Hanane El Hannaoui
Junior Account Manager



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TEST RESULTS

REPORTED TO PROJECT Osoyoos, Town of
Wastewater- PE12214

WORK ORDER REPORTED 25G1299
2025-07-22 15:18

Analyte	Result	RL	Units	Analyzed	Qualifier
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Outlet Of Cell #3 (25G1299-01) | Matrix: Water | Sampled: 2025-07-08 11:45

General Parameters

BOD, 5-day Carbonaceous	< 8.0	8.0	mg/L	2025-07-15	
Solids, Total Suspended	10.6	2.0	mg/L	2025-07-14	

Pilot Plant (25G1299-02) | Matrix: Water | Sampled: 2025-07-08 11:30

Anions

Nitrate (as N)	9.80	0.010	mg/L	2025-07-11	
Nitrite (as N)	0.652	0.010	mg/L	2025-07-11	
Sulfate	61.4	1.0	mg/L	2025-07-11	

Calculated Parameters

Nitrate+Nitrite (as N)	10.4	0.0100	mg/L	N/A	
Nitrogen, Total	19.6	0.100	mg/L	N/A	

General Parameters

Chemical Oxygen Demand	47	20	mg/L	2025-07-12	
Nitrogen, Total Kjeldahl	9.17	0.050	mg/L	2025-07-14	
Phosphorus, Total (as P)	6.40	0.0050	mg/L	2025-07-11	
Solids, Total Suspended	3.4	2.0	mg/L	2025-07-14	

Microbiological Parameters

Coliforms, Total (Q-Tray)	248	1	MPN/100 mL	2025-07-09	
Coliforms, Fecal (Q-Tray)	1	1	MPN/100 mL	2025-07-09	

Total Metals

Sodium, total	172	0.10	mg/L	2025-07-12	
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Chlorine Contact Chamber (25G1299-03) | Matrix: Water | Sampled: 2025-07-08 11:15

Anions

Nitrate (as N)	9.82	0.010	mg/L	2025-07-11	
Nitrite (as N)	0.661	0.010	mg/L	2025-07-11	
Sulfate	61.8	1.0	mg/L	2025-07-11	

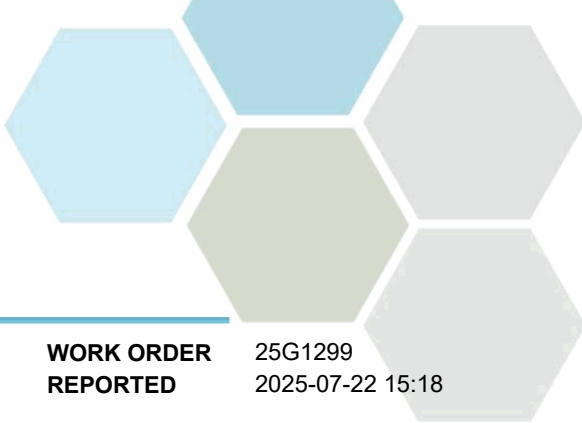
Calculated Parameters

Nitrate+Nitrite (as N)	10.5	0.100	mg/L	N/A	
Nitrogen, Total	19.9	0.200	mg/L	N/A	

General Parameters

Chemical Oxygen Demand	43	20	mg/L	2025-07-12	
Nitrogen, Total Kjeldahl	9.42	0.050	mg/L	2025-07-14	
Phosphorus, Total (as P)	6.56	0.0050	mg/L	2025-07-11	
Solids, Total Suspended	3.4	2.0	mg/L	2025-07-14	

Microbiological Parameters



TEST RESULTS

REPORTED TO PROJECT	Osoyoos, Town of Wastewater- PE12214	WORK ORDER REPORTED	25G1299 2025-07-22 15:18
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Analyte	Result	RL	Units	Analyzed	Qualifier
Chlorine Contact Chamber (25G1299-03) Matrix: Water Sampled: 2025-07-08 11:15, Continued					
Microbiological Parameters, Continued					
Coliforms, Total (Q-Tray)	411	1	MPN/100 mL	2025-07-09	
Coliforms, Fecal (Q-Tray)	< 1	1	MPN/100 mL	2025-07-09	
Total Metals					
Sodium, total	168	0.10	mg/L	2025-07-11	

APPENDIX 1: SUPPORTING INFORMATION

REPORTED TO PROJECT Osoyoos, Town of
Wastewater- PE12214

WORK ORDER REPORTED 25G1299
2025-07-22 15:18

Analysis Description	Method Ref.	Technique	Accredited	Location
Anions in Water	SM 4110 B (2020)	Ion Chromatography	✓	Kelowna
Biochemical Oxygen Demand, Carbonaceous in Water	SM 5210 B (2019)	Dissolved Oxygen Meter	✓	Kelowna
Chemical Oxygen Demand in Water	SM 5220 D* (2022)	Closed Reflux, Colorimetry	✓	Kelowna
Coliforms, Fecal in Water	SM 9223 (2016)	Quanti-Tray / Enzyme Substrate Endo Agar	✓	Kelowna
Coliforms, Total in Water	SM 9223 (2016)	Quanti-Tray / Enzyme Substrate Endo Agar	✓	Kelowna
Nitrogen, Total Kjeldahl in Water	SM 4500-Norg D* (2021)	Block Digestion and Flow Injection Analysis	✓	Kelowna
Phosphorus, Total in Water	SM 4500-P B.5* (2011) / SM 4500-P F (2021)	Persulfate Digestion / Automated Colorimetry (Ascorbic Acid)	✓	Kelowna
Solids, Total Suspended in Water	Solids in Water, Filtered / SM 2540 D* (2020)	Solids in Water, Filtered / Gravimetry (Dried at 103-105C)	✓	Kelowna
Total Metals in Water	EPA 200.2 / EPA 6020B	HNO ₃ +HCl Hot Block Digestion / Inductively Coupled Plasma-Mass Spectroscopy (ICP-MS)	✓	Richmond

Note: An asterisk in the Method Reference indicates that the CARO method has been modified from the reference method

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MPN/100 mL	Most Probable Number per 100 millilitres
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SM	Standard Methods for the Examination of Water and Wastewater, American Public Health Association

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CERTIFICATE OF ANALYSIS

REPORTED TO Osoyoos, Town of
PO Box 3010
OSOYOOS, BC V0H 1V0

ATTENTION Maurice E Wutzke

PO NUMBER Wastewater

PROJECT Sewer

PROJECT INFO

WORK ORDER 25H0549

RECEIVED / TEMP 2025-08-06 08:20 / 20.6°C

REPORTED 2025-08-13 15:09

COC NUMBER No Number

Introduction:

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Authorized By:

Hanane El Hannaoui
Junior Account Manager

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TEST RESULTS

REPORTED TO PROJECT Osoyoos, Town of
Sewer

WORK ORDER REPORTED 25H0549
2025-08-13 15:09

Analyte	Result	RL	Units	Analyzed	Qualifier
Outlet of Cell #3 (25H0549-01) Matrix: Water Sampled: 2025-08-05 07:30					
General Parameters					
BOD, 5-day Carbonaceous	40.4	8.0	mg/L	2025-08-13	
Solids, Total Suspended	44.0	2.0	mg/L	2025-08-07	
Chlorine Contact Chamber (25H0549-02) Matrix: Water Sampled: 2025-08-05 07:15					
Anions					
Nitrate (as N)	0.743	0.010	mg/L	2025-08-07	
Nitrite (as N)	0.290	0.010	mg/L	2025-08-07	
Sulfate	63.0	1.0	mg/L	2025-08-07	
Calculated Parameters					
Nitrate+Nitrite (as N)	1.03	0.100	mg/L	N/A	
Nitrogen, Total	20.9	0.500	mg/L	N/A	
General Parameters					
Chemical Oxygen Demand	65	20	mg/L	2025-08-07	
Nitrogen, Total Kjeldahl	19.9	0.050	mg/L	2025-08-11	
Phosphorus, Total (as P)	7.31	0.0050	mg/L	2025-08-11	
Solids, Total Suspended	20.0	2.0	mg/L	2025-08-07	
Microbiological Parameters					
Coliforms, Total (Q-Tray)	> 2420	1	MPN/100 mL	2025-08-06	
Coliforms, Fecal (Q-Tray)	34	1	MPN/100 mL	2025-08-06	
Total Metals					
Sodium, total	184	0.10	mg/L	2025-08-08	

APPENDIX 1: SUPPORTING INFORMATION

REPORTED TO PROJECT Osoyoos, Town of Sewer

WORK ORDER REPORTED 25H0549
2025-08-13 15:09

Analysis Description	Method Ref.	Technique	Accredited	Location
Anions in Water	SM 4110 B (2020)	Ion Chromatography	✓	Kelowna
Biochemical Oxygen Demand, Carbonaceous in Water	SM 5210 B (2019)	Dissolved Oxygen Meter	✓	Kelowna
Chemical Oxygen Demand in Water	SM 5220 D* (2022)	Closed Reflux, Colorimetry	✓	Kelowna
Coliforms, Fecal in Water	SM 9223 (2016)	Quanti-Tray / Enzyme Substrate Endo Agar	✓	Kelowna
Coliforms, Total in Water	SM 9223 (2016)	Quanti-Tray / Enzyme Substrate Endo Agar	✓	Kelowna
Nitrogen, Total Kjeldahl in Water	SM 4500-Norg D* (2021)	Block Digestion and Flow Injection Analysis	✓	Kelowna
Phosphorus, Total in Water	SM 4500-P B.5* (2011) / SM 4500-P F (2021)	Persulfate Digestion / Automated Colorimetry (Ascorbic Acid)	✓	Kelowna
Solids, Total Suspended in Water	Solids in Water, Filtered / SM 2540 D* (2020)	Solids in Water, Filtered / Gravimetry (Dried at 103-105C)	✓	Kelowna
Total Metals in Water	EPA 200.2 / EPA 6020B	HNO ₃ +HCl Hot Block Digestion / Inductively Coupled Plasma-Mass Spectroscopy (ICP-MS)	✓	Richmond

Note: An asterisk in the Method Reference indicates that the CARO method has been modified from the reference method

Glossary of Terms:

RL	Reporting Limit (default)
>	Greater than the specified Result
mg/L	Milligrams per litre
MPN/100 mL	Most Probable Number per 100 millilitres
EPA	United States Environmental Protection Agency Test Methods
SM	Standard Methods for the Examination of Water and Wastewater, American Public Health Association

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CERTIFICATE OF ANALYSIS

REPORTED TO Osoyoos, Town of
PO Box 3010
OSOYOOS, BC V0H 1V0

ATTENTION David Gordin

PO NUMBER Wastewater
PROJECT Sewer
PROJECT INFO

WORK ORDER 2511340

RECEIVED / TEMP REPORTED 2025-09-10 08:26 / 11.4°C
2025-09-17 09:29

COC NUMBER No Number

Introduction:

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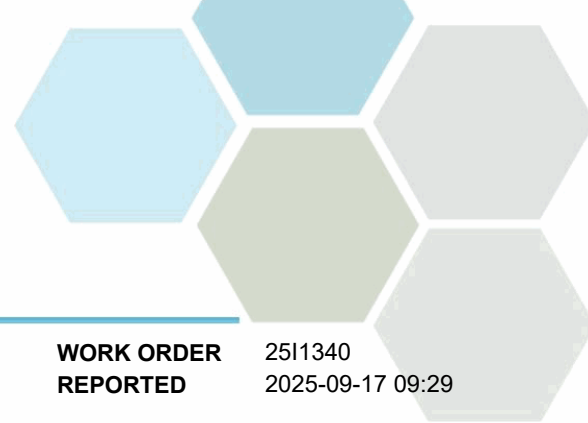
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Authorized By:

Hanane El Hannaoui
Junior Account Manager

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TEST RESULTS

REPORTED TO PROJECT Osoyoos, Town of
Sewer

WORK ORDER REPORTED 2511340
2025-09-17 09:29

Analyte	Result	RL	Units	Analyzed	Qualifier
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Headworks (2511340-01) | Matrix: Water | Sampled: 2025-09-09 08:00

General Parameters

Chemical Oxygen Demand	276	20	mg/L	2025-09-14	
Phosphorus, Total (as P)	8.36	0.0050	mg/L	2025-09-12	

Outlet of Cell #3 (2511340-02) | Matrix: Water | Sampled: 2025-09-09 08:15

FILT,
PRES

Anions

Nitrate (as N)	15.6	0.010	mg/L	2025-09-11	
Nitrite (as N)	12.6	0.010	mg/L	2025-09-11	

Calculated Parameters

Nitrate+Nitrite (as N)	28.2	0.100	mg/L	N/A	
Nitrogen, Total	34.6	0.100	mg/L	N/A	
Nitrogen, Organic	4.34	0.100	mg/L	N/A	

General Parameters

Ammonia, Total (as N)	2.04	0.050	mg/L	2025-09-11	
Chemical Oxygen Demand	78	20	mg/L	2025-09-14	
Nitrogen, Total Kjeldahl	6.38	0.050	mg/L	2025-09-15	
Phosphorus, Total Dissolved	5.25	0.0050	mg/L	2025-09-12	
Phosphorus, Dissolved Reactive	3.36	0.0050	mg/L	2025-09-11	
Solids, Total Suspended	44.0	2.0	mg/L	2025-09-11	

Chlorine Contact Chamber (2511340-03) | Matrix: Water | Sampled: 2025-09-09 08:30

Anions

Nitrate (as N)	9.31	0.010	mg/L	2025-09-11	
Nitrite (as N)	1.49	0.010	mg/L	2025-09-11	
Sulfate	59.7	1.0	mg/L	2025-09-11	

Calculated Parameters

Nitrate+Nitrite (as N)	10.8	0.0100	mg/L	N/A	
Nitrogen, Total	14.5	0.100	mg/L	N/A	

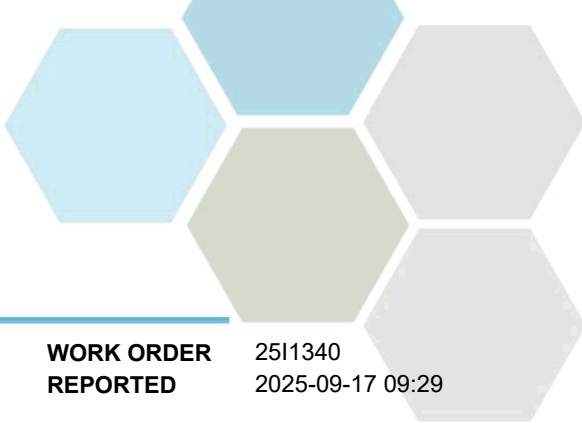
General Parameters

Chemical Oxygen Demand	49	20	mg/L	2025-09-14	
Nitrogen, Total Kjeldahl	3.65	0.050	mg/L	2025-09-15	
Phosphorus, Total (as P)	4.18	0.0050	mg/L	2025-09-12	
Solids, Total Suspended	6.2	2.0	mg/L	2025-09-11	

Microbiological Parameters

Coliforms, Total (Q-Tray)	970	1	MPN/100 mL	2025-09-10	
Coliforms, Fecal (Q-Tray)	1	1	MPN/100 mL	2025-09-10	

Total Metals

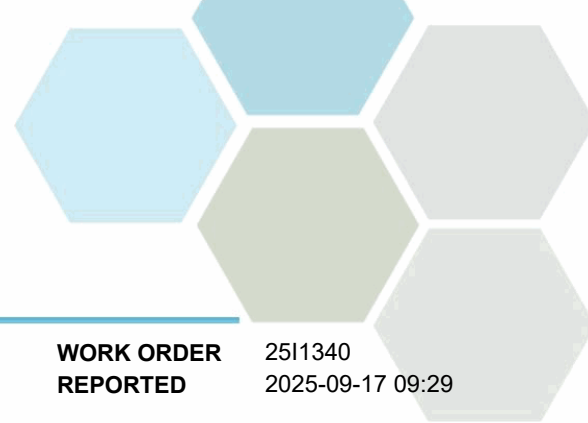


TEST RESULTS

REPORTED TO PROJECT	Osoyoos, Town of Sewer	WORK ORDER REPORTED	2511340 2025-09-17 09:29
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Analyte	Result	RL	Units	Analyzed	Qualifier
Chlorine Contact Chamber (2511340-03) Matrix: Water Sampled: 2025-09-09 08:30, Continued					
Total Metals, Continued					
Sodium, total	171	0.10	mg/L	2025-09-11	

Sample Qualifiers:	
FILT	The sample has been filtered for Total Dis P in the laboratory. Results may not reflect conditions at the time of sampling.
PRES	Sample has been preserved for Total Dis P in the laboratory and the holding time has been extended.



APPENDIX 1: SUPPORTING INFORMATION

REPORTED TO PROJECT Osoyoos, Town of Sewer

WORK ORDER REPORTED 2511340
2025-09-17 09:29

Analysis Description	Method Ref.	Technique	Accredited	Location
Ammonia, Total in Water	SM 4500-NH3 G* (2021)	Automated Colorimetry (Phenate)	✓	Kelowna
Anions in Water	SM 4110 B (2020)	Ion Chromatography	✓	Kelowna
Chemical Oxygen Demand in Water	SM 5220 D* (2022)	Closed Reflux, Colorimetry	✓	Kelowna
Coliforms, Fecal in Water	SM 9223 (2016)	Quanti-Tray / Enzyme Substrate Endo Agar	✓	Kelowna
Coliforms, Total in Water	SM 9223 (2016)	Quanti-Tray / Enzyme Substrate Endo Agar	✓	Kelowna
Nitrogen, Total Kjeldahl in Water	SM 4500-Norg D* (2021)	Block Digestion and Flow Injection Analysis	✓	Kelowna
Phosphorus, Dissolved Reactive in Water	SM 4500-P F (2021)	Automated Colorimetry (Ascorbic Acid)	✓	Kelowna
Phosphorus, Total Dissolved in Water	SM 4500-P B.5* (2011) / SM 4500-P F (2021)	Persulfate Digestion / Automated Colorimetry (Ascorbic Acid)	✓	Kelowna
Phosphorus, Total in Water	SM 4500-P B.5* (2011) / SM 4500-P F (2021)	Persulfate Digestion / Automated Colorimetry (Ascorbic Acid)	✓	Kelowna
Solids, Total Suspended in Water	Solids in Water, Filtered / SM 2540 D* (2020)	Solids in Water, Filtered / Gravimetry (Dried at 103-105C)	✓	Kelowna
Total Metals in Water	EPA 200.2 / EPA 6020B	HNO3+HCl Hot Block Digestion / Inductively Coupled Plasma-Mass Spectroscopy (ICP-MS)	✓	Richmond

Note: An asterisk in the Method Reference indicates that the CARO method has been modified from the reference method

Glossary of Terms:

RL	Reporting Limit (default)
mg/L	Milligrams per litre
MPN/100 mL	Most Probable Number per 100 millilitres
EPA	United States Environmental Protection Agency Test Methods
SM	Standard Methods for the Examination of Water and Wastewater, American Public Health Association

General Comments:

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CERTIFICATE OF ANALYSIS

REPORTED TO Osoyoos, Town of
PO Box 3010
OSOYOOS, BC V0H 1V0

ATTENTION David Gordin

PO NUMBER Wastewater
PROJECT Sewer

PROJECT INFO

WORK ORDER 2512461

RECEIVED / TEMP 2025-09-17 09:28 / 9.2°C
REPORTED 2025-09-19 13:51

COC NUMBER No Number

Introduction:

CARO Analytical Services is a testing laboratory full of smart, engaged scientists driven to make the world a safer and healthier place. Through our clients' projects we become an essential element for a better world. We employ methods conducted in accordance with recognized professional standards using accepted testing methodologies and quality control efforts. CARO is accredited by the Canadian Association for Laboratories Accreditation (CALA) to ISO/IEC 17025:2017 for specific tests listed in the scope of accreditation approved by CALA.

Big Picture Sidekicks



You know that the sample you collected after snowshoeing to site, digging 5 meters, and racing to get it on a plane so you can submit it to the lab for time sensitive results needed to make important and expensive decisions (whew) is VERY important. We know that too.

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<https://www.caro.ca/terms-conditions>

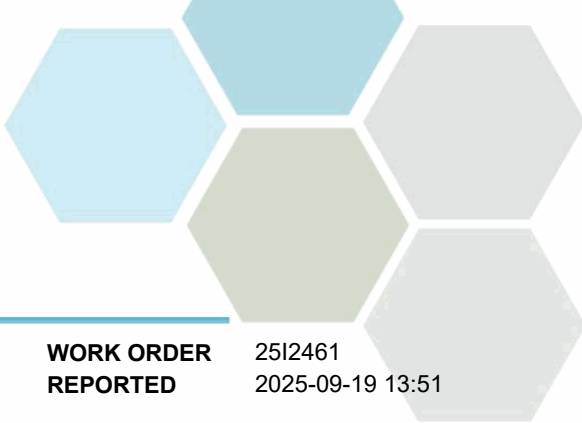
If you have any questions or concerns, please contact me at hhannaoui@caro.ca

Authorized By:

Hanane El Hannaoui
Junior Account Manager

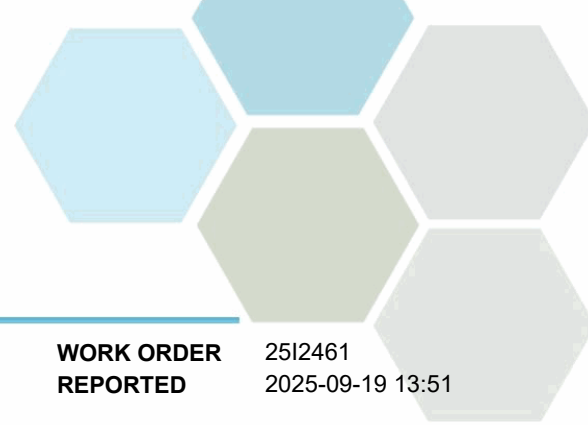
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#108 4475 Wayburne Drive Burnaby, BC V5G 4X4



TEST RESULTS

REPORTED TO PROJECT	Osoyoos, Town of Sewer	WORK ORDER REPORTED	2512461 2025-09-19 13:51		
Analyte	Result	RL	Units	Analyzed	Qualifier
E230037 (Headworks) (2512461-01) Matrix: Water Sampled: 2025-09-16 06:15					
General Parameters					
Phosphorus, Dissolved Reactive	2.04	0.0050	mg/L	2025-09-18	



APPENDIX 1: SUPPORTING INFORMATION

REPORTED TO PROJECT Osoyoos, Town of Sewer

WORK ORDER REPORTED 2512461
2025-09-19 13:51

Analysis Description	Method Ref.	Technique	Accredited	Location
Phosphorus, Dissolved Reactive in Water	SM 4500-P F (2021)	Automated Colorimetry (Ascorbic Acid)	✓	Kelowna

Glossary of Terms:

RL	Reporting Limit (default)
mg/L	Milligrams per litre
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CERTIFICATE OF ANALYSIS

REPORTED TO Osoyoos, Town of
PO Box 3010
OSOYOOS, BC V0H 1V0

ATTENTION Tyler Madsen

PO NUMBER Wastewater
PROJECT Sewer
PROJECT INFO

WORK ORDER 25L0336

RECEIVED / TEMP 2025-12-02 16:05 / 9.1°C
REPORTED 2025-12-10 08:28
COC NUMBER No Number

Introduction:

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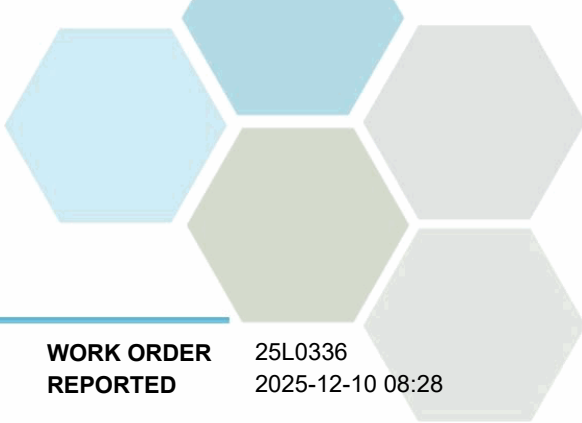
If you have any questions or concerns, please contact me at hhannaoui@caro.ca

Authorized By:

Hanane El Hannaoui
Junior Account Manager

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TEST RESULTS

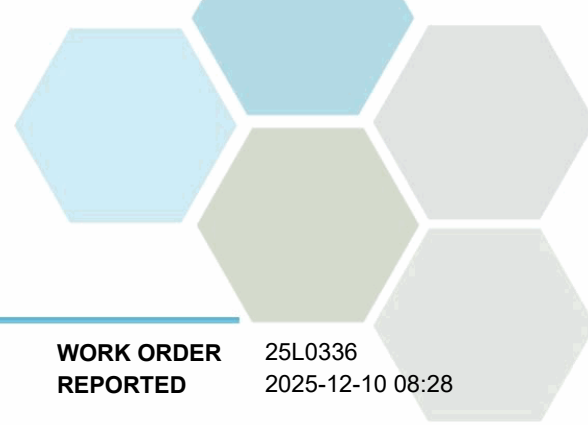
REPORTED TO PROJECT	Osoyoos, Town of Sewer	WORK ORDER REPORTED	25L0336 2025-12-10 08:28
---------------------	------------------------	---------------------	-----------------------------

Analyte	Result	RL	Units	Analyzed	Qualifier
Outlet of Cell #3 - E105001 (25L0336-01) Matrix: Water Sampled: 2025-12-02 09:15					PRES

General Parameters

Chemical Oxygen Demand	51	20	mg/L	2025-12-09
Solids, Total Suspended	16.7	1.8	mg/L	2025-12-05

Sample Qualifiers:					
PRES	Sample has been preserved for COD in the laboratory and the holding time has been extended.				



APPENDIX 1: SUPPORTING INFORMATION

REPORTED TO PROJECT Osoyoos, Town of
Sewer

WORK ORDER REPORTED 25L0336
2025-12-10 08:28

Analysis Description	Method Ref.	Technique	Accredited	Location
Chemical Oxygen Demand in Water	SM 5220 D* (2022)	Closed Reflux, Colorimetry	✓	Kelowna
Solids, Total Suspended in Water	Solids in Water, Filtered / SM 2540 D* (2020)	Solids in Water, Filtered / Gravimetry (Dried at 103-105C)	✓	Kelowna

Note: An asterisk in the Method Reference indicates that the CARO method has been modified from the reference method

Glossary of Terms:

RL	Reporting Limit (default)
mg/L	Milligrams per litre
SM	Standard Methods for the Examination of Water and Wastewater, American Public Health Association

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APPENDIX D

Storage Pond 2025 Water Level Summary (O.C. 5.4,
7.2.4.4)

Reclaimed Water Irrigation 2025 Total Flow Summary
(OC 7.2.4.11)

Reclaimed Water 2025 Residual Chlorine Summary (O.C.
4.1.2, 5.5.3, 7.2.4.6)

Lagoon 2025 Solar Power Generation Summary

January Lagoons/Blower Station 2025																				
Inspection				Storage			Discharge Total Volume m3						Pump #1				Pump #2			
Date	Time	Op	Security	Pond 1 %	Pond 2 %	Contact Tank %	Desert M3	Demand	Meadow M3	Demand	Combined M3	Total M3	Total Hours	Run Time	Amps	Hz	Total Hours	Run Time	Amps	Hz
2	1:00 PM	KC	Secure	34	68	4														
3	9:26AM	MM	Secure	34.7	68.3															
6	9:28 AM	KA	Secure	36.7	68.4															
7	1:33PM	MM	Secure	37.5	68.3															
8	2:34 PM	KA	Secure	38.1	68.3															
9	1:51 AM	KA	Secure	38.7	68.4															
10	1.11PM		Secure	39.4	68.4															
13	8:10AM	MM	Secure	41.1	68.3															
14	9:16AM	MM	Secure	41.7	68.3															
15	9:31 AM	KA	Secure	42.3	68.3															
16	9:25 AM	KA	Secure	42.9	68.3															
17	9:25 AM	KA	Secure	43.5	68.3															
20	9:21AM	MM	Secure	45.2	68.3															
21	10:48AM	MM	Secure	45.8	68.3															
22	7:50 AM	KA	Secure	46.3	68.3															
23	11.16AM	BJ	Secure	47	68.3															
24	8:23 AM	KA	Secure	47.5	68.3															
27	11:19 AM	KA	Secure	49.3	68.3															
28	8:30AM	MM	Secure	49.8	68.3															
29	11:12		Secure	50.4	68.3															
30	12:55 AM	KA	Secure	51	68.3															
31	9:19 AM	KA	Secure	51.5	68.3															

January Lagoons/Blower Station 2025																				
Inspection				Pump #3				Discharge		Air	Compressor #1					Compressor #2				
Date	Time	Op	Security	Total Hours	Run Time	Amps	Hz	PSI	GPM	Temp	Total Hours	Run Time	Amps	Hz	Temp	Total Hours	Run Time	Amps	Hz	Temp
2	1:00 PM	KC	Secure								17599	24	50	60	70	14831	24	45	60	68
3	9:26AM	MM	Secure								17619	24	50	60	71	14850	24	45	60	64
6	9:28 AM	KA	Secure								17689	24	50	60	71	14921	24	45	60	68
7	1:33PM	MM	Secure								17716	24	50	60	70	14948	24	45	60	69
8	2:34 PM	KA	Secure								17741	24	50	60	70	14973	24	45	60	69
9	1:51 AM	KA	Secure							1	17764	24	50	60	69	14995	24	45	60	68
10	1.11PM		Secure							1	17787	24	50	60	70	15018	24	45	60	69
13	8:10AM	MM	Secure							-5	17852	24	50	60	64	15083	24	46	60	63
14	9:16AM	MM	Secure							-2	17876	24	50	60	66	15108	24	45	60	64
15	9:31 AM	KA	Secure							-1	17900	24	50	60	68	15132	24	45	60	67
16	9:25 AM	KA	Secure							0	17924	24	50	60	68	15155	24	45	60	67
17	9:25 AM	KA	Secure							-2	17947	24	50	60	65	15178	24	45	60	63
20	9:21AM	MM	Secure							-7	18017	24	50	60	59	15248	24	45	60	58
21	10:48AM	MM	Secure							-2	18042	24	49	60	64	15273	24	45	60	62
22	7:50 AM	KA	Secure							-9	18063	24	50	60	64	15294	24	45	60	62
23	11.16AM	BJ	Secure							-3	18089	24	50	60	64	15321	24	45	60	62
24	8:23 AM	KA	Secure							-3	18110	24	50	60	64	15342	24	45	60	62
27	11:19 AM	KA	Secure							-4	18183	24	50	60	64	15415	24	45	60	62
28	8:30AM	MM	Secure							0	18204	24	50	60	62	15435	24	45	60	61
29	11:12		Secure							-1	18230	24	50	60	61	15461	24	45	60	60
30	12:55 AM	KA	Secure							-6	18255	24	50	60	56	15487	24	45	60	55
31	9:19 AM	KA	Secure							-1	18275	24	50	60	60	15506	24	45	60	60

January Lagoons/Blower Station 2025																							
Inspection				Compressor #3					Dis.	Chlorine									CL2 Tonner Scales (LBS)			CL2	
Date	Time	Op	Security	Total Hours	Run Time	Amps	Hz	Temp	PSI	GPM	PPD	CL2 Remaining	Demand	Total mg/L	Free mg/L	Demand mg/L	Ejector Supply PSI	Filter	Side 1	Side 2	Demand	Online/Portable	
2	1:00 PM	KC	Secure						9.1														
3	9:26AM	MM	Secure						8.9														
6	9:28 AM	KA	Secure	11955	0	0	0	0	8.9														
7	1:33PM	MM	Secure						9														
8	2:34 PM	KA	Secure	11955	0	0	0	0	8.9														
9	1:51 AM	KA	Secure	11955	0				8.9														
10	1.11PM		Secure	11955	0	0	0	0	8.9														
13	8:10AM	MM	Secure						8.9														
14	9:16AM	MM	Secure						9.2														
15	9:31 AM	KA	Secure						8.9														
16	9:25 AM	KA	Secure						9.1														
17	9:25 AM	KA	Secure						8.9														
20	9:21AM	MM	Secure						9.2														
21	10:48AM	MM	Secure						9.3														
22	7:50 AM	KA	Secure						8.9														
23	11.16AM	BJ	Secure						9.1														
24	8:23 AM	KA	Secure						9.1														
27	11:19 AM	KA	Secure						9.1														
28	8:30AM	MM	Secure						9.1														
29	11:12		Secure	11955					9.1														
30	12:55 AM	KA	Secure	11955					9.1														
31	9:19 AM	KA	Secure						9.1														

January Lagoons/Blower Station 2025																								
Inspection				Water Quality		Aeration Pond #1		Aeration Pond #2		Aeration Pond #3		Contact Tank						Air Temperatures						Solar Panels
Date	Time	Op	Security	Temp	pH	Dissolved Oxygen	Water Temp	Dissolved Oxygen	Water Temp	Dissolved Oxygen	Water Temp	Dissolved Oxygen	Water Temp	Total CL2 Residual	Free CL2 Residual	Storage Pond #1	Storage Pond #2	Online	Main	Tonner	Blowers	Pump Station	Total KWH	
2	1:00 PM	KC	Secure			3.76	10.4	3.2	5.9	12.54	4.5								20	20	32		881700	
3	9:26AM	MM	Secure			4.49	10	3.4	6	11.99	4.5								17	16	34		881700	
6	9:28 AM	KA	Secure			3.88	10.4	3.61	6.7	11.84	5.6								18	20	32		881833	
7	1:33PM	MM	Secure			5.2	10	4.35	5.6	11.95	5.6								18	20	35		881944	
8	2:34 PM	KA	Secure			4.13	10	4.87	6.4	12.47	4.7								18	20	34		881971	
9	1:51 AM	KA	Secure			4.78	9.7	5.51	6.2	12.69	3.9								19	19	32		881981	
10	1.11PM		Secure			5.5	9.5	5.76	6.1	12.56	4.1								18	19	32		881991	
13	8:10AM	MM	Secure			4.45	9.2	6.49	4.8	12.56	4.2								19	18	33		882170	
14	9:16AM	MM	Secure			4.62	9.5	6.63	4.8	12.75	3.8								17	19	31		882278	
15	9:31 AM	KA	Secure			5.14	9.6	6.38	5.6	12.72	4								19	19	32		882420	
16	9:25 AM	KA	Secure			5.31	9.3	6.24	5.6	12.51	4.2								19	19	32		882451	
17	9:25 AM	KA	Secure			5.67	9.2	6.44	5.2	12.45	4.1								18	18	30		882484	
20	9:21AM	MM	Secure			5.54	7.7	7.67	3.5	13.24	4.1								16	18	29		883039	
21	10:48AM	MM	Secure			5.56	8.3	7.89	3.7	13.42	2.6								16	17	31			
22	7:50 AM	KA	Secure			6.74	7.7	7.93	3.6	13.49	2.3								16	16	28		883383	
23	11.16AM	BJ	Secure			5.86	8.3	8.21	3.4	13.86	1.9								16	16	30		883671	
24	8:23 AM	KA	Secure			6.1	8.3	8.03	3.4	13.98	1.6								16	16	30		883775	
27	11:19 AM	KA	Secure			4.68	8.4	7.81	3.9	13.89	1.6								17	16	28		884425	
28	8:30AM	MM	Secure			4.96	8.3	7.92	3	13.65	2.1								18	16	30		884449	
29	11:12		Secure			5.5	7.9	7.96	2.8	14.06	1.4								18	16	27		884693	
30	12:55 AM	KA	Secure			5.17	7.9	7.7	3.7	14	1.4								11	16	19		884879	
31	9:19 AM	KA	Secure			5.2	8.2	7.46	3.7	13.72	1.5								10	14	18		884908	

February Lagoons/Blower Station 2025																				
Inspection				Storage			Discharge Total Volume m3						Pump #1				Pump #2			
Date	Time	Op	Security	Pond 1 %	Pond 2 %	Contact Tank %	Desert M3	Demand	Meadow M3	Demand	Combined M3	Total M3	Total Hours	Run Time	Amps	Hz	Total Hours	Run Time	Amps	Hz
3	9:25 AM	KA	Secure	53.3	68.3								1164	0			1378	0		
4	1:12 AM	KA	Secure	53.9	68.3															
5	2:34 PM	KA	Secure	54.5	68.3															
6	1:33 PM	KA	Secure	55	68.2															
7	8:50 PM	KA	Secure	55.5	68.2								1164	0			1378	0		
10	9:14AM		Secure	57.2	68.2								1164				1378			
11	2:13 PM	KA	Secure	57.9	68.2															
12	1:15 PM	KA	Secure	58.4	68.2															
13	10:51 AM	KA	Secure	58.9	68.2															
14	10.43	BJ	Secure	59.5	68.2								1164				1378			
18	8:42AM	MM	Secure	62	68.2								1164				1378			
19	1:06PM	KA	Secure	62.7	68.3								1164				1378			
20	11:06 AM		Secure	63.2	68.3								1164				1378			
21	1:05 PM		Secure	63.9	68.3								1164				1378			
24	8:15AM	KC	Secure	65.7	68.4															
25	9:30AM	KC	Secure	66.4	68.8															
26	1:45 PM	KA	Secure	66.4	69															
27	7:32 AM	KA	Secure	66.4	69.4															
28	7:24 AM	KA	Secure	66.4	69.8															

February Lagoons/Blower Station 2025																				
Inspection				Pump #3				Discharge		Air	Compressor #1					Compressor #2				
Date	Time	Op	Security	Total Hours	Run Time	Amps	Hz	PSI	GPM	Temp	Total Hours	Run Time	Amps	Hz	Temp	Total Hours	Run Time	Amps	Hz	Temp
3	9:25 AM	KA	Secure	1270	0					-14	18346	24	50	60	55	15577	24	45	60	54
4	1:12 AM	KA	Secure							-14	18373	24	50	60	55	15604	24	45	60	54
5	2:34 PM	KA	Secure							-12	18397	24	50	60	55	15629	24	45	60	54
6	1:33 PM	KA	Secure								18420	24	50	60	55	15651	24	45	60	53
7	8:50 PM	KA	Secure	1270	0					-8	18439	24	50	60	55	15670	24	45	60	53
10	9:14AM		Secure	1270						-13	18509	24	51	60	50	15741	24	46	60	49
11	2:13 PM	KA	Secure							-9	18538	24	50	60	61	15769	24	45	60	61
12	1:15 PM	KA	Secure							-10	18560	24	50	60	54	15792	24	45	60	54
13	10:51 AM	KA	Secure							-8	18581	24	50	60	55	15813	24	45	60	54
14	10.43	BJ	Secure	1270						-2	18605	24	50	60	62	15836	24	45	60	61
18	8:42AM	MM	Secure	1270						-1	18696	24	50	60	64	15928	24	46	60	66
19	1:06PM	KA	Secure	1270						2	18724	24	50	60	73	15956	24	45	60	71
20	11:06 AM		Secure	1270						3	18745	24	50	60	73	15977	24	45	60	71
21	1:05 PM		Secure	1270						2	18771	24	50	60	73	16002	24	45	60	71
24	8:15AM	KC	Secure							2	18836	24	50	60	73	16068	24	45	60	71
25	9:30AM	KC	Secure							6	18861	24	50	60	75	16092	24	45	60	74
26	1:45 PM	KA	Secure							9	18889	24	50	60	77	16120	24	45	60	76
27	7:32 AM	KA	Secure							3	18906	24	50	60	74	16138	24	45	60	71
28	7:24 AM	KA	Secure							1	18930	24	50	60	72	16161	24	45	60	71

February Lagoons/Blower Station 2025																							
Inspection				Compressor #3					Dis.	Chlorine									CL2 Tonner Scales (LBS)			CL2	
Date	Time	Op	Security	Total Hours	Run Time	Amps	Hz	Temp	PSI	GPM	PPD	CL2 Remaining	Demand	Total mg/L	Free mg/L	Demand mg/L	Ejector Supply PSI	Filter	Side 1	Side 2	Demand	Online/Portable	
3	9:25 AM	KA	Secure	11955	0	0	0	15	9.1														
4	1:12 AM	KA	Secure	11955	0	0	0	15	9.1														
5	2:34 PM	KA	Secure	11955	0	0	0		9.2														
6	1:33 PM	KA	Secure	11955	0	0	0		9.2														
7	8:50 PM	KA	Secure	11955	0	0	0	16	9.2														
10	9:14AM		Secure	11955	0	0	0	10	9.2														
11	2:13 PM	KA	Secure	11955	0	0	0		9.2														
12	1:15 PM	KA	Secure	11955	0	0	0		9.2														
13	10:51 AM	KA	Secure	11955	0	0	0		9.2														
14	10.43	BJ	Secure	11955	0	0	0	21	9.2														
18	8:42AM	MM	Secure						9.1														
19	1:06PM	KA	Secure	11955				31	9.1														
20	11:06 AM		Secure	11955					9.1														
21	1:05 PM		Secure	11955					9.1														
24	8:15AM	KC	Secure						9.1														
25	9:30AM	KC	Secure						9.1														
26	1:45 PM	KA	Secure	11955	0	0	0		9.1														
27	7:32 AM	KA	Secure	11955	0	0	0		9.1														
28	7:24 AM	KA	Secure	119555	0	0	0		9.1														

Febuary Lagoons/Blower Station 2025																							
Inspection				Water Quality		Aeration Pond #1		Aeration Pond #2		Aeration Pond #3		Contact Tank						Air Temperatures					Solar Panels
Date	Time	Op	Security	Temp	pH	Dissolved Oxygen	Water Temp	Dissolved Oxygen	Water Temp	Dissolved Oxygen	Water Temp	Dissolved Oxygen	Water Temp	Total CL2 Residual	Free CL2 Residual	Storage Pond #1	Storage Pond #2	Online	Main	Tonner	Blowers	Pump Station	Total KWH
3	9:25 AM	KA	Secure			4.46	7.3	7.02	3.4	13.71	1.3								12	14	18		885402
4	1:12 AM	KA	Secure			6	5.8	7.66	2.1	14.01	1.1								12	14	20		885518
5	2:34 PM	KA	Secure			6.32	5.5	8.37	1.1	14.2	1								10	14	19		885848
6	1:33 PM	KA	Secure			6.63	5.4	8.76	0.7	14.25	1								6	13	18		885882
7	8:50 PM	KA	Secure			6.96	4.6	9.09	0.1	14.36	1								10	15	19	20	885951
10	9:14AM		Secure			4.55	6.1	9.01	1.1	14.76	0.5								4	10	12		886700
11	2:13 PM	KA	Secure			5.57	6.3	8.79	1.3	14.4	1								15	17	24		887299
12	1:15 PM	KA	Secure			5.93	6.3	8.9	1.1	14.54	0.7								8	12	17		887620
13	10:51 AM	KA	Secure			5.83	6.1	8.64	1.2	14.02	1.3								12	16	20	20	887807
14	10.43	BJ	Secure			5.13	7.3	8.14	1.7	14.1	0.8								14	16	27		887959
18	8:42AM	MM	Secure			2.83	8.7	6.95	2.3	13.9	1.9								15	18	31		888838
19	1:06PM	KA	Secure			4.71	9.1	6.22	3.9	13.26	2								20	20	34		888485
20	11:06 AM		Secure			5.83	9.1	5.87	4.2	13.51	1.5								20	20	34		888520
21	1:05 PM		Secure			4.87	8.9	5.71	4.6	13.6	1.3								19	20	34		888588
24	8:15AM	KC	Secure			4.35	9	5.01	4.5	13.61	1.1								19	20	34		888688
25	9:30AM	KC	Secure			4.11	9.3	4.69	5.2	12.84	2.3								22	22	34		888754
26	1:45 PM	KA	Secure			4.9	9.8	4.61	6.6	13.1	2.4								20	21	34		889057
27	7:32 AM	KA	Secure			5.38	9.1	4.47	6.3	13.55	1.6								20	22	34		889099
28	7:24 AM	KA	Secure			4.95	9.6	4.42	6	13.19	2.4								21	21	36		889388

March Lagoons/Blower Station 2025																				
Inspection				Storage			Discharge Total Volume m3						Pump #1				Pump #2			
Date	Time	Op	Security	Pond 1 %	Pond 2 %	Contact Tank %	Desert M3	Demand	Meadow M3	Demand	Combined M3	Total M3	Total Hours	Run Time	Amps	Hz	Total Hours	Run Time	Amps	Hz
3	11:46		Secure	66.3	71.3								1164				1378			
4	1:26 PM	KA	Secure	66.3	71.8															
5	3:03PM	KC	Secure	66.3	72.2															
6	8:28AM	MM	Secure	66.3	72.6															
7	12:46PM	KC	Secure	66.3	73															
10	2:39 PM	KA	Secure	66.3	74.3															
11	2:38 PM	KA	Secure	66.2	74.7								1164				1378			
12	1:46 PM	KA	Secure	66.2	75.1															
13	12:55 PM	KA	Secure	66.6	75.8															
14	1:09 PM	KA	Secure	66.6	76.1	83	571909		674424			1246333	1164	0			1378	0		
17	7:54AM		Secure	66.6	77.4	92.6	571909	0	674424	0	0	1246333	1164	0			1378	0		
18	9:15AM		Secure	66.5	71.5	89.5	571909	59.5	674573	557.2	616.7	1246482	1164	0			1378	0		
19	8:24AM	MM	Secure	66.5	77.8	90.9	572154	245	674995	422	667	1247149	1164	0			1378	0		
20	8:25AM	KC	Secure	66.5	78.3	86.2	572154	12.3	674995	32.6	44.9	1247149								
21	9:30AM	KC	Secure	66.5	77.3	91.5	574063	1506	677798	1946	3452	1251861	1164	0			1379	0.75		
24	2.13PM	BJ	Secure	66.4	78.5	90.6	574063	0.5	677803	256.4	256.9	1251866	1164	0			1379	0		
25	11:00AM	BJ	Secure	66.4	78.8	83.8	574063	0.5	677803	319.8	320.3	1251866	1164	0			1379	0		
26	11:08 AM	KA	Secure	66.4	77.8	86	576140	1483.2	680969	2343.5	3826.7	1257109	1164	0			1380	0.72		
27	12:47 AM	KA	Secure	66.4	76.9	88.8	578220	2266.2	683499	3256.7	5522.9	1261719	1164	0			1381	1.21		
28	12:42 AM	KA	Secure	66.6	77.4	82.4	578220	789.9	683552	1184.8	1974.7	1261772	1164	0			1381	0		
31	9:02 AM	KA	Secure	66.6	77.5	86.8	580107	1515.2	686495	2021	3536.2	1266602	1164	0			1382	0.74		

March Lagoons/Blower Station 2025																				
Inspection				Pump #3				Discharge		Air	Compressor #1					Compressor #2				
Date	Time	Op	Security	Total Hours	Run Time	Amps	Hz	PSI	GPM	Temp	Total Hours	Run Time	Amps	Hz	Temp	Total Hours	Run Time	Amps	Hz	Temp
3	11:46		Secure	1270						13	19004	24	50	60	81	16235	24	45	60	81
4	1:26 PM	KA	Secure							7	19029	24	50	60	78	16261	24	45	60	77
5	3:03PM	KC	Secure							11	19054	24	50	60	72	16285	24	45	60	71
6	8:28AM	MM	Secure							5	19071	24	50	60	66	16302	24	44	0	66
7	12:46PM	KC	Secure							8	19099	24	50	60	66	16330	24	44	60	66
10	2:39 PM	KA	Secure							9	19170	24	49	60	70	16401	24	44	60	69
11	2:38 PM	KA	Secure	1270						8	19193	24	49	60	66	16425	24	44	60	65
12	1:46 PM	KA	Secure							8	19216	24	49	60	66	16447	24	45	60	65
13	12:55 PM	KA	Secure							6	19239	24	50	60	67	16470	24	45	60	66
14	1:09 PM	KA	Secure	1271	0					7	19262	24	49	60	65	16494	24	44	60	65
17	7:54AM		Secure	1271	0					0	19327	24	50	60	57	16559	24	45	60	56
18	9:15AM		Secure	1273	1.23					2	19352	24	50	60	62	16583	24	44	60	61
19	8:24AM	MM	Secure	1274	2.15					4	19375	24	49	60	60	16606	24	45	60	59
20	8:25AM	KC	Secure							3	19398	24	50	60	62	16629	24	45	60	61
21	9:30AM	KC	Secure	1284	6.15					5	19423	24	50	60	67	16655	24	45	60	67
24	2.13PM	BJ	Secure	1286	0.36					13	19497	24	50	60	72	16729	24	45	60	72
25	11:00AM	BJ	Secure	1286	0.53					12	19518	24	50	60	72	16729	24	45	60	72
26	11:08 AM	KA	Secure	1297	6.86					10	19541	24	50	60	71	16773	24	45	60	70
27	12:47 AM	KA	Secure	1307	9.99					13	19566	24	49	60	76	16798	24	44	60	75
31	9:02 AM	KA	Secure	1317	6.36					8	19657	24	49	60	70	16888	24	45	60	66

March Lagoons/Blower Station 2025																							
Inspection				Compressor #3					Dis.	Chlorine									CL2 Tonner Scales (LBS)			CL2	
Date	Time	Op	Security	Total Hours	Run Time	Amps	Hz	Temp	PSI	GPM	PPD	CL2 Remaining	Demand	Total mg/L	Free mg/L	Demand mg/L	Ejector Supply PSI	Filter	Side 1	Side 2	Demand	Online/Portable	
3	11:46		Secure	11955					9.1														
4	1:26 PM	KA	Secure	11955					9.1														
5	3:03PM	KC	Secure	11955					8.9														
6	8:28AM	MM	Secure	11955					8.8														
7	12:46PM	KC	Secure	11955					9.1														
10	2:39 PM	KA	Secure	11955					9														
11	2:38 PM	KA	Secure	11955					9														
12	1:46 PM	KA	Secure	11955					9.1														
13	12:55 PM	KA	Secure	11955					9.1														
14	1:09 PM	KA	Secure	11955					9.1	0	0	1970	30	8.8	1.18	7.62	66	Good	1970	1985	30		
17	7:54AM		Secure	11955					9.1	0	0	1970	0	6.5	0.8	5.7	66	Good	1970	1985	0		
18	9:15AM		Secure	11955	0				9.1	0	220	1960	10	8.8	0.26	8.54	52	Good	1960	1985	10		
19	8:24AM	MM	Secure	11955	0				8.8	0	0	1945	15	4.2	0.28	3.92	62	Good	1945	1985	15		
20	8:25AM	KC	Secure	11955					9.1		200	1940	5	8.3	0.2	8.1	52	Good	1940	1985	5		
21	9:30AM	KC	Secure	11955					9.1	0	200	1860	80	8.8	0.91	7.89	52	Good	1860	1985	80		
24	2.13PM	BJ	Secure	11955					9.1	0	0	1840	20	7.4	0.32	7.08	62	Good	1840	1985	20		
25	11:00AM	BJ	Secure	0					9.1	0	0	1835	5	7.2	0.08	7.121	62	Good	1835	1985	5		
26	11:08 AM	KA	Secure	0	0				9	0	0	1745	90	8.8	0.25	8.55	70	Cleaned	1745	1985	90	0/0	
27	12:47 AM	KA	Secure	0	0				9	0	0	1660	85	8.8	0.29	8.51	66	Good	1660	1985	85	0/0	
28	12:42 AM	KA	Secure	0	0				9	0	0	1660	0	8.1	0.24	7.86	65	Good	1660	1985	0	0/0	
31	9:02 AM	KA	Secure	0	0				9	0	0	1580	80	8.8	0.28	8.52	68	Good	1580	1985	80	0/0	

March Lagoons/Blower Station 2025																							
Inspection				Water Quality		Aeration Pond #1		Aeration Pond #2		Aeration Pond #3		Contact Tank						Air Temperatures					Solar Panels
Date	Time	Op	Security	Temp	pH	Dissolved Oxygen	Water Temp	Dissolved Oxygen	Water Temp	Dissolved Oxygen	Water Temp	Dissolved Oxygen	Water Temp	Total CL2 Residual	Free CL2 Residual	Storage Pond #1	Storage Pond #2	Online	Main	Tonner	Blowers	Pump Station	Total KWH
3	11:46		Secure			3.5	10.8	2.91	8.4	12.17	4.7								24	25	40		890573
4	1:26 PM	KA	Secure			3.23	10.6	3.08	7.8	11.77	5.2								23	24	38		890846
5	3:03PM	KC	Secure			2.15	11.2	3.16	8.4	11.57	6.2								16	17	26		891238
6	8:28AM	MM	Secure			3.03	12.2	3.07	7.7	11.61	5.6								12	15	20		891303
7	12:46PM	KC	Secure			2.65	10.8	2.69	8.5	11.18	6.7								12	14	20		891806
10	2:39 PM	KA	Secure			0.96	11	2.56	9.1	10.85	7.6								11	16	21		892487
11	2:38 PM	KA	Secure			2.6	7.8	2.83	8.8	10.94	7								10	14	19		892621
12	1:46 PM	KA	Secure			3.41	10.4	3.05	8.8	10.84	7								11	14	20		892669
13	12:55 PM	KA	Secure			3.81	10.9	3.07	9	10.82	7.3								13	15	22		892803
14	1:09 PM	KA	Secure			3.61	11	3.2	8.9	11.04	7.4	9.29	6.5	8.8	1.18				12	12	21		893210
17	7:54AM		Secure			2.39	10.9	3.41	8.1	11.48	6.3	9.24	6	6.5	0.8				6	10	14		893598
18	9:15AM		Secure			2.56	11.1	3.46	8.5	11.27	7.6	8.41	5.8	8.8	0.26				8	16	16		894040
19	8:24AM	MM	Secure			3.31	11.1	3.35	8.6	11.59	6.9	9.6	6	4.2	0.28				8	13	16		894413
20	8:25AM	KC	Secure			3.5	11	2.98	8.5	11.47	7.1	9.57	7.1	8.3	0.2				6	12	15		894528
21	9:30AM	KC	Secure			3.1	11.1	2.49	9	11.39	7.8	8.94	7.8	8.8	0.91				10	18	15		894917
24	2.13PM	BJ	Secure			0.5	13	1.02	10.4	10.62	9.2	8.5	8.6	7.4	0.32				12	16	22		895740
25	11:00AM	BJ	Secure			1.71	13.2	0.73	10.7	10.45	9.3	8.2	8.7	7.2	0.08				12	16	21		895853
26	11:08 AM	KA	Secure			2.01	13.5	0.8	11.6	9.7	10.8	9.41	8.9	8.8	0.25				16	17	25	22	896101
27	12:47 AM	KA	Secure			1.58	13.8	0.61	12.5	9.22	11.2	9.63	10.2	8.8	0.29				16	18	24		896390
31	9:02 AM	KA	Secure			1.52	14.1	0.46	13	8.71	12.5	9.01	10.4	8.8	0.28				11	17	20	22	897486

April Lagoons/Blower Station 2025																				
Inspection				Storage			Discharge Total Volume m3						Pump #1				Pump #2			
Date	Time	Op	Security	Pond 1 %	Pond 2 %	Contact Tank %	Desert M3	Demand	Meadow M3	Demand	Combined M3	Total M3	Total Hours	Run Time	Amps	Hz	Total Hours	Run Time	Amps	Hz
1	10:39 AM	KA	Secure	66.7	78.1	88.8	580108	550.3	686495	1228.2	1778.5	1266603	1164	0	0	0	1382	0	0	0
2	2:11 AM	KA	Secure	66.6	79	86	580108	82.2	686529	25	107.2	1953167	1164	0	0	0	1382	0	0	0
4	11.08AM	BJ	Secure	66.6	78.9	92.1	580530	433.9	686530	252.7	686.6	1267060	1164	0	0	0	1382	0	0	0
7	8:52 AM	KA	Secure	66.6	78.4	91.7	582498	0.3	690568	256.8	257.1	1273066	1164	0	0	0	1384	0	0	0
8	8:26AM	BJ	Secure	66.5	72.8	87.9	582498	140.3	690568	254	394.3	1273066	1164	0	0	0	1384	0	0	0
9	10:36AM	BJ	Secure	66.5	79.2	89.8	582498	134.1	690568	106	240.1	1273066	1164	0	0	0	1384	0	0	0
10	10:42 AM	KA	Secure	66.6	78.2	86.8	584418	1535.7	693271	1909.5	3445.2	1277689	1164	0	0	0	1386	0.68	0	0
11	10:35 AM	KA	Secure	67	78.2	83.1	584419	742.3	693271	1367.5	2651.8	1277690	1164	0	0	0	1386	0.67	0	0
14	1:12 PM	KA	Secure	65.4	78.1	85.6	588007	1550.7	698310	1959.7	3510.4	1286317	1164	0	0	0	1387	0	0	0
15	2:50 PM	KA	Secure	65.8	78	91.3	588007	517.9	698312	1052	1569.9	1286319	1164	0	0	0	1387	0	0	0
16	2:16 PM	KA	Secure	66.1	78	88.6	588011	181.9	698458	209.9	391.8	1286469	1164	0	0	0	1387	0	0	0
17	1:07 PM	KA	Secure	64.7	77.9	89.1	590074	1633.9	701407	1913.3	3547.2	1288532	1164	0	0	0	1388	0.62	0	0
21	1:16 PM	KA	Secure	62.7	77.8	88.6	594141	1559.2	708445	2191.2	3472.5	1302586	1164	0	0	0	1391	0.57	0	0
22	12:47 PM	KA	Secure	61.7	77.8	83.2	595815	2388.4	710774	3450.4	5838.8	1306589	1164	0	0	0	1392	1.49	0	0
23	12:57 PM	KA	Secure	62	77.7	92.4	595815	440.3	711168	951.1	1391.4	1306983	1164	0	0	0	1392	0.52		
24	1:50PM	SF	Secure	60.8	77.7	88	597558	1509.2	714194	2439.5	3948.7	1311752	1164	0	0	0	1393	0.68	0	0
25	9:43AM	SF	Secure	60.2	77.7	91	598548	1637.2	715781	2989.8	4627	1314329	1164	0	0	0	1394	1.38	0	0
28	1:15PM	MM	Secure	58.3	77.5	83	602229	2128.7	722368	3605.2	5733.9	1324597	1164	0	0	0	1397	1.02	0	0
29	10:35AM	MM	Secure	43.6	77.5	90	602229	386	722368	983.2	1369.2	1324597	1164				1397	0.52		
30	8:11AM	SF	Secure	59	77.4	90.7	602346	392.4	722369	20.3	412.7	1324715	1164	0	0	0	1397	0	0	0

April Lagoons/Blower Station 2025																				
Inspection				Pump #3				Discharge		Air	Compressor #1					Compressor #2				
Date	Time	Op	Security	Total Hours	Run Time	Amps	Hz	PSI	GPM	Temp	Total Hours	Run Time	Amps	Hz	Temp	Total Hours	Run Time	Amps	Hz	Temp
1	10:39 AM	KA	Secure	1317	3.35	0	0			8	19681	24	50	60	69	16913	24	45	60	68
2	2:11 AM	KA	Secure	1317	0.2	0	0			14	19732	24	49	60	73	16963	24	44	60	72
4	11.08AM	BJ	Secure	1320	1.37	0	0			11	19752	24	49	60	69	16984	24	44	60	66
7	8:52 AM	KA	Secure	1332	0.53	0	0			11	19821	24	50	60	74	17052	24	45	60	72
8	8:26AM	BJ	Secure	1332	0.75	0	0			8	19843	24	50	60	73	17075	24	45	60	68
9	10:36AM	BJ	Secure	1333	0.38	0	0			11	19869	24	50	60	70	17100	24	45	60	70
10	10:42 AM	KA	Secure	1343	6.41	0	0			12	19890	24				17124	24	52	60	89
11	10:35 AM	KA	Secure	1343	3.75	0	0			12	19890	0				17147	24	53	60	86
14	1:12 PM	KA	Secure	1361	6.22	0	0			17	19890	0				17220	24	53	60	90
15	2:50 PM	KA	Secure	1361	2.91	0	0			19	19890	0				17245	24	53	60	96
16	2:16 PM	KA	Secure	1362	0.65	0	0			16	19890	0				17268	24	53	60	81
17	1:07 PM	KA	Secure	1372	6.25	0	0			17	19890	0				17291	24	53	60	91
21	1:16 PM	KA	Secure	1394	6.41	0	0			13	19890	0				17384	24	53	60	81
22	12:47 PM	KA	Secure	1402	9.95	0	0			14	19890	0				17407	24	53	60	89
23	12:57 PM	KA	Secure	1404	2.61					16	19890	0				17431	24	53	60	90
24	1:50PM	SF	Secure	1413	6.99	0	0			19	19890	0	0	0		17455	24	53	60	95
25	9:43AM	SF	Secure	1418	7.96	0	0			12	19890	0	0	0		17474	24	53	60	86
28	1:15PM	MM	Secure	1437	10.16	0	0			21	19890	0	0	0		17548	24	53	60	89
29	10:35AM	MM	Secure	1438	2.6					17	19890					17569	24	53	60	92
30	8:11AM	SF	Secure	1439	1.13	0	0			11	19890	0	0	0		17590	24	53	60	87

May Lagoons/Blower Station 2025																				
Inspection				Storage			Discharge Total Volume m3						Pump #1				Pump #2			
Date	Time	Op	Security	Pond 1 %	Pond 2 %	Contact Tank %	Desert M3	Demand	Meadow M3	Demand	Combined M3	Total M3	Total Hours	Run Time	Amps	Hz	Total Hours	Run Time	Amps	Hz
1	7:40AM	SF	Secure	59.6	75.7	89.7	604503	1849	725414	1997.2	3846.2	1329917	1164	0	0	0	1399	1.52	0	0
2	8:23AM	KC	Secure	60.2	75.5	92	604503	1007	725432	1870	2877	1329935	1164				1399	85		
5	12:53PM	KC	Secure	62.4	66.4	85.4	608432	531	730803	1246	1777	1339235	1164				1406	0.75		
6	8:45AM	KC	Secure	62.8	72	86.9	608433	311	730804	119	430	1339237	1164				1406			
7	1:30PM	SF	Secure	63.5	70.9	90.4	609701	1650.7	732598	1845.5	3496.2	1342299	1164	0	0	0	1408	2.09	0	0
8	1:15PM	KC	Secure	64	69.6	84.3	611224	1547.1	735155	2308.7	3855.8	1346379	1164				1410	1.79		
9	10:40AM	SF	Secure	64.5	67.9	91.7	613358	1814.1	737888	2730.3	4544.4	1351246	1164	0	0	0	1414	2.87	0	0
12	7:52AM	MM	Secure	66.3	66.1	91.9	615421	1537.7	740392	1994.2	3531.9	1355813	1164	0	0	0	1417	1.92	0	0
13	8:45AM	SF	Secure	67	65.9	91	615421	934.9	740392	1011.5	1946.4	1355813	1164	0	0	0	1417	0.91	0	0
14	10:45AM	SF	Secure	67.5	65.7	87.8	615424	220	740510	182.8	402.8	1355934	1164	0	0	0	1417	0	0	0
15	3:15PM	KC	Secure	68.3	64	84	617407	1677.7	743411	1962.2	3639.9	1360818	1164	0	0	0	1420	2.07	0	0
16	11:00AM	KC	Secure	68.7	63.8	87	617491	894.3	743455	1487.6	2381.9	1360946	1164	0	0	0	1420	0.99	0	0
19	11.13AM	BJ	Secure	70.7	60.8	90.9	620287	1504.6	749022	2664.6	4169.2	1369309	1164	0	0	0	1426	2.56	0	0
20	8:55AM	KC	Secure	71.4	54.2	86	622033	1714.2	752554	2683.4	4397.6	1374587	1164	0	0	0	1431	3.51	0	0
21	9:30AM	SF	Secure	72.1	58.9	88.9	622033	666.7	752569	1067.5	1734.2	1374602	1164	0	0	0	1431	1.22	0	0
22	3:10PM	KC	Secure	72.8	58.7	90.8	622033	43.3	752569	1673	1716.3	1374602	1164	0	0	0	1431	0	0	0
23	7:30AM	KC	Secure	73.2	52.3	84.3	624102	1730	755652	2036.6	3766.6	1379754	1164	0	0	0	1436	3.34	0	0
26	8:30AM	MM	Secure	75.1	52.7	83.8	628236	2253.7	761997	3458.9	5712.6	1390233	1164	0	0	0	1446	4.54		
27	10:46AM	MM	Secure	75.7	52	85.4	628236	937.1	761998	1510.2	2447.3	1390234	1164	0	0	0	1446	1.5	0	0
28	2:00PM	KC	Secure	76.4	50.9	85.5	629760	1758.5	764258	1962	3720.5	1394018	1164	0	0	0	1450	4.27	0	0
29	12:45PM	SF	Secure	77	50.8	86.6	629829	310	764258	524.8	834.8	1394087	1164	0	0	0	1450	0.32	0	0
30	10:5AM	BJ	Secure	77.6	48.9	92.6	631648	1705.8	767073	1960.8	3666.6	1398721	1164	0	0	0	1456	4.38	0	0

May Lagoons/Blower Station 2025																				
Inspection				Pump #3				Discharge		Air	Compressor #1					Compressor #2				
Date	Time	Op	Security	Total Hours	Run Time	Amps	Hz	PSI	GPM	Temp	Total Hours	Run Time	Amps	Hz	Temp	Total Hours	Run Time	Amps	Hz	Temp
1	7:40AM	SF	Secure	1450	7.11	0	0			9	19890	0	0	0	25	17613	24	53.7	60	85
2	8:23AM	KC	Secure	1451	5.29					13	19890					17637	24	53.7	60	90
5	12:53PM	KC	Secure	1471	3.3					18	19890					17712	24	53.7	60	92
6	8:45AM	KC	Secure	1472	1.13					11	19890		57	60	70	17731	24	53.7	60	80
7	1:30PM	SF	Secure	1479	6.3	0	0			24	19918	17.11	56.2	60	100	17759	24	53.7	60	100
8	1:15PM	KC	Secure	1487	6.94					17	19942	24	57	60	93	17783	24	54	60	93
9	10:40AM	SF	Secure	1497	7.93	0	0			15	19963	24	57	60	87	17803	24	54	60	87
12	7:52AM	MM	Secure	1508	6.32	0	0			10	20030	24	56	60	84	17871	24	52	60	84
13	8:45AM	SF	Secure	1509	4.2	0	0			15	20054	24	49	60	75	17882	1697	0	0	30
14	10:45AM	SF	Secure	1510	1.03	0	0			17	20080	24	56	60	90	17882	0	0	0	30
15	3:15PM	KC	Secure	1520	6.67	0	0			21	20108	24	54	60	88	17882	0.04	0	0	112
16	11:00AM	KC	Secure	1522	4.74	0	0			12	20127	24	55	60	80	17882	0.19	0	0	0
19	11.13AM	BJ	Secure	1538	7.5	0	0			12	20198	24	55	60	78	17882	0	0	0	0
20	8:55AM	KC	Secure	1547	7.6	0	0			11	20219	24	55	60	80	17882	0			
21	9:30AM	SF	Secure	1549	3.53	0	0			13	20244	24	55	60	81	17882	0	0	0	17
22	3:10PM	KC	Secure	1543	0.69	0	0			21	20272	24	55	60	94	17882	0	0	0	25
23	7:30AM	KC	Secure	1559	6.58	0	0			12	20288	24	54	60	84	17882	0	0	0	22
26	8:30AM	MM	Secure	1581	10.31	0	0			13	20359	24	54	60	93	17882				
27	10:46AM	MM	Secure	1582	4.89	0	0			23	20384	23.07	53	60	86	17882	0	0	0	0
28	2:00PM	KC	Secure	1590	6.61	0	0			29	20410	24	53	60	102	17882	0	0	0	0
29	12:45PM	SF	Secure	1591	1.91	0	0			18	20433	24	53	60	92	17882	0	0	0	32
30	10:5AM	BJ	Secure	1600	6.38	0	0			21	20454	24	54	60	90	17882	0	0	0	0

May Lagoons/Blower Station 2025																							
Inspection				Compressor #3					Dis.	Chlorine									CL2 Tonner Scales (LBS)				CL2
Date	Time	Op	Security	Total Hours	Run Time	Amps	Hz	Temp	PSI	GPM	PPD	CL2 Remaining	Demand	Total mg/L	Free mg/L	Demand mg/L	Eictor Supply PSI	Filter	Side 1	Side 2	Demand	Online/Portable	
1	7:40AM	SF	Secure	430	24	51	60	92	9	0	0	515	80	8.8	0.14	8.66	65	Good	515	2000	80	0/0	
2	8:23AM	KC	Secure	455	24	51	60	97	11	0	0	500	15	3.2	0.19	3.01	65	Good	500	2000	15	0/0	
5	12:53PM	KC	Secure	531	24	50	60	100	11		200	345	155	2.5	0.7	1.8	44	Good	345	2000	155	0/0	
6	8:45AM	KC	Secure	545	24				11		200	335	10	2.8	0.42	2.38	45	Good	335	2000	10	0/0	
7	1:30PM	SF	Secure	545	0.98	0	0	30	11	0	0	280	55	6.8	0.1	6.7	68	Good	280	2000	55	0/0	
8	1:15PM	KC	Secure	545	0.12				11	0	200	210	70	8.8	1.55	7.25	45	Good	210	2000	70	0/0	
9	10:40AM	SF	Secure	545	0	0	0	25	11	0	0	130	80	8.8	0.16	8.64	74	Cleaned	130	2000	80	0/0	
12	7:52AM	MM	Secure	545					11	0	200	1945	55	4.7	0.14	4.7	52	Good	125	1945	55	0/9	
13	8:45AM	SF	Secure	545	0	0	0	20	9	0	0	120	5	8	0.4	7.6	60	Good	120	1945	5	0/0	
14	10:45AM	SF	Secure	548	0	49	50	98	11	0	0	115	5	5.8	0.14	5.66	65	Good	120	1940	5	0/0	
15	3:15PM	KC	Secure	572	17.39	48	60	90	10	0	0	45	70	5	0.3	4.7	52	Good	45	1940	70	0/0	
16	11:00AM	KC	Secure	592	19.46	48	60	85	11	0	0	1935	5	6.5	0.21	6.29	70	Good	45	1935	5	0/0	
19	11.13AM	BJ	Secure	664	24	48	60	84	11	0	0	1850	85	8.8	0.42	7.58	65	Good	25	1850	85	0/0	
20	8:55AM	KC	Secure	686	24	49	60	85	10	0	200	1805	45	4.8	0.64	4.16	45	Good	45	1805	45	0/0	
21	9:30AM	SF	Secure	710	24	49	60	86	10	0	0	1800	5	1.4	0.2	1.2	75	Good	50	1800	5	0/0	
22	3:10PM	KC	Secure	740	24	48	60	100	10	0	0	1800	0	2.16	0.3	1.86	75	Good	40	1800	0	0/0	
23	7:30AM	KC	Secure	756	24	48	60	89	10		200	1750	50	4.9	0.31	4.59	45	Good	40	1750	50	0/0	
26	8:30AM	MM	Secure	829	24	49	60	96	10		180	1635	115	4.8	0.88	3.92	43	Good	35	1635	115	0/0	
27	10:46AM	MM	Secure	855	23.08	47	69	92	10		200	1635	0	3.3	1.19	2.11	53	Good	35	1635	0	0/0	
28	2:00PM	KC	Secure	882	24	47	60	110	10		0	1605	30	3.6	0.12	3.48	65	Good	20	1605	30	0/0	
29	12:45PM	SF	Secure	905	24	47	60	97	10		25	1600	5	6.3	0.33	5.97	65	Cleaned	25	1600	5	0/0	
30	10:5AM	BJ	Secure	927	24	47	60	95	9		0	1555	5	3.4	0.35	3.05	62	Good	2000	1555	5	0/0	

May Lagoons/Blower Station 2025																							
Inspection				Water Quality		Aeration Pond #1		Aeration Pond #2		Aeration Pond #3		Contact Tank						Air Temperatures					Solar Panels
Date	Time	Op	Security	Temp	pH	Dissolved Oxygen	Water Temp	Dissolved Oxygen	Water Temp	Dissolved Oxygen	Water Temp	Dissolved Oxygen	Water Temp	Total CL2 Residual	Free CL2 Residual	Storage Pond #1	Storage Pond #2	Online	Main	Tonner	Blowers	Pump Station	Total KWH
1	7:40AM	SF	Secure											8.8	0.14				16	18	23	22	909507
2	8:23AM	KC	Secure											3.2	0.19				15	20	25		901001
5	12:53PM	KC	Secure			0.34	17.4	0.98	19	1.58	20.3	0.65	15	2.5	0.7				20	26	19		911332
6	8:45AM	KC	Secure			0.31	17	1.08	17.5	0.94	18.3	6.19	15.1						14	18	21		911658
7	1:30PM	SF	Secure			0.32	18.4	0.76	18.3	1.3	20.2	7.59	15.9	6.8	0.1				26	22	37		913195
8	1:15PM	KC	Secure			0.33	17.8	0.79	18.2	1.94	19.1	9	16	8.8	1.55				26	20	34		912578
9	10:40AM	SF	Secure			0.34	17.3	0.75	17.8	0.69	19.2	7.73	14.9	8.8	0.16				24	22	30	21	912767
12	7:52AM	MM	Secure			0.32	17.3	0.65	17.5	1	17.8	9	17	4.7	0.14				21	20	29		913518
13	8:45AM	SF	Secure											8	0.4				22	22	25	20	913817
14	10:45AM	SF	Secure											5.8	0.14				24	22	30	22	914321
15	3:15PM	KC	Secure											5	0.3				23	24	28		914983
16	11:00AM	KC	Secure											6.5	0.21				23	23	22		915992
19	11.13AM	BJ	Secure											8.8	0.42				20	20	22	19	915992
20	8:55AM	KC	Secure											4.8	0.64				20	20	22		916267
21	9:30AM	SF	Secure											1.4	0.2				21	21	23	20	916683
22	3:10PM	KC	Secure											2.16	0.3				25	24	30		
23	7:30AM	KC	Secure											4.9	0.31				23	23	26		917478
26	8:30AM	MM	Secure											4.8	0.88				19	27	34		918811
27	10:46AM	MM	Secure											3.3	1.19				25	22	32		919230
28	2:00PM	KC	Secure											3.6	0.12				30	26	39		919810
29	12:45PM	SF	Secure											6.3	0.33				29	28	34		920011
30	10:5AM	BJ	Secure										17.5	3.4	0.35				25	24	28	26	920365

June - Lagoons/Blower Station 2025																				
Inspection				Storage			Discharge Total Volume m3						Pump #1				Pump #2			
Date	Time	Op	Security	Pond 1 %	Pond 2 %	Contact Tank %	Desert M3	Demand	Meadow M3	Demand	Combined M3	Total M3	Total Hours	Run Time	Amps	Hz	Total Hours	Run Time	Amps	Hz
2	6:40AM	SF	Secure	71.7	50.5	86.1	637348	1793.3	776186	2827.5	4620.8	1413534	1164	0	0	0	1460	0.57		
3	10:40AM	SF	Secure	71.3	51.3	87.8	637350	794.2	776303	1485	2279.2	1413653	1164	0	0	0	1460	0.08	0	0
4	11:40AM	SF	Secure	69.7	51.9	92.3	638913	1914.7	779141	2089.2	4003.9	1418054	1164	0	0	0	1461	1.76	0	0
5	6:45AM	SF	Secure	69.5	52.4	81.4	638913	273.6	779217	681.8	955.4	1418130	1164	0	0	0	1461	0	0	0
6	7:50AM	SF	Secure	67.2	53	87	641074	1782.5	782599	2162.1	3944.6	1423673	1164	0	0	0	1464	1.38		
10	11:01AM	MM	Secure	59	55.6	86	648605	7531	794471	11872	19403	1443076	1164	0	0	0	1472	2.34	0	0
12	7:30AM	SF	Secure	54.5	56.6	84.2	651748	2576.1	800895	3387.8	5963.9	1452643	1164	0	0	0	1477	1.68		
13	8:30AM	KC	Secure	51.9	57.2	92.5	654836	2545	804421	3660.7	6205.7	1459257	1164	0	0	0	1480	2.8		
15	7:30AM	SF	Secure	46.7	59	89.3	659188	1863.7	811556	2558.2	4421.9	1470744	1164	0	0	0	1486	2.41		
17	1:00AM	KC	Secure	45	59.9	88.4	660224	1871.7	813824	3042.2	4913.9	1474048	1164	0			1487	1.79		
18	12:30PM	SF	Secure	42.7	60.4	88.3	661013	1993.6	816805	2404	4397.6	1477818	1164	0	0	0	1490	2.33		
19	7:55AM	MM	Secure	40.7	60.8	90.1	663608	2197	820380	3242	5439	1483988	1164	0	0	0	1492	2.97		
20	10:30AM	SF	Secure	38	61.5	92.6	665649	2074.6	823691	3259.8	5334.4	1489340	1164	0	0	0	1496	2.39		
23	8:35 AM		Secure	37.5	63.5	81.1	665649	315	823692	36	351	1489341	1164	0	0	0	1496	0	0	0
24	12:53PM	BJ	Secure	37.2	64.3	92.1	665735	448	823691	24.4	472.4	1489426	1164	0	0	0	1496	0		
25	7:50AM	SF	Secure	36.8	64.8	91.6	665736	315.2	823833	76.4	391.6	1489569	1164	0	0	0	1496	0	0	0
26	06:48AM	MM	Secure	34.4	65.4	85.5	668156	2129.5	825964	2095.6	4225.1	1494120	1164	0	0	0	1496	2.7	0	0
27	7:00AM	SF	Secure	32.1	66.1	91	669954	2902.9	828643	2356.6	5259.5	1498597	1164	0	0	0	1502	2.76	0	0
30	9:50AM	SF	Secure	26.5	68.2	85.5	674152	2543.5	834992	3552.1	6095.6	1509144	1164	0	0	0	1510	4.01		

June - Lagoons/Blower Station 2025																				
Inspection				Pump #3				Discharge		Air	Compressor #1					Compressor #2				
Date	Time	Op	Security	Total Hours	Run Time	Amps	Hz	PSI	GPM	Temp	Total Hours	Run Time	Amps	Hz	Temp	Total Hours	Run Time	Amps	Hz	Temp
2	6:40AM	SF	Secure	1627	8.13					9	20520	24	54	60	80	17882	0	0	0	20
3	10:40AM	SF	Secure	1629	4.37	0	0			19	20548	24	54	60	95	17882	0	0	0	20
4	11:40AM	SF	Secure	1637	6.56	0	0			25	20572	24	54	60	100	17882	0	0	0	20
5	6:45AM	SF	Secure	1637	1.93	0	0			11	20591	24	54	60	84	17882	0	0	0	20
6	7:50AM	SF	Secure	1648	6.78					18	20615	24	54	60	98	17882	0	0	0	25
10	11:01AM	MM	Secure	1684	9.23	0	0			32	20712	24	54	60	102	17882	0	0	0	
12	7:30AM	SF	Secure	1704	10.34	35	60				20755	24	54	60	100	17882	0	0	0	30
13	8:30AM	KC	Secure	1715	10.57	0	0			18	20780	24	54	60	90	17882	0			22
15	7:30AM	SF	Secure	1737	7.52					15	20849	24	55	60	88	17882	0	0	0	22
17	1:00AM	KC	Secure	1745	8.59					26	20878	24	55	60	98	17882				25
18	12:30PM	SF	Secure	1754	7.67					27	20901	24	55	60	100	17882	0	0	0	28
19	7:55AM	MM	Secure	1763	9.2					22	20920	24	54	60		17882				
20	10:30AM	SF	Secure	1773	9.34					20	20946	24	54	60	92	17882	0	0	0	25
23	8:35 AM		Secure	1776	1.03					18	21014	24	55	60	88	17882	0	0	0	25
24	12:53PM	BJ	Secure	1778	1.5	35	60			27	21041	24	55	60	98	17882	0	0	0	24
25	7:50AM	SF	Secure	1779	1.18					19	21060	24	55	60	92	17882	0	0	0	25
26	06:48AM	MM	Secure	1789	7.34	0	0			17	21082	24	54	60	90	17882	0	0	0	
27	7:00AM	SF	Secure	1798	9.69					15	21106	24	55	60	89	17882	0	0	0	24
30	9:50AM	SF	Secure	1820	10.34					23	21179	24	55	60	99	17882	0	0	0	26

June - Lagoons/Blower Station 2025																						
Inspection				Compressor #3					Dis.	Chlorine								CL2 Tonner Scales (LBS)				CL2
Date	Time	Op	Security	Total Hours	Run Time	Amps	Hz	Temp	PSI	GPM	PPD	CL2 Remaining	Demand	Total mg/L	Free mg/L	Demand mg/L	Ejector Supply PSI	Filter	Side 1	Side 2	Demand	Online/Portable
2	6:40AM	SF	Secure	995	24	48	60	85	9	0	0	1465	90	2.9	0.29	2.61	52	Good	2000	1465	90	0/0
3	10:40AM	SF	Secure	1023	24	48	60	90	10	0	0	1460	5	4.5	0.22	4.28	66	Good	2000	1460	5	0/0
4	11:40AM	SF	Secure	1048	24	48	60	95	10	0	0	1435	25	2.4	0.18	2.22	66	Good	2000	1435	25	0/0
5	6:45AM	SF	Secure	1067	24	49	60	90	10	0	130	1430	5	2.1	0.16	1.94	52	Good	2000	1430	5	0/0
6	7:50AM	SF	Secure	1092	24	48	60	90	10	0	0	1395	35	2.6	0.24	2.36	52	Cleaned	2000	1395	35	0/0
10	11:01AM	MM	Secure	1191	24	48	60	110	10	0	0	1280	115	3	0.25	2.75	52	Good	2000	1280	115	0/0
12	7:30AM	SF	Secure	1236	24	48	60	95	10	0	0	1215	65	3.4	0.18	3.22	66	Cleaned	1995	1215	65	0/0
13	8:30AM	KC	Secure	1261	24	48	60	95	10	0	0	1180	35	3	0.25	2.75	60	Good	2000	1180	35	0/0
15	7:30AM	SF	Secure	1332	24	49	60	94	10	0	0	1110	70	5.6	0.19	5.41	63	Good	2000	1110	70	0/0
17	1:00AM	KC	Secure	1361	24	49	60	102	10	0	0	1090	20	1.92	0.38	1.54	63	Good	2000	1090	20	0/0
18	12:30PM	SF	Secure	1385	24	49	60	106	10	0	0	1060	30	5.5	0.13	5.37	65	Good	2000	1060	30	0/0
19	7:55AM	MM	Secure	1404	24	48	60	94	10	0	0	1030	30	6.7	0.26	6.44	54	Good	2000	1030	30	0/0
20	10:30AM	SF	Secure	1431	24	48	60	98	10	0	0	995	35	2.9	0.65	2.25	68	Good	2000	995	35	0/0
23	8:35 AM		Secure	1501	24	49	60	90	10	0	0	984	11	1.9	1.04	0.86	65	Good	2000	984	11	0/0
24	12:53PM	BJ	Secure	1529	24	49	60	105	10	0	0	980	4	2.6	0.13	2.47	65	Good	2000	980	4	0/0
25	7:50AM	SF	Secure	1548	24	49	60	100	10	0	0	975	5	2.3	0.12	2.18	74	Good	2000	975	5	0/0
26	06:48AM	MM	Secure	1571	24	48	60	94	10	0	0	940	35	2.9	0.2	2.7	63	Good	2000	940	35	0/0
27	7:00AM	SF	Secure	1596	24	49	60	92	10	0	0	915	25	2.9	0.25	2.65	63	Good	2000	915	25	0/0
30	9:50AM	SF	Secure	1670	24	49	60	105	10	0	0	840	75	2.7	0.17	2.53	68	Good	2000	840	75	0/0

June - Lagoons/Blower Station 2025																							
Inspection				Water Quality		Aeration Pond #1		Aeration Pond #2		Aeration Pond #3		Contact Tank						Air Temperatures					Solar Panels
Date	Time	Op	Security	Temp	pH	Dissolved Oxygen	Water Temp	Dissolved Oxygen	Water Temp	Dissolved Oxygen	Water Temp	Dissolved Oxygen	Water Temp	Total CL2 Residual	Free CL2 Residual	Storage Pond #1	Storage Pond #2	Online	Main	Tonner	Blowers	Pump Station	Total KWH
2	6:40AM	SF	Secure											2.9	0.29				22	23	22	23	921439
3	10:40AM	SF	Secure											4.5	0.22				24	25	27	26	922053
4	11:40AM	SF	Secure											2.4	0.18				27	26	30		922530
5	6:45AM	SF	Secure											2.1	0.16				24	24	25		922728
6	7:50AM	SF	Secure											2.6	0.24				27	28	29	28	923177
10	11:01AM	MM	Secure											3	0.25				33	31	35		925130
12	7:30AM	SF	Secure											3.4	0.18				30	30	30	30	925822
13	8:30AM	KC	Secure											3	0.25				26	27	27		926726
15	7:30AM	SF	Secure											5.6	0.19				25	26	26		927590
17	1:00AM	KC	Secure			0.3	21	2.9	23	6.41	25	8.36	21	1.54	0.38				30	30	33		
18	12:30PM	SF	Secure			0.28	22.2	3.23	22.6	6.69	24.2	8.91	21.4	5.5	0.13				29	29	35		928648
19	7:55AM	MM	Secure			0.32	20.1	3.54	22.8	6.56	21.5	9.18	18.9	6.7	0.26				25	24	33		928885
20	10:30AM	SF	Secure			0.3	20.8	3.24	20.5	6.73	22.4	8.62	19.8	2.9	0.65				27	27	29		929341
23	8:35 AM		Secure			0.3	20.8	2.45	20.6	6.3	19.1	7.78	19.7	1.04	0.86				24	24	25	24	
24	12:53PM	BJ	Secure			0.28	22.4	2.34	22.4	6.11	22	7.64	21.4	2.6	0.13				28	26	32	29	930558
25	7:50AM	SF	Secure			0.32	20.9	1.92	21.2	5.63	22	7.62	19.9	2.3	0.12				27	26	29	27	930666
26	06:48AM	MM	Secure			0.29	22	2.06	22	5.62	23	7.99	21	2.9	0.2				22	21	29		931301
27	7:00AM	SF	Secure			0.32	20.6	2.17	21	5.54	21.4	7.45	21	2.9	0.25				25	26	26		931406
30	9:50AM	SF	Secure			0.28	22.2	2.12	22.4	5.43	23.3	6.56	22.8	2.7	0.17				29	29	32	30	932690

July - Lagoons/Blower Station 2025																				
Inspection				Storage			Discharge Total Volume m3						Pump #1				Pump #2			
Date	Time	Op	Security	Pond 1 %	Pond 2 %	Contact Tank %	Desert M3	Demand	Meadow M3	Demand	Combined M3	Total M3	Total Hours	Run Time	Amps	Hz	Total Hours	Run Time	Amps	Hz
2	10:55AM	SF	Secure	22.1	69.8	93	677378	2058.1	839949	2601.9	4660	1517327	1164	0	0	0	1516	2.83	0	0
3	8:45AM	SF	Secure	19.5	70.4	81.7	679465	2035.5	843002	3045.2	5080.7	1522467	1164	0	0	0	1520	2.86	0	0
4	11:08AM	BJ	Secure	20.9	68.7	82.2	681415	2555.2	845448	3541.1	6096.3	1526863	1164	0	0	0	1524	3.86		
7	7:16AM	SF	Secure	24.1	64.7	90	685111	1662.4	852554	3009	4671.4	1537665	1164	0	0	0	1528	1.9		
8	10:30AM	KC	Secure	25.3	63.1	84.9	687007	2568.3	854653	3442	6010.3	1541660	1164				1532	4.27		
9	1:34PM	MM	Secure	26.5	61.4	87.6	689339	2355.3	856237	2454.6	4809.9	1545576	1164				1534	2.86		
10	10:51AM		Secure	27.4	59.8	81.5	691029	2904.8	858521	2051.1	4955.9	1549550	1164	0	0	60	1538	3.38	0	60
11	7:44AM		Secure	28.3	58.6	84.5	692318	1934.8	860114	2748.4	4683.2	1552432	1164				1541	3.45		
14	6:43AM	KC	Secure	31.2	53.2	92.1	697557	2073.1	866649	2627.3	4700.4	1564206	1164				1555	4.4		
15	7:21AM	MM	Secure	32.1	51.6	91.8	699425	2609.9	869124	21224	23833.9	1568549	1164				1562	6.74		
16	1:34AM		Secure	33	49	82.5	701423	2252.3	871934	2328.4	4580.7	1573357	1164				1565	3.97		
17	12:45PM	KC	Secure	34.1	47.5	92.1	703417	2433.7	875433	3181.3	5615	1578850	1164				1573	5.78		
18	8:25AM	KC	Secure	34.9	41.5	83.9	705107	2497.9	878137	3787	6284.9	1583244	1164				1579	7.85		
21	6:48AM	KC	Secure	38.1	39.8	91.8	709417	2184.9	887203	3035.9	5220.8	1596620	1171	4.46			1595	6.77		
22	7:24AM	KC	Secure	39.3	39.6	90.3	709417	1112.5	887203	1227.1	2339.6	1596620	1171	1.66			1595	3.03		
23	12:42PM	BJ	Secure	40.6	39.3	90.9	709423	334.4	887203	27.5	361.9	1596626	1171				1595			
24	1:15PM	SF	Secure	41.7	39	83	709592	644.4	887203	30.2	674.6	1596795	1171	0	0	0	1595	0	0	0
25	1:27PM	BJ	Secure	39.3	42	92.7	711582	1824.8	890314	1993.8	3818.6	1601896	1171	0	0	0	1600	3.22	0	0
28	6:55AM	BJ	Secure	35	44.7	82	714614	1398.5	895792	1519.5	2918	1610406	1171	0	0	0	1606	1.36		
29	9:22AM	SN	Secure	32	45	85	716316	2000.4	898442	2183.8	4184.2	1614758	1171				610	3.35		
30	1:30PM	AF	Secure	31	46.3	83.5	717592	2069	900675	2571.4	4640.4	1618267	1171				1612	3.39		
31	6:30AM	SN	Secure	29	46.4	85.1	717634	383.5	903012	2349.8	2733.3	1620646	1171				1613	0.13		

July - Lagoons/Blower Station 2025																				
Inspection				Pump #3				Discharge		Air	Compressor #1					Compressor #2				
Date	Time	Op	Security	Total Hours	Run Time	Amps	Hz	PSI	GPM	Temp	Total Hours	Run Time	Amps	Hz	Temp	Total Hours	Run Time	Amps	Hz	Temp
2	10:55AM	SF	Secure	1837	8.11					29	21224	24	0	0	59	17882	0	0	0	30
3	8:45AM	SF	Secure	1848	9.05					22	21224	6.49	0	0	30	17882	0	0	0	30
4	11:08AM	BJ	Secure	1858	10.5					27	21224	0	0	0	30	17882	0	0	0	30
7	7:16AM	SF	Secure	1882	8.47					17	21224	0	0	0	30	17882	0	0	0	30
8	10:30AM	KC	Secure	1891	10.62					28	21224					17882				
9	1:34PM	MM	Secure	1901	9.02					27	21224	0				17882	0			
10	10:51AM		Secure	1910	9.57					25	21224	0				17882				
11	7:44AM		Secure	1916	8.45					23	21224					17882				
14	6:43AM	KC	Secure	1943	8.52					23	21224					17882				
15	7:21AM	MM	Secure	1952	10.6					24	21224					17882				
16	1:34AM		Secure	1963	8.98					29	21224					17882				
17	12:45PM	KC	Secure	1974	10.27					27	21224					17882				
18	8:25AM	KC	Secure	1982	11					20	21224					17882				
21	6:48AM	KC	Secure	2010	9.08					18	21224					17882				
22	7:24AM	KC	Secure	2012	4.64					17	21224					17882				
23	12:42PM	BJ	Secure	2014	1.24					29	21224					17882				
24	1:15PM	SF	Secure	2015	2.43					32	21224	0	0	0	27	17882	0	0	0	27
25	1:27PM	BJ	Secure	2025	6.83					31	21224					17882				
28	6:55AM	BJ	Secure	2043	5.34					20	21224					17882				
29	9:22AM	SN	Secure	2052	7.22					27	21224					17882				
30	1:30PM	AF	Secure	2059	7.96						21250	14.82				17882	0			
31	6:30AM	SN	Secure	2064	5.31					24	21267	24				17882				

July - Lagoons/Blower Station 2025																						
Inspection				Compressor #3					Dis.	Chlorine								CL2 Tonner Scales (LBS)			CL2	
Date	Time	Op	Security	Total Hours	Run Time	Amps	Hz	Temp	PSI	GPM	PPD	CL2 Remaining	Demand	Total mg/L	Free mg/L	Demand mg/L	Ejector Supply PSI	Filter	Side 1	Side 2	Demand	Online/Portable
2	10:55AM	SF	Secure	1703	14.12	42	60	100	9		0	800	40	0.1	0.1	0	68	Cleaned	1995	800	40	0/0
3	8:45AM	SF	Secure	1725	17.52	43	60	89	9		100	795	5	1	0.05	0.95	52	Good	1996	795	5	0/0
4	11:08AM	BJ	Secure	1752	24	42	60	93			0	796	0	0.1	0.05	0.95	70	Good	1928	796	68	0/0
7	7:16AM	SF	Secure	1819	24	43	60	86	9		0	795	1	0.5	0.07	0.43	64	Good	1830	795	98	0/0
8	10:30AM	KC	Secure	1846	24	43	60	96	9		170	1795	35				45	Good	1795	795	35	0/0
9	1:34PM	MM	Secure	1873	24	43	60	92	9.2		0	1755	40	0.6	0.13	0.47	60	Good	1755	795	40	0/0
10	10:51AM		Secure	1894	24	43	60	94	8.8		0	1720	35	1	0.07	0.93	70	Good	1720	795	35	0/0
11	7:44AM		Secure	1915	24	42		95	9		0	1695	25	0.5	0.04	0.46	70	Good	1695	795	25	0/0
14	6:43AM	KC	Secure	1986	24	43	60	95	8		0	1585	110	2.3	0.16	2.14	72	Good	1585	795	110	0/0
15	7:21AM	MM	Secure	2011	24	43	60	88	8.4		0	1545	40	3.1	0.17	2.93	75	Good	1545	2000	40	0/0
16	1:34AM		Secure	2041	24	43	60	100	8.5		0	1505	40	2	0.09	1.91	70	Good	1505	2000	40	0/0
17	12:45PM	KC	Secure	2064	24	44	60	98	8.5		0	1455	50	2.5	0.15	2.35	70	Good	1455	2000	50	0/0
18	8:25AM	KC	Secure	2084	24	44	60	90	8.5		200	1415	40	3	0.18	2.82	46	Good	1415	2000	40	0/0
21	6:48AM	KC	Secure	2154	24	43	60	82	8.5		0	1290	125	3.7	0.23	3.47	60	Good	1290	2000	125	0/0
22	7:24AM	KC	Secure	2179	24	43	60	84	8.5		0	1285	5	2.6	0.75	1.85	75	Good	1285	2000	5	0/0
23	12:42PM	BJ	Secure	2208	24	43	60	98	8.5		0	1275	10	1.87	0.17	1.7	70	Good	1275	2000	10	0/0
24	1:15PM	SF	Secure	2233	24	41	60	96	8.2		190	1265	10	0.7	0.15	0.55	52	Cleaned	1265	2000	10	0/0
25	1:27PM	BJ	Secure	2257	24	40	60	92	8.2		0	1225	40	2.9	0.18	3.08	69	Good	1225	2000	40	0/0
28	6:55AM	BJ	Secure	2323	24	41	60	80	8.4		0	1145	70	1.8	0.11	1.91	52	Good	1145	2000	70	0/0
29	9:22AM	SN	Secure	2349	24	41	60	80	8.4		0	1105	40	1.8	0.18	1.62	60	Good	1105	2000	40	0/0
30	1:30PM	AF	Secure	2377	24	41	60	102	9		190	1075	30	5.5	1.18	4.32	52	Cleaned	1075	2000	30	0/0
31	6:30AM	SN	Secure	2394	24	46	60	92	8.5		0	1055	20	4.7	0.35	4.35	60	Good	1055	2000	20	0/0

July - Lagoons/Blower Station 2025																							
Inspection				Water Quality		Aeration Pond #1		Aeration Pond #2		Aeration Pond #3		Contact Tank						Air Temperatures					Solar Panels
Date	Time	Op	Security	Temp	pH	Dissolved Oxygen	Water Temp	Dissolved Oxygen	Water Temp	Dissolved Oxygen	Water Temp	Dissolved Oxygen	Water Temp	Total CL2 Residual	Free CL2 Residual	Storage Pond #1	Storage Pond #2	Online	Main	Tonner	Blowers	Pump Station	Total KWH
2	10:55AM	SF	Secure			0.28	22.8	0.46	24.2	4.21	24.4	4.93	23	0.1	0.1				32	31	36	35	933611
3	8:45AM	SF	Secure			0.3	21.7	0.45	23.5	4.02	23.7	4.33	21	1	0.05				28	29	28		933927
4	11:08AM	BJ	Secure											0.1	0.05				32	29	36	37	934465
7	7:16AM	SF	Secure			0.21	22	0.27	22.4	3.66	23.2	5.35	19.9	0.5	0.07				25	26	26		935535
8	10:30AM	KC	Secure			0.21	23.2	0.24	24.4	3.51	25.5	5.18		0.69	0.07				28	26	29		936121
9	1:34PM	MM	Secure			0.19	22.9	0.2	23.9	2.99	22.3	4.96	22.3	0.6	0.13				31	28	31		936232
10	10:51AM		Secure			0.2	22.3	0.2	23	3.4	23.9	5.39	21.8	1	0.07				27	24	28		936759
11	7:44AM		Secure			0.24	21.7	0.26	23.5	3.03	23.1	4.95	21.7	0.5	0.04				26	26	27	26	937057
14	6:43AM	KC	Secure			0.25	23.4	0.25	24.5	2.32	26.5	5.23	21.7	2.3	0.16				23	20	28		938259
15	7:21AM	MM	Secure			0.21	22.8	0.25	23.2	2.69	24.3	5.65	28.6	3.1	0.17				24	22	30		938659
16	1:34AM		Secure			0.21	23.8	0.21	23.9	2.47	26.1	6.01	21.6	2	0.09				31	28	33		939398
17	12:45PM	KC	Secure			0.22	23.1	0.2	23.9	2.57	24.6	6.33	23.3	2.5	0.15				28	29	32		939743
18	8:25AM	KC	Secure			0.22	22.6	0.23	23.3	1.88	24.7	6.08	20.7	3	0.18				25	26	27		939938
21	6:48AM	KC	Secure			0.2	22.3	0.22	22.7	1.69	23.2	5.46	20.4	3.7	0.23				22	24	24		940947
22	7:24AM	KC	Secure			0.21	22.4	0.23	22.7	1.53	23.6	5	20.6	2.6	0.75				22	24	22		941191
23	12:42PM	BJ	Secure			0.2	24.1	0.16	23.3	1.28	25.3	5.65	22.1	1.7	0.17				27	26	30		941847
24	1:15PM	SF	Secure			0.24	23.5	0.19	24.2	1.02	24.9	5.61	23.4	0.7	0.15				29	28	32		942282
25	1:27PM	BJ	Secure			0.26	23.2	0.2	23.9	0.87	25.1	4.96	25.8	2.9	0.18				30	30	32		942725
28	6:55AM	BJ	Secure			*	*	0.22	22.3	0.33	23.4	4.05	22.8	1.8	0.11				24	27	26		943397
29	9:22AM	SN	Secure			0.23	23.7	0.2	22.3	0.65	24.9	5.35	22.6	1.8	0.18				25	25	28		943918
30	1:30PM	AF	Secure			0	23.2	0.26	22.8	2.6	23.6	5.11	25.4	5.5	1.18				36	34	44		944546
31	6:30AM	SN	Secure			0.17	23.1	0.21	23.5	4.68	24.7	6.1	24.7	4.7	0.35				34	31	36	31	944657

August- Lagoons/Blower Station 2025																				
Inspection				Storage			Discharge Total Volume m3						Pump #1				Pump #2			
Date	Time	Op	Security	Pond 1 %	Pond 2 %	Contact Tank %	Desert M3	Demand	Meadow M3	Demand	Combined M3	Total M3	Total Hours	Run Time	Amps	Hz	Total Hours	Run Time	Amps	Hz
1	12:00pm	AF	Secure	28	47	92.8	718912	1733.4	905289	2262.8	3996.2	1624201	1171	0	0	0	1615	2.35		
4	1:52PM	KC	Secure	25.4	49.5	84.6	750505	1204.4	907978	1460.8	2665.2	1658483	1171	0	0	0	1618	1.66		
5	7:00AM	SF	Secure	24	50.2	87.2	721449	1302.3	909534	1606.2	2908.5	1630983	1171	0	0	0	1620	1.79		
6	8:00am	AF	Secure	23.8	50	84.1	722784	1746.5	911251	1689.9	3436.4	1634035	1171				1623	3.31		
7	8:22AM	MM	Secure	25	49	87.7	724249	1659.4	913659	2315.4	3974.8	1637908	1171				1628	4.79		
8	7:55AM	SN	Secure	26.3	49.3	84.8	724249	222.5	913719	504.8	727.3	1637968	1171				1628			
11	12:45AM	SN	Secure	30.2	46.6	91.3	728330	1659.1	920858		1659.1	1649188	1171				1641	4.93		
12	7:45AM	AF	Secure	31	41	80.6	729750	1788.6	923335	2714.7	4503.3	1653085	1171	0	0	0	1647	5.52		
13	8:10AM	SN	Secure	32	40.5	90	730900	1431.5	925373	21573	2304	1656273	1172	0.96			1651	4.18		
14	8:10AM	SN	Secure	33	43.8	87.6	732229	1725.1	927427	2029.3	3754.4	1659656	1172	1.61			1655	4.43		
15	11:30AM	SN	Secure	34	43	84.5	733501	1510.5	929986	2312	3822.5	1663487	1176	2.14			1660	4.81		
18	7:50AM	AF	Secure	37.2	42.6	89.6	734982	1486.3	932430	1898.3	3384.6	1667412	1178	2.34			1666	4.55		
19	11:35AM	AF	Secure	38.4	42.1	85.4	736017	1272.9	933803	1824.2	3097.1	1669820	1179	0.61			1669	3.84		
20	10:55AM	AF	Secure	39.3	42	85.4	736018	196.7	935196	1565.6	1762.3	1671214	1179	0	0	0	1669	0	0	0
21	10:57AM	SN	Secure	40	40	93.2	738250	2030.4	938505	2056.2	4086.6	1676755	1184	3.45			1678	5.54		
22	6:30AM	AF	Secure	41	38	90.1	740240	2572.5	941140	3533.1	6105.6	1681380	1189	4.73			1685	8.33		
25	6:30AM	KC	Secure	43	35	92	743597	1364.1	946895	1929	3293.1	1690492	1196	2.67			1698	4.2		
26	7:55AM	KC	Secure	44.8	34.8	90.1	744937	1542.5	949163	2101.2	3643.7	1694100	1199	2.76			1703	5.13		
27	8:15AM	SF	Secure	45.9	34	89.8	746115	1343.7	951197	2192.4	3536.1	1697312	1202	2.55			1707	4.31		
28	7:35am	AF	Secure	46.8	32.8	89.2	747563	1653.7	953691	2539.2	4192.9	1701254	1204	2.42			1713	5.36		
29	12:32PM	SN	Secure	46	34.4	89.2	748033	853.2	954885	2092.3	2945.5	1702918	1204	0			1713	0.22		

August- Lagoons/Blower Station 2025																				
Inspection				Pump #3				Discharge		Air	Compressor #1					Compressor #2				
Date	Time	Op	Security	Total Hours	Run Time	Amps	Hz	PSI	GPM	Temp	Total Hours	Run Time	Amps	Hz	Temp	Total Hours	Run Time	Amps	Hz	Temp
1	12:00pm	AF	Secure	2071	7.13					32	21295	24		60		17882	0	0	0	
4	1:52PM	KC	Secure	2082	5.05					29	21368	24		60	110	17882	0			
5	7:00AM	SF	Secure	2087	5.43					16	21384	24	54	60	92	17882	0	0	0	27
6	8:00am	AF	Secure	2094	6.29					23	21409	23.97	56	60	94	17882				
7	8:22AM	MM	Secure	2101	7.03					21	21432	24	56	60	91	17882				
8	7:55AM	SN	Secure	2102	1.63					24	21456	24	56	60	91	17882				
11	12:45AM	SN	Secure	2122	6.54						21531	24	47	60	96	17882				
12	7:45AM	AF	Secure	2129	7.81					20	21549	24	48	60	95	17882	0	0	0	30
13	8:10AM	SN	Secure	2136	6.52					24	21573	23.88	47	60	85	17882				
14	8:10AM	SN	Secure	2142	6.64					23	21596	24	47	60	90	17882				
15	11:30AM	SN	Secure	2149	6.69					25	21623	24	47	60	92	17882				
18	7:50AM	AF	Secure	2158	5.68					17	21690	24	48	60	80	17882				
19	11:35AM	AF	Secure	2163	6.01					25	21717	24	51	60	90	17882	0			
20	10:55AM	AF	Secure	2167	3.79					24	21740	24	51	60	92	17882	0	0	0	
21	10:57AM	SN	Secure	2179	7.17					25	21763	24	51	60	92	17882				
22	6:30AM	AF	Secure	2188	10.66					15	21782	24	52	60	85	17882	0	0	0	
25	6:30AM	KC	Secure	2206	6.19					15	21852	24	52	60	86	17882				
26	7:55AM	KC	Secure	2213	6.66					18	21877	24	51	60	90	17882				
27	8:15AM	SF	Secure	2220	6.49					19	21901	24	51	60	90	17882				30
28	7:35am	AF	Secure	2229	7.94					21	21924	24	45	60	80	17882				
29	12:32PM	SN	Secure	2233	6.01					29	21952	24	48	60	90	17882				

August- Lagoons/Blower Station 2025																						
Inspection				Compressor #3					Dis.	Chlorine								CL2 Tonner Scales (LBS)			CL2	
Date	Time	Op	Security	Total Hours	Run Time	Amps	Hz	Temp	PSI	GPM	PPD	CL2 Remaining	Demand	Total mg/L	Free mg/L	Demand mg/L	Elector Supply PSI	Filter	Side 1	Side 2	Demand	Online/Portable
1	12:00pm	AF	Secure	2424	24	50	60	110	9		0	1025	30	4.6	0.11	4.49	62	Cleaned	1025	2000	30	
4	1:52PM	KC	Secure	2498	24	50	60	115	9		0	980	45	2.3	0.17	2.13	65	Good	980	2000	45	
5	7:00AM	SF	Secure	2515	24	42	60	98	9		0	960	20	5.3	0.13	5.17	69	Good	960	2000	20	0/0
6	8:00am	AF	Secure	2540	24	51	60	100	9			925	35	0.1	0.03	0.07	70	Good	925	2000	35	0/0
7	8:22AM	MM	Secure	2564	24	50	60	94	11		200	895	30	6.1	0.71	5.39	70	Good	895	2000	30	0/9
8	7:55AM	SN	Secure	2588	24	5	6	97	8		0	895	0	0	0.03	0.03	70	Good	885	2000	0	0/0
11	12:45AM	SN	Secure	2643							0	888	135	0.9	0.15	0.75	75	Good	885	1865	135	0/0
12	7:45AM	AF	Secure	2643	0	0	0	30	9		180	1815	50	1.09	0.16	0.93	55	Cleaned	885	1815	50	0/0
13	8:10AM	SN	Secure	2643					8		180	1770	45	0.5	0.24	0.26	56	Good	885	1770	45	0/0
14	8:10AM	SN	Secure	2643					8		0	1725	45	0.49	0.13	0.36	60	Good	885	1725	45	0/0
15	11:30AM	SN	Secure	2643					8		0	1675	50	1.6	0.13	1.47	58	Good	885	1675	50	0/0
18	7:50AM	AF	Secure	2643					9		190	1610	65	1.5	0.13	1.37	59	Good	890	1610	65	0/0
19	11:35AM	AF	Secure	2647	0	45	60	90	9.5		190	1570	40	2.4	0.18	2.22	53	Cleaned	890	1570	40	0/0
20	10:55AM	AF	Secure	2671	18.55	45	60	92	9		0	1540	30	3	0.22	2.78	53	Good	890	1540	30	0/0
21	10:57AM	SN	Secure	2695	24	46	60	92	9		0	1445	95	3.5	0.28	3.22	60	Good	890	1445	95	0/0
22	6:30AM	AF	Secure	2714	24	46	60	85	9		0	1370	75	3.4	0.36	3.04	62	Good	890	1370	70	0/0
25	6:30AM	KC	Secure	2786	24	46	60	90	9		0	1225	145	1.9	0.18	1.72	66	Good	890	1225	145	0/0
26	7:55AM	KC	Secure	2812	24	46	60	96	9		180	1170	55	2.2	0.18	2.02	50	Good	890	1170	55	0/0
27	8:15AM	SF	Secure	2836	24	45	60	96	9		0	1125	45	1.8	0.18	1.62	58	Cleaned	890	1125	45	0/0
28	7:35am	AF	Secure	2849	19.19				8		180	1055	70	7.1	0.25	6.85	52	Good	890	1055	70	0/0
29	12:32PM	SN	Secure	2849	0.05				8		0	1030	25	1	0	1	55	Good	890	1030	25	0/0

August- Lagoons/Blower Station 2025																								
Inspection				Water Quality		Aeration Pond #1		Aeration Pond #2		Aeration Pond #3		Contact Tank						Air Temperatures						Solar Panels
Date	Time	Op	Security	Temp	pH	Dissolved Oxygen	Water Temp	Dissolved Oxygen	Water Temp	Dissolved Oxygen	Water Temp	Dissolved Oxygen	Water Temp	Total CL2 Residual	Free CL2 Residual	Storage Pond #1	Storage Pond #2	Online	Main	Tonner	Blowers	Pump Station	Total KWH	
1	12:00pm	AF	Secure			0.19	24.3	0.19	24.7	5.47	26.7	6.59	26	4.6	0.11				34	32	44	34	945182	
4	1:52PM	KC	Secure			0.22	24	0.22	25	0.47	26	9.53	24	2.3	0.17				32	32	40		946406	
5	7:00AM	SF	Secure			0.24	22.8	0.22	23.5	0.46	23.7	10.63	25.5	5.3	0.13				28	30	30	27	946460	
6	8:00am	AF	Secure			0.22	24.4	0.19	23.2	0.35	23.8	3.7	23.9	0.1	0.03				31	28	33		946817	
7	8:22AM	MM	Secure			0.21	22	0.22	23.7	0.43	28	3.8	21.4	6.1	0.71				24	28	32		946947	
8	7:55AM	SN	Secure			0.21	21.8	0.2	22.6	0.27	23.5	0.39	22.6	0	0.03				23	26	35		947212	
11	12:45AM	SN	Secure			0.24	24.3	0.23	24	0.38	26.3	3.9	23.6	0.9	0.15				36	33	40		948661	
12	7:45AM	AF	Secure			0.22	23.4	0.22	22.9	0.38	25.2	3.4	22.1	1.09	0.16				28	30	33		948833	
13	8:10AM	SN	Secure			0.22	23.8	0.2	24.3	0.32	25.2	2.7	23	0.5	0.24				33	30	34		949254	
14	8:10AM	SN	Secure			0.23	23.9	0.21	23	0.37	25	2.36	23	0.49	0.13				27	29	33	23	949641	
15	11:30AM	SN	Secure			0.21	23	0.23	23.6	0.36	24.4	3.75	23.6	1.6	0.13				29	27	33		950605	
18	7:50AM	AF	Secure			0.25	22.7	0.2	22.8	0.3	23.8	5.71	20.7	1.5	0.13				24	26	26		950928	
19	11:35AM	AF	Secure			0.21	23.2	0.24	23.4	0.81	23.9	6.05	23.1	2.4	0.18				28	28	34		951400	
20	10:55AM	AF	Secure			0.22	22.3	0.21	23.4	2.29	25.6	7.31	21	3	0.22				30	30	36		951714	
21	10:57AM	SN	Secure			0.22	22	0.24	22.8	3.47	24.3	6.46	21.2	3.5	0.28				28	30	35	23	952121	
22	6:30AM	AF	Secure			0.21	21.4	0.23	21.6	2.18	22.9	6.93	19.8	3.4	0.36				28	28	28		952352	
25	6:30AM	KC	Secure			0.21	22.5	0.23	22	0.32	23.2	6.28	20.8	1.9	0.18				30	30	28		953574	
26	7:55AM	KC	Secure			0.21	22.9	0.24	22.6	0.46	23.9	5.87	21.6	2.2	0.18				32	33	30		954002	
27	8:15AM	SF	Secure			0.19	22.8	0.21	22.6	0.38	23.3	5.18	22.2	1.8	0.18				32	32	34		954285	
28	7:35am	AF	Secure			0.23	22.4	0.25	22.3	0.38	23.8	4.4	21.7	7.1	0.25				28	28	30		954367	
29	12:32PM	SN	Secure			0.21	22.7	0.22	22.5	0.98	23.3	2.93	21.4	1	0				33	27	26		954710	

September- Lagoons/Blower Station 2025																				
Inspection				Storage			Discharge Total Volume m3						Pump #1				Pump #2			
Date	Time	Op	Security	Pond 1 %	Pond 2 %	Contact Tank %	Desert M3	Demand	Meadow M3	Demand	Combined M3	Total M3	Total Hours	Run Time	Amps	Hz	Total Hours	Run Time	Amps	Hz
1	11:31AM	KC	Secure	30.9	38.7	87.8	750702	1335	958730	2428	3763	208028	1204				1717	1.28		
2	12:45	KC	Secure	41.1	40	83.4														
3	7:45AM	SF	Secure	40.4	41	86.2	752895	1090.3	962433	1739.5	2829.8	1715328	1204	0			1720	0.83		
4	6:30AM	SN	Secure	38.8	42.2	88.3	754452	1881.5	964157	1688.8	3570.3	1718609	1204	0			1722	1.95		
5	7:40AM	SN	Secure	37.6	43.7	89.5	755415	1437.9	965821	1602	3039.9	1721236	1204				1724	1.37		
8	8:19AM	RT	Secure	34.1	48.1	89	758158	1730	970516	2166	3896	1728674	1204				1729	3.18		
9	8:25AM	AF	Secure	33.9	49.5	87.9	758158	522.6	970516	812.5	1335.1	1728674	1204	0	0	-	1729	0.03	0	0
10	6:45	AF	Secure	33.7	50.8	93	758158	248.7	970519	22.1	270.8	1728677	1204	0	0	0	1729	0	0	0
11	6:20	SF	Secure	32	52.1	87.3	759545	1664.3	972816	2133.9	3798.2	1732361	1204	0	0	0	1732	2.98	0	0
12	6:25AM	SN	Secure	20.3	53.3	86.3	759545	300.6	972941	711.4	1012	1732486	1204				1735			
15	7:15AM	SF	Secure	27.6	57	93.1	762037	1411.5	980058	2577.4	3988.9	1742095	1204	0	0	0	1736	0.66	0	0
16	6:55	AF	Secure	27.8	58.2	89.1	762123	366.4	980063	14.9	381.3	1742186	1204	0	0	0	1736	0	0	0
17	6:40AM	SF	Secure	28.1	53.4	93.7	762123	245	980069	28.6	273.6	1742192	1204	0	0	0	1736	0	0	0
18	6:30AM	RT	Secure	29	57.7	93.7	764288	1905	981344	1450	3355	1745632	1204				1738	2.49		
19	6:25AM	SF	Secure	30.1	57.8	93.6	764288	1105	981383	114.3	1219.3	1745671	1204	0	0	0	1738	0	0	0
22	7:00	AF	Secure	32.8	56.7	93.4	766659	0	987639	1974.2		1754298	1222	5.46	0	0	1745	3.51	0	0
23	6:41AM	RT	Secure	33.6	57	80	766659	205	988131	961	1166	1754790	1223	2.48			1745	0		
24	7:45AM	KC	Secure	34.5	52.7	80.4	767796	1333	990064	1739	3072	1757860	1229	5.11			1749	4.01		
25	6:30AM	SF	Secure	35.3	52.7	93.6	767796	160.2	991718	2255.3	2415.5	1759514	1234	5.14			1749	0		
26	6:25AM	SF	Secure	36.1	56.5	91	768938	1375	993621	1910.7	3285.7	1762559	1240	5.38			1753	4.24	0	0
29	6:40AM	SF	Secure	38.6	54.9	91.4	770619	1674.5	996384	1965.2	3639.7	1767003	1249	5.88			1759	5.26		

September- Lagoons/Blower Station 2025																				
Inspection				Pump #3				Discharge		Air	Compressor #1					Compressor #2				
Date	Time	Op	Security	Total Hours	Run Time	Amps	Hz	PSI	GPM	Temp	Total Hours	Run Time	Amps	Hz	Temp	Total Hours	Run Time	Amps	Hz	Temp
1	11:31AM	KC	Secure	2247	6.54					26	22021	24	48	60	90	17882				
2	12:45	KC	Secure																	
3	7:45AM	SF	Secure	225	4.97					18	22064	24	48	60	80	17882	0	0	0	26
4	6:30AM	SN	Secure	2265	6.46					23	22087	24	47	60	80	17882				
5	7:40AM	SN	Secure	2270	5.42					23	22111	24	47	60	90	17882				
8	8:19AM	RT	Secure	2284	6.53					25	22182	24	49	60	90	17882				
9	8:25AM	AF	Secure	2285	2.61					16	22206	24	47	60	78	17882				
10	6:45	AF	Secure	2286	0.62	0	0				22228	24	47	60	74	17882	0	0	0	0
11	6:20	SF	Secure	2293	6.32					14	22251	24	47	60	76	17882	0	0	0	22
12	6:25AM	SN	Secure	2294	2.11						22274	24	47	60	75	18882				
15	7:15AM	SF	Secure	2312	7.88	0	0			16	22345	24	47	60	77	17882	0	0	0	20
16	6:55	AF	Secure	2313	0.82	0	0			13	22368	24	47	60	74	17882	0	0	0	
17	6:40AM	SF	Secure	2314	0.8					13	22392	24	47	60	72	17882	0	0	0	21
18	6:30AM	RT	Secure	2322	6.49						22415	24	47	60	72	17882				
19	6:25AM	SF	Secure	2323	2.63					15	22438	23.79	47	60	76	17882	0	0	0	
22	7:00	AF	Secure	2323	0	0	0			8	22509	24	47	60	74	17882	0	0	0	
23	6:41AM	RT	Secure	2323	0					18	22532	24	47	60	70	17882				
24	7:45AM	KC	Secure	2323						10	22557	24	49	60	74	17882				
25	6:30AM	SF	Secure	2323	0					10	22579	24	48	60	74	17882	0	0	0	
26	6:25AM	SF	Secure	2323	0	0	0			12	22602	24	48	60	74	17882	0	0	0	
29	6:40AM	SF	Secure	2323	0					12	22673	24	48	60	76	17882	0	0	0	

September- Lagoons/Blower Station 2025																							
Inspection				Compressor #3					Dis.	Chlorine								CL2 Tonner Scales (LBS)				CL2	
Date	Time	Op	Security	Total Hours	Run Time	Amps	Hz	Temp	PSI	GPM	PPD	CL2 Remaining	Demand	Total mg/L	Free mg/L	Demand mg/L	Ejector Supply PSI	Filter	Side 1	Side 2	Demand	Online/Portable	
1	11:31AM	KC	Secure	2849					8.9		180	935	-935	0.8	0.12	0.68	45	Good	890/0	935	95		
2	12:45	KC	Secure																				
3	7:45AM	SF	Secure	2849	0	0	0	25	8.9		0	865	70	0.9	0.08	0.82	72	Good	890/0	865	70	0/0	
4	6:30AM	SN	Secure	2849					8.9		0	825	40	3.12	0.18	2.94	70	Good	890	825	40	0/0	
5	7:40AM	SN	Secure	2849					8.8		0	790	35	1.26	0.1	1.16	62	Good	890/0	790	35	0/0	
8	8:19AM	RT	Secure	2849							0	690	100	1.6	0.13	1.47	50	Good	890/0	690	100	0/0	
9	8:25AM	AF	Secure	2849					8.8		0	685	5	0.2	0.02	0.18	62	Cleaned	890/0	685	5	0/0	
10	6:45	AF	Secure	2849	0	0	0		8.8		0	680	5	0.2	0.01	0.19	62	Good	890/0	680	5	0/0	
11	6:20	SF	Secure	2849	0	0	0	22	8.8		180	630	50	0.8	0.21	0.59	52	Good	890/0	630	50	0/0	
12	6:25AM	SN	Secure	2849					8.8		180	620	10	1.8	0.08	1.59	50	Good	890/0	620	10	0/0	
15	7:15AM	SF	Secure	2849	0	0	0	20	8.8		0	500	120	1.1	0.24	0.86	68	Good	890/0	500	120	0/0	
16	6:55	AF	Secure	2849	0	0	0		8.8		180	495	5	1.9	0.52	1.38	52	Good	890/0	495	5	0/0	
17	6:40AM	SF	Secure	2849	0	0	0	22	8.8		100	490	5	0.1	0.02	0.08	52	Good	890/0	490	5	0/0	
18	6:30AM	RT	Secure	2849					8.8		0	430	30	0	0	0	45	Good	890/0	430	30	0/0	
19	6:25AM	SF	Secure	2849	0	0	0		8.8		200	370	60	0.5	0.09	0.41	48	Good	90	370	60	0/0	
22	7:00	AF	Secure	2849	0	0	0		8.8		260	205	165	4	0.25	3.75	52	Good	2010	205	165	0/0	
23	6:41AM	RT	Secure	2849					8.8		300	190	15	8.8	0.25	8.55	51	Good	2000	190	15	0/0	
24	7:45AM	KC	Secure	2849							180	120	70	3.7	0.25	3.45	52	Good	2000	120	70	0/0	
25	6:30AM	SF	Secure	2849	0	0	0		8.8		180	90	30	2.4	0.12	2.28	52	Good	2000	90	30	0/0	
26	6:25AM	SF	Secure	2849	0	0	0		8.8		170	1965	40	2	0.14	1.86	52	Cleaned	1965	85	40	0/0	
29	6:40AM	SF	Secure	2849	0	0	0		8.8		0	1885	80	0.9	0.06	0.84	76	Good	1885	85	80	0/0	

September- Lagoons/Blower Station 2025																							
Inspection				Water Quality		Aeration Pond #1		Aeration Pond #2		Aeration Pond #3		Contact Tank							Air Temperatures				Solar Panels
Date	Time	Op	Security	Temp	pH	Dissolved Oxygen	Water Temp	Dissolved Oxygen	Water Temp	Dissolved Oxygen	Water Temp	Dissolved Oxygen	Water Temp	Total CL2 Residual	Free CL2 Residual	Storage Pond #1	Storage Pond #2	Online	Main	Tonner	Blowers	Pump Station	Total KWH
1	11:31AM	KC	Secure			0.23	23.3	0.24	23.3	1.79	25.2	5.99	22.5	0.8	0.12				30	28	30		
2	12:45	KC	Secure																				
3	7:45AM	SF	Secure			0.22	23	0.21	22.8	0.91	23.1	3.43	24	0.9	0.08				29	29	28	28	956108
4	6:30AM	SN	Secure			0.21	23.4	0.22	22.6	0.71	24.3	3.12	24.1	3.1	0.18				22	21	26	22	956426
5	7:40AM	SN	Secure			0.23	22	0.24	22.5	0.88	24.2	3.26	21.7	1.26	0.1				26	28	28	22	956734
8	8:19AM	RT	Secure			0.23	22.3	0.24	22	0.71	22.7	2.04	21.5	1.6	1.13				25	27	25		
9	8:25AM	AF	Secure			0.21	22.1	0.2	22.1	0.59	22.7	1.79	22.7	0.2	0.02				24	26	26		957751
10	6:45	AF	Secure			0.28	21.9	0.2	21.9	0.62	23	0.54 ☺	21.2	0.2	0.01				24	24	24		958020
11	6:20	SF	Secure			0.28	21.9	0.2	21.7	0.79	22.6	3.28	21.3	0.8	0.21				25	26	24		958374
12	6:25AM	SN	Secure					0.22	22.1	0.62	22.1	2.5	20.8	1.8	0.08				25	20	26	22	958723
15	7:15AM	SF	Secure			0.23	21.5	0.25	21.3	0.49	22.1	0.78	20.9	1.1	0.24				24	24	24		959451
16	6:55	AF	Secure			0.23	21.3	0.22	21.2	0.63	21.5	0.46	21.9	1.9	0.52				24	26	24		959715
17	6:40AM	SF	Secure			0.23	21.7	0.2	21.4	1.77	22	0.31	20.9	0.1	0.02				24	26	24		960060
18	6:30AM	RT	Secure			0.25	22	0.22	21.6	1.61	22.8	2.59	20.7	0	0				25	27	25		960410
19	6:25AM	SF	Secure			0.22	21.2	0.21	21	1.11	21.6	0.76	22.1	0.5	0.09				26	27	26		960717
22	7:00	AF	Secure			0.24	20.4	0.24	19.8	2.58	20.6	5.95	20.1	4	0.25				20	22	18		
23	6:41AM	RT	Secure			0.21	19.9	0.28	20.4	2.92	20.1	4.47	23	8.8	0.25				20	20	21		961891
24	7:45AM	KC	Secure			0.25	19.5	0.34	19.4	3.02	19.9	8.71	18.6	3.45	0.25				22	23	22		
25	6:30AM	SF	Secure			0.26	20.7	0.23	19.5	3.06	20.3	6.9	18.8	2.4	0.12				22	23	22		962498
26	6:25AM	SF	Secure			0.26	19.9	0.24	19.1	3.12	19.5	9.32	18.6	2	0.14				22	23	22		962812
29	6:40AM	SF	Secure			0.26	20.5	0.22	18.7	1.2	19.5	9.87		0.9	0.06				24	23	23		963476

October - Lagoons/Blower Station 2025																				
Inspection				Storage			Discharge Total Volume m3						Pump #1				Pump #2			
Date	Time	Op	Security	Pond 1 %	Pond 2 %	Contact Tank %	Desert M3	Demand	Meadow M3	Demand	Combined M3	Total M3	Total Hours	Run Time	Amps	Hz	Total Hours	Run Time	Amps	Hz
1	8:33AM	RT	Secure	40.3	49	85.3	771419	154	999546	1443			1259	3.47			176			
2	6:22	SF	Secure	41	48	89.5	773211	1799.6	1000706	1312.9	3112.5	1773917	1266	5.77			1765	3.25		
3	6:40	SF	Secure	41.8	50.3	93.3	774848	2196	1003317	2012	4208	1778165	1275	7.91			1771	5.01		
6	6:25	SF	Secure	44.2	48.8	93.3	776097	1491	1005365	1938.7	3429.7	1781462	1283	6.08			1776	4.95		
7	7:02AM	MM	Secure	45	48.7	74.5	776097	138.2	1005368	414.5	552.7	1781465	1283	1.26			1776	0		
8	7:00	SF	Secure	45.8	48.4	93.5	776097	278.9	1005369	79.9	358.8	1781466	1284	1.2			1776	0.15		
9	6:45	SF	Secure	46.7	46.8	93.3	777566	1693.6	1007753	2214.7	3908.3	1785319	1292	6.39			1782	5.6		
10	6:20	SF	Secure	47.1	43	88.8	777566	255.5	1007755	696.9	952.4	1785321	1293	2.24			1782	0.57		
13	11:44	RT	Secure	49.5	42.2	80.7	779029	198.5	1009984	523.8	722.3	1789013	1302	1.63			1788	0.1		
14	6:30AM	MM	Secure	50.2	41.1	87.2	779041	228.1	1009985	61.6	289.7	1789026	1303	0.86			1788	0		
15	9:00AM	SN	Secure	51	44.5	75.4	779041	331.4	1010206	141.5	472.9	1789247	1304	1.62			1788			
16	8:02AM	RT	Secure	51.6	42.4	92.3	781102	2123.3	1012964	2117.3	4240.6	1794066	1315	7.68			1794	5.45		
17	7:28AM	RT	Secure	52.3	40.6	93.5	782565	2032.5	1015379	3252.1	5284.6	1797944	1323	9.46			1000	6.77		
20	6:45AM	SF	Secure	54.5	40.3	92.4	782565	123.5	1015383	105.9	229.4	1797948	1325	0.47			1800	0		
21	7:32AM	RT	Secure	55.3	36.7	86.8	782565	130.3	1015387	105.8	236.1	1797952	1326	1.1			1800	0		
22	7:30AM	MM	Secure	55.3	40.1	78.3	782698	262.6	1015391	85.4	348	1798089	1327	1.03			1800	0		
23	7:00	SF	Secure	56.8	39.2	93.3	782886	319.8	1017211	1829.9	2149.7	1800097	1332	4.74			1801	1.02		
24	7:15	Af	Secure	57.5	39	77	783018	263.1	1017388	526.7	789.8	1800406	1333	1.67			1802	0.7		
27	6:25AM	RT	Secure	60.2	38.9	93.1	783018	0	1017389	13.5	13.5	1800407	1333	0			1802	0		
28	8:13AM	MM	Secure	61	38.9	72.4	783018	129.5	1017389	15.7	145.2	1800407	1335	0			1802	0		
29	7:39AM	MM	Secure	61.8	38.8	91.5	783018	2.7	1017389	14.3	17	1800407	1336	0.47			1802	0		
30	7:19AM	MM	Secure	62.5	38.8	90.7	783018	0	1017389	16.4	16.4	1800407	1336	0			1802	0		
31	8:52AM	RT	Secure	63.3	38.8	89.9	783018	0	1017389	17.3	17.3	1800407	1336	0			1802	0		

October - Lagoons/Blower Station 2025																				
Inspection				Pump #3				Discharge		Air	Compressor #1					Compressor #2				
Date	Time	Op	Security	Total Hours	Run Time	Amps	Hz	PSI	GPM	Temp	Total Hours	Run Time	Amps	Hz	Temp	Total Hours	Run Time	Amps	Hz	Temp
1	8:33AM	RT	Secure	2323					210		22721	24	48	60	71	17882				
2	6:22	SF	Secure	2323	0	0	0			13	22743	24	0	0		17882	0	0	0	
3	6:40	SF	Secure	2324	1.54	0	0			6	22743	4.91	0	0		17882	0	0	0	
6	6:25	SF	Secure	2324	0					7	22743	0	0	0		17882	0	0	0	
7	7:02AM	MM	Secure	2325	0					8	22743	0				17882	0			
8	7:00	SF	Secure	2325	0.21					9	22743	0	0	0		17882	0	0	0	
9	6:45	SF	Secure	2325	0					12	22743	0	0	0		17882	0	0	0	
10	6:20	SF	Secure	2325	0					11	22743	0	0	0		17882	0	0	0	
13	11:44	RT	Secure	2327	0					12	22743	0	0	0		17882	0	0	0	
14	6:30AM	MM	Secure	2327	0					5	22743	0	0	0		17882	0	0	0	
15	9:00AM	SN	Secure	2327						6	22743					17882				
16	8:02AM	RT	Secure	2329	1.84					1	22743	0	0	0		17882	0	0	0	
17	7:28AM	RT	Secure	2331	2.35					7	22743	0	0	0		17882	0	0	0	
20	6:45AM	SF	Secure	2331	0					1	22743	0	0	0		17882	0	0	0	
21	7:32AM	RT	Secure	2331	0					5	22743	0	0	0		17882	0	0	0	
22	7:30AM	MM	Secure	2331	0					3	22743	0	0	0		17882	0	0	0	
23	7:00	SF	Secure	2331	0					5	22743	0	0	0		17882	0	0	0	
24	7:15	Af	Secure	2331	0					10	22743					17882				
27	6:25AM	RT	Secure	2331	0					4	22743					17882				
28	8:13AM	MM	Secure	2331	0					2	22743					17882				
29	7:39AM	MM	Secure	2331	0					5	22743					17882				
30	7:19AM	MM	Secure	2331	0					3	22743					17882				
31	8:52AM	RT	Secure	2331	0					5	22743					17882				

October - Lagoons/Blower Station 2025																						
Inspection				Compressor #3					Dis.	Chlorine								CL2 Tonner Scales (LBS)			CL2	
Date	Time	Op	Security	Total Hours	Run Time	Amps	Hz	Temp	PSI	GPM	PPD	CL2 Remaining	Demand	Total mg/L	Free mg/L	Demand mg/L	Ejector Supply PSI	Filter	Side 1	Side 2	Demand	Online/Portable
1	8:33AM	RT	Secure	2849					8.8		180	1820	65	1.6	0.07	1.53	45	Good	1820	85	120	
2	6:22	SF	Secure	2849	0	42	60	66	8.1		175	1765	55	2.2	0.3	1.9	52	Good	1765	85	65	0/0
3	6:40	SF	Secure	2873	19.05	41	60	67	8.1		180	1700	65	1.6	0.06	1.53	56	Good	1700	85	65	0/0
6	6:25	SF	Secure	2945	24	41	60	66	8.1		0	1645	55	2.2	0.12	2.08	60	Good	1645	85	55	0/0
7	7:02AM	MM	Secure	2969	24	41	60	78	8.1		130	1640	5	2.6	0.1	2.5	52	Good	1640	85	5	0/0
8	7:00	SF	Secure	2993	24	41	60	68	8.1		0	1630	10	1.8	0.1	1.7	66	Good	1630	85	10	0/0
9	6:45	SF	Secure	3017	24	41	60	74	8.1		180	1570	60	2.1	0.13	1.97	52	Cleaned	1570	85	60	0/0
10	6:20	SF	Secure	3041	24	41	60	75	8.1		170	1560	10	2.9	0.28	2.62	52	Good	1560	85	10	0.1/0
13	11:44	RT	Secure	3118	24	41	60	75	8.1		170	1500	60	3.1	0.1		50	Good	1500	80	60	0.1/0
14	6:30AM	MM	Secure	3137	24	42	60	64	8.1		175	1485	15	3.1	0.89	2.21	52	Good	1485	85	15	
15	9:00AM	SN	Secure	3163	24	42	60	64	8		0	1485	5	4.8	0.23	4.57	70	Good	1485	80	5	0.1/0
16	8:02AM	RT	Secure	3187	24	42	60	61	8.1		0	1405	80	2.4	0.79	0.61	50	Good	1405	80	80	0/0
17	7:28AM	RT	Secure	3210	24	42	60	65	8.1		170	1345	60	4.1	0.18	3.92	70	Good	1345	80	60	0/0
20	6:45AM	SF	Secure	3281	24	42	60	65	8.1		0	1330	15	1.6	0.05	1.55	69	Good	1330	80	15	0/0
21	7:32AM	RT	Secure	3306	24	42	60	65	8.1		185	1325	5	1.43	0.18	1.25	46	Good	1325	80	5	0/0
22	7:30AM	MM	Secure	3330	24	42	60	60	8.1		190	1320	5	1.01	0.05	0.96	52	Good	1320	80	5	0/0
23	7:00	SF	Secure	3354	24	42	60	65	8.1		0	1280	40	2.7	0.14	2.56	68	Good	1280	80	40	0/0
24	7:15	Af	Secure	3378	24	42	60	74	8.1		190	1270	10	1.8	0.05	1.75	52	Good	1270	80	10	0/0
27	6:25AM	RT	Secure	3449	24	38	60	56	7.8		0	1260	10	1.9	0.07	1.83	68	Good	1260	80	10	0/0
28	8:13AM	MM	Secure	3475	24	42	60	59	8		0	1260	0	3.1	0.08	3.02	62	Good	1260	80	0	0/0
29	7:39AM	MM	Secure	3498	24	42	60	66	8		0	1255	5	3.9	0.19	3.71	73	Cleaned	1255	80	5	0/0
30	7:19AM	MM	Secure	3522	24	42	60	54	8		0	1255	0	2.2	0.66	1.54	52	Good	1255	80	0	0/0
31	8:52AM	RT	Secure	3548	24	42	60	68	8		0	1255	0	0.59	0.07	0.52	52	Good	1255	80	0	0/0

October - Lagoons/Blower Station 2025																								
Inspection				Water Quality		Aeration Pond #1		Aeration Pond #2		Aeration Pond #3		Contact Tank	Water					Air Temperatures						Solar Panels
Date	Time	Op	Security	Temp	pH	Dissolved Oxygen	Water Temp	Dissolved Oxygen	Water Temp	Dissolved Oxygen	Water Temp	Dissolved Oxygen	Temp	Total CL2 Residual	Free CL2 Residual	Storage Pond #1	Storage Pond #2	Online	Main	Tonner	Blowers	Pump Station	Total KWH	
1	8:33AM	RT	Secure			0.26	19.8	0.25	18.2	1.97	19	7.96	17.2	1.6	0.07				22	23	21		963829	
2	6:22	SF	Secure			0.25	19.4	0.21	18	2.23	17.9	7.12	17.5	2.2	0.3				22	22	20	23	964103	
3	6:40	SF	Secure			0.3	18.8	0.26	17.5	2.04	17	7.2	16.9	1.6	0.06				16	20	14		964358	
6	6:25	SF	Secure			0.26	17.9	0.23	16.5	1.82	16.2	5.92	16	2.2	0.12				16	18	14		965342	
7	7:02AM	MM	Secure			0.33	15	0.27	18.2	1.71	15	5.51	15.3	2.6	0.1				17	19	15		965609	
8	7:00	SF	Secure			0.26	18.2	0.25	16.3	1.57	16	5	16.1	1.8	0.1				17	19	16		965937	
9	6:45	SF	Secure			0.28	17.9	0.24	16	2.85	16.3	6.01	15.3	2.1	0.13				18	20	19	23	966181	
10	6:20	SF	Secure			0.3	17.5	0.26	15.6	2.99	15.8	5.88	14.8	2.9	0.28				20	20	20		966428	
13	11:44	RT	Secure			0.32	16.4	0.3	14.2	5.27	13.4	6.21	14	3.1	0.1				17	18	19		966905	
14	6:30AM	MM	Secure			0.37	12.9	0.32	15.5	4.84	12.4	6.53	12.4	4.8	0.23				15	20	12		967032	
15	9:00AM	SN	Secure			0.32	12.1	0.3	13	5.45	12	7.29	11	4.8	0.23				12	14	12		967492	
16	8:02AM	RT	Secure			0.29	16	0.29	13.3	5.98	11.8	7.56	11.8	2.4	0.79				12	15	10		967731	
17	7:28AM	RT	Secure			0.31	16.4	0.28	13.1	5.4	11.6	7.79	11.8	4.1	0.18				15	19	13		967956	
20	6:45AM	SF	Secure			0.25	12.8	0.35	16.1	5.74	11.4	7.39	11	1.6	0.05				12	18	12		968273	
21	7:32AM	RT	Secure			0.31	15.9	0.32	12.6	5.72	10.6	7.27	11.3	1.43	0.18				11	17	11		968393	
22	7:30AM	MM	Secure			0.31	16.1	0.3	12.6	5.59	10.6	7.17	10.6	1.01	0.96				10	16	10		968680	
23	7:00	SF	Secure			0.34	16	0.27	12.9	4.98	11.5	7.54	10.6	2.7	0.14				13	20	13		968882	
24	7:15	Af	Secure			0.3	16.1	0.27	13.1	5.34	11.6	7.45	10.9	1.8	0.05				16	18	18		969078	
27	6:25AM	RT	Secure			0.28	15.6	0.27	12.88	2.38	10.8	7.85	9	1.9	0.07				11	12	12		969404	
28	8:13AM	MM	Secure			0.29	9.9	0.39	11	5.5	9.8								10	14	9		969605	
29	7:39AM	MM	Secure			0.26	14.8	0.39	9.7	6.39	9.8	7.36	10.3	3.9	0.19				14	16	13		969635	
30	7:19AM	MM	Secure			0.38	9.8	0.48	9.8	7.47	10	7.46	9.7	2.2	0.66				11	14	10		969764	
31	8:52AM	RT	Secure			0.33	14.4	0.32	11.5	7.98	9	7.74	9.8	0.59	0.07				13	15	14		969996	

November - Lagoons/Blower Station 2025																				
Inspection				Storage			Discharge Total Volume m3						Pump #1				Pump #2			
Date	Time	Op	Security	Pond 1 %	Pond 2 %	Contact Tank %	Desert M3	Demand	Meadow M3	Demand	Combined M3	Total M3	Total Hours	Run Time	Amps	Hz	Total Hours	Run Time	Amps	Hz
3	7:30	SF	Secure	65.3	35.4	93	783018	0	1017389	18.3	18.3	1800407	1336	0			1802	0		
5	6:30	SF	Secure	67	38.8	0	783018	0	1017389	0	0	1800407	1336	0	0	0	1802	0	0	0
6	6:45	SF	Secure	67.8	39	0	783018	0	1017389	0	0	1800407	1336				1802			
7	6:45	SF	Secure	68.7	39.1	0	783018	0	1017389	0	0	1800407	1336				1802			
10	7:42	RT	Secure	70.8	39	0	783018	0	1017389	0	0	1800407	1336				1802			
12	6:45	SF	Secure	72	39.1	0	783018	0	1017389	0	0	1800407	1336				1802			
13	7:00	SF	Secure	72.7	39.1	0	783018	0	1017389	0	0	1800407	1336				1802			
14	8:15	SF	Secure	73.5	39.2	0	783018	0	1017389	0	0	1800407	1336				1802			
17	7:15AM	RT	Secure	75.6	39.3	0	783018	0	1017389	0	0	1800407	1336				1802			
18	9:22	RT	Secure	76.7	39.6	0	783018	0	1017389	0	0	1800407	1336				1802			
19	10:30	RT	Secure	77.4	39.6	0	783018	0	1017389	0	0	1800407	1336				1802			
20	7:50	RT	Secure	78	39.6	0	783018	0	1017389	0	0	1800407	1336				1802			
21	7:21	RT	Secure	78.6	39.6	0	783018	0	1017389	0	0	1800407	1336				1802			
24	7:45	SF	Secure	80.4	39.6	0	783018	0	1017389	0	0	1800407	1336				1802			
25	8:45	RT	Secure	80.9	89.6	0	783018	0	1017389	0	0	1800407	1336				1802			
26	7:16	RT	Secure	81.5	39.6	0	783018	0	1017389	0	0	1800407	1336				1802			
27	7:00	SF	Secure	82.1	39.7	0	783018	0	1017389	0	0	1800407	1336				1802			
28	7:00	SF	Secure	82.8	39.8	0	783018	0	1017389	0	0	1800407	1336				1802			

November - Lagoons/Blower Station 2025																				
Inspection				Pump #3				Discharge		Air	Compressor #1					Compressor #2				
Date	Time	Op	Security	Total Hours	Run Time	Amps	Hz	PSI	GPM	Temp	Total Hours	Run Time	Amps	Hz	Temp	Total Hours	Run Time	Amps	Hz	Temp
3	7:30	SF	Secure	2331	0					3	22743	0	0	0		17882	0	0	0	
5	6:30	SF	Secure	2331	0	0	0			5	22743	0	0	0		17882	0	0	0	
6	6:45	SF	Secure	2331						9	22743					17882				
7	6:45	SF	Secure	2331						5	22743					17882				
10	7:42	RT	Secure	2331						6	22743					17882				
12	6:45	SF	Secure	2331						4	22743					17882				
13	7:00	SF	Secure	2331						7	22743					17882				
14	8:15	SF	Secure	2331						8	22743					17882				
17	7:15AM	RT	Secure	2331						9	22743					17882				
18	9:22	RT	Secure	2331						7	22743					17882				
19	10:30	RT	Secure	2331						6	22742					17882				
20	7:50	RT	Secure	2331						3	22742					17882				
21	7:21	RT	Secure	2331						3	22742					17882				
24	7:45	SF	Secure	2331						5	22743					17882				
25	8:45	RT	Secure	2331						1	22743					17882				
26	7:16	RT	Secure	2331						2	22743					17882				
27	7:00	SF	Secure	2331						3	22743					17882				
28	7:00	SF	Secure	2331						4	22743					17882				

November - Lagoons/Blower Station 2025																						
Inspection				Compressor #3					Dis.	Chlorine								CL2 Tonner Scales (LBS)			CL2	
Date	Time	Op	Security	Total Hours	Run Time	Amps	Hz	Temp	PSI	GPM	PPD	CL2 Remaining	Demand	Total mg/L	Free mg/L	Demand mg/L	Elector Supply PSI	Filter	Side 1	Side 2	Demand	Online/Portable
3	7:30	SF	Secure	3620	24	41	60	65	8		0	1255	0	0.22	0.04	0.18	52	Good	1255	80	0	0/0
5	6:30	SF	Secure	3667	24	41	60	70	8		0	1270	0						1270	95	0	
6	6:45	SF	Secure	3691	24	41	60	74	8		0	1270	0						1270	95	0	0/0
7	6:45	SF	Secure	3715	24	42	60	70	8		0	1270	0						1270	95	0	0/0
10	7:42	RT	Secure	3788	24	42	60	65	8		0	1270	0						1270	95	0	0/0
12	6:45	SF	Secure	3835	24	42	60	62	8		0	1270	0						1270	95	0	0/0
13	7:00	SF	Secure	3859	24	42	60	60	8.1		0	1270	0						1270	95	0	0/0
14	8:15	SF	Secure	3884	24	42	60	68	8		0	1270	0						1270	95	0	0/0
17	7:15AM	RT	Secure	3952	24	42	60	69	8.1		0	1270	0						1270	95		
18	9:22	RT	Secure	3979	24	42	60	65	8		0	1270	0						1270	95	0	0/0
19	10:30	RT	Secure	4004	24	41	60	65	8		0	1270	0						1270	95		
20	7:50	RT	Secure	4025	24	41	60	60	8		0	1270	0						1270	95	0	0/0
21	7:21	RT	Secure	4049	24	41	60	62	8		0	1270	0						1270	95	0	0/0
24	7:45	SF	Secure	4119	24	43	60	66	8.1		0	1270	0						1270	95	0	0/0
25	8:45	RT	Secure	4119	24	43	60	60	8.1		0	1270	0						1270	95	0	0/0
26	7:16	RT	Secure	4167	24	43	60	60	8		0	1270	0						1270	95	0	0/0
27	7:00	SF	Secure	4190	24	43	60	62	8.1		0	1270	0						1270	95	0	0/0
28	7:00	SF	Secure	4214	24	43	60	65	8		0	1270	0						1270	95	0	0/0

November - Lagoons/Blower Station 2025																									
Inspection				Water Quality		Aeration Pond #1		Aeration Pond #2		Aeration Pond #3		Contact Tank	Water					Air Temperatures						Solar Panels	
Date	Time	Op	Security	Temp	pH	Dissolved Oxygen	Water Temp	Dissolved Oxygen	Water Temp	Dissolved Oxygen	Water Temp	Dissolved Oxygen	Temp	Total CL2 Residual	Free CL2 Residual	Storage Pond #1	Storage Pond #2	Online	Main	Tonner	Blowers	Pump Station	Total KWH		
3	7:30	SF	Secure			0.34	14.4	0.29	11	8.52	8.9	8	9.3	0.22	0.04				12	15	12	31	970242		
5	6:30	SF	Secure			0.36	14.7	0.3	11.4	7.93	10.8								15	17	20	31	970474		
6	6:45	SF	Secure			0.33	14.7	0.28	11.4	7.84	10.1								14	18	22	32	970475		
7	6:45	SF	Secure			0.34	14.7	0.27	11.6	7.63	10.4								15	18	20	32	970670		
10	7:42	RT	Secure			0.34	13.9	0.31	10.9	8.14	9								10	13	15		971285		
12	6:45	SF	Secure			0.32	14.2	0.3	11.1	8.26	9.1								8	13	12	32	971554		
13	7:00	SF	Secure			0.33	14.9	0.33	11.4	8.16	9.3								16	16	16	32	971577		
14	8:15	SF	Secure			0.32	15.3	0.3	11.6	8.08	9.5								16	16	16	32	971578		
17	7:15AM	RT	Secure			0.36	14.4	0.29	11.7	7.8	9.9								15	13	19		971635		
18	9:22	RT	Secure			0.33	14.3	0.32	13.2	7.89	9.9								10	16	15		971655		
19	10:30	RT	Secure			0.34	14	0.32	13.9	7.76	9.6								10	16	16		971718		
20	7:50	RT	Secure			0.33	13.6	0.32	10.8	7.63	9.25								11	15	15		971742		
21	7:21	RT	Secure			0.32	13.4	0.33	10.9	7.46	9.1								10	15	15		971963		
24	7:45	SF	Secure			0.38	13.5	0.33	10.2	6.98	8.2								12	16	14	31	971972		
25	8:45	RT	Secure			0.38	12.5	0.31	9.5	7.7	7.8								9	14	11		972204		
26	7:16	RT	Secure			0.37	12.5	0.35	9	7.96	7.8								10	14	11		972230		
27	7:00	SF	Secure			0.32	12.8	0.3	1	8.24	8								11	14	11	30	972248		
28	7:00	SF	Secure			0.33	12.1	0.3	9	8.52	7.5								10	16	12				

December - Lagoons/Blower Station 2025																				
Inspection				Storage			Discharge Total Volume m3						Pump #1				Pump #2			
Date	Time	Op	Security	Pond 1 %	Pond 2 %	Contact Tank %	Desert M3	Demand	Meadow M3	Demand	Combined M3	Total M3	Total Hours	Run Time	Amps	Hz	Total Hours	Run Time	Amps	Hz
1	7:30	SF	Secure	84.3	39.7	0	783018	0	1017389	0	0	1800407	1336				1802			
2	8:04	RT	Secure	84.8	39.8	0	783018	0	1017389	0	0	1800407	1336				1802			
3	8:43AM	SN	Secure	85	39.8	0	783018	0	1017389	0	0	1800407	1336				1802			
4	7:00	SF	Secure	85.8	39.8	0	783018	0	1017389	0	0	1800407	1336				1802			
5	7:00	SF	Secure	86.4	39.8	0	783018	0	1017389	0	0	1800407	1336				1802			
8	7:00	SF	Secure	88.2	39.8	0	783018	0	1017389	0	0	1800407	1336				1802			
9	9:02	RT	Secure	88.8	39.8	0	783019		1017389			1800408	1336				1802			
10	8:34	RT	Secure	89.4	39.9	0	783019		1017389			1800408	1336				1802			
11	7:15	SF	Secure	89.9	39.9	0	783019	0	1017389	0	0	1800408	1336				1802			
12	6:55	Af	Secure	90	40.5		783018	0	1017389	0	0	1800407	1336				1802			
15	6:40	SF	Secure	90	42.4	0	783018	0	1017389	0	0	1800407	1336				1802			
16	11:35AM	SN	Secure	90	43	0	783018	0	1017389	0	0	1800407	1336				1802			
17	8:40AM	SN	Secure	90	43.7	0	783018	0	1017389	0	0	1800407	1336				1802			
18	6:19AM	RT										0								
19	8:30AM	SN	Secure				783018	0	1017389	0		1800407	1336				1802			
22	6:42AM	RT	Secure	90	46.8	0	783018	0	1017389	0		1800407	1336				1802			
23	6:57	RT	Secure	90	47.4	0	783018	0	1017389	0		1800407	1336				1802			
24	7:00	SF	Secure	90	48	0	783018	0	1017389	0	0	1800407	1336				1802			
26	11:10AM	SN	Secure	90.2	49.5	0	783018	0	1017389	0	0	1800407	1336				1802			
29	8:54AM	MM	Secure	90.2	51		783018	0	1017389	0	0	1800407	1336				1802			
30	11:00AM	MM	Secure	90.2	51.5	0	783018	0	1017389	0		1800407	1336				1802			
31	9:13AM	MM	Secure	90.2	52		783018	0	1017389	0		1800407	1336				1802			

December - Lagoons/Blower Station 2025																				
Inspection				Pump #3				Discharge		Air	Compressor #1					Compressor #2				
Date	Time	Op	Security	Total Hours	Run Time	Amps	Hz	PSI	GPM	Temp	Total Hours	Run Time	Amps	Hz	Temp	Total Hours	Run Time	Amps	Hz	Temp
1	7:30	SF	Secure	2331						3	22743					17882				
2	8:04	RT	Secure	2331						2	22743					17882				
3	8:43AM	SN	Secure	2331						2	22743					17882				
4	7:00	SF	Secure	2331						1	22743					17882				
5	7:00	SF	Secure	2331						1	22743					17882				
8	7:00	SF	Secure	2331						0	22743					17882				
9	9:02	RT	Secure	2331						5	22743					17882				
10	8:34	RT	Secure	2331						5	22743					17882				
11	7:15	SF	Secure	2331						2	22743					17882				
12	6:55	Af	Secure	2331							22743					17882				
15	6:40	SF	Secure	2331						8	22743					17882				
16	11:35AM	SN	Secure	2331						7	22743					17882				
17	8:40AM	SN	Secure	2331						8	22743					17882				
18	6:19AM	RT																		
19	8:30AM	SN	Secure	2331						3	22764	14.08		60	70	17882				
22	6:42AM	RT	Secure	2331						1	22833	24		60	75	17882				
23	6:57	RT	Secure	2331						2	22856	24		60	74	17882				
24	7:00	SF	Secure	2331						1	22880	24	49	60	74	17882				
26	11:10AM	SN	Secure	2331						4	22931	24	49		75	17882				
29	8:54AM	MM	Secure	2331						-3	22999	24	48	60	63	17882				
30	11:00AM	MM	Secure	2331						-2	23025	24	49	60	65	17882				
31	9:13AM	MM	Secure	2331						-1	23025	24	49	60	66	17882				

December - Lagoons/Blower Station 2025																						
Inspection				Compressor #3					Dis.	Chlorine								CL2 Tonner Scales (LBS)			CL2	
Date	Time	Op	Security	Total Hours	Run Time	Amps	Hz	Temp	PSI	GPM	PPD	CL2 Remaining	Demand	Total mg/L	Free mg/L	Demand mg/L	Eiector Supply PSI	Filter	Side 1	Side 2	Demand	Online/Portable
1	7:30	SF	Secure	4284	24	43	60	60	8.1		0	1275	0						1270	95	0	0/0
2	8:04	RT	Secure	4308	24	44	60	60	8.1		0	1275	0						1275	95	0	0/0
3	8:43AM	SN	Secure	4332	24	44	60	60	8.1		0	1275	0						1275	95	0	0/0
4	7:00	SF	Secure	4354	24	44	60	60	8.1		0	1275	0						1275	95	0	0/0
5	7:00	SF	Secure	4378	24	44	60	70	8.1		0	1275	0						1275	90	0	0/0
8	7:00	SF	Secure	4448	24	44	60	76	8.1		0	1270	5						1270	90	5	0/0
9	9:02	RT	Secure	4473	24	44	60	76	8.1		0	1270	0						1270	90	0	0/0
10	8:34	RT	Secure	4496	24	43	60	78	8.1		0	1270	0						1270	90	0	0/0
11	7:15	SF	Secure	4518	24	44	60	80	8.1		0	1265	5						1265	95	5	0/0
12	6:55	Af	Secure	4541	24	44	60	80	81			1265	0						1266	95	0	
15	6:40	SF	Secure	4612	24	44	60	84	81	0	0	1265	5						1265	90	5	0/0
16	11:35AM	SN	Secure	4640	24	44	60	84	8.1		0	1265	0						1265	90	0	0/0
17	8:40AM	SN	Secure	4660	24	44	60	85	8.1		0	1265	0						1265	90	0	0/0
18	6:19AM	RT										1265	0									
19	8:30AM	SN	Secure	4663	10.33														1265	90	0	0/0
22	6:42AM	RT	Secure	4663					9			1270	0						1265	90	0	0/0
23	6:57	RT	Secure	4663					9		0	1270	0						1270	90	0	0/0
24	7:00	SF	Secure	4663	0				8.9		0	1270	0						1270	90	0	0/0
26	11:10AM	SN	Secure	4663					8.9		0	1270	0						1270	90	0	0/0
29	8:54AM	MM	Secure	4663	0				8.8		0	1270	0						1270	90	0	0/0
30	11:00AM	MM	Secure	4663	0				9		0	1270	0						1270	90	0	0/0
31	9:13AM	MM	Secure	4663	0				9		0	1270	0						1270	90	0	0/0

December - Lagoons/Blower Station 2025																								
Inspection				Water Quality		Aeration Pond #1		Aeration Pond #2		Aeration Pond #3		Contact Tank						Air Temperatures						Solar Panels
Date	Time	Op	Security	Temp	pH	Dissolved Oxygen	Water Temp	Dissolved Oxygen	Water Temp	Dissolved Oxygen	Water Temp	Dissolved Oxygen	Water Temp	Total CL2 Residual	Free CL2 Residual	Storage Pond #1	Storage Pond #2	Online	Main	Tonner	Blowers	Pump Station	Total KWH	
1	7:30	SF	Secure			0.42	11.1	0.33	7.6	9.51	5.9								16	12	10	28	972695	
2	8:04	RT	Secure			0.37	11.6	0.35	7.8	9.8	4.6								10	12	10		972727	
3	8:43AM	SN	Secure			0.37	6.9	0.33	11.4	9.45	6								10	8	12		972756	
4	7:00	SF	Secure			0.36	11.6	0.3	7.4	9.42	5.8								10	14	10		972756	
5	7:00	SF	Secure			0.38	11.9	0.29	7.6	8.94	7.1								16	16	22	28	972802	
8	7:00	SF	Secure			0.33	12.3	0.29	7.9	8.47	8.7								20	18	22	30	972833	
9	9:02	RT	Secure			0.35	11.5	0.34	7.8.	8.36	8.4								20	18	22		972861	
10	8:34	RT	Secure			0.36	12	0.35	8	8.34	7.3								21	18	23		972907	
11	7:15	SF	Secure			0.33	12.7	0.29	8.7	7.72	9								21	20	26		972941	
12	6:55	Af	Secure			0.41	7.2	0.31	8.6	8.03	6.9								22	20	24		972972	
15	6:40	SF	Secure			0.33	12.4	0.31	9	7.47	7.9								22	19	28	31	973071	
16	11:35AM	SN	Secure			0.3	9.4	0.32	9.5	7.4	8.5								22	17	27		973147	
17	8:40AM	SN	Secure			0.28	11.2	0.38	8.4	7.1	8.2								23	18	31		973164	
18	6:19AM	RT				0.33	11.3	0.32	8.6	5.35	7.7													
19	8:30AM	SN	Secure			0.35	7.7	0.37	7.5	6.32	6								16	17	28		937271	
22	6:42AM	RT	Secure			0.33	11	0.35	7.5	6.92	8.6								23	25	31		973674	
23	6:57	RT	Secure			0.35	11.3	0.31	7.3	7.16	7.9								23	16	30		973752	
24	7:00	SF	Secure			0.31	12.4	0.29	7.5	8	4.6								23	16	30	30	973795	
26	11:10AM	SN	Secure			0.31	11.2	0.33	6.4	7.54	6.5								22	16	32		973807	
29	8:54AM	MM	Secure			0.34	8.4	0.47	4.4	7.94	6.1								20	16	25		974190	
30	11:00AM	MM	Secure			0.34	9.4	0.41	4.2	8.26	5.8								22	17	25		975366	
31	9:13AM	MM	Secure			0.34	9.4	4.9	4.2	8.71	3.5								23	18	26		974433	

High School Booster Station 2025

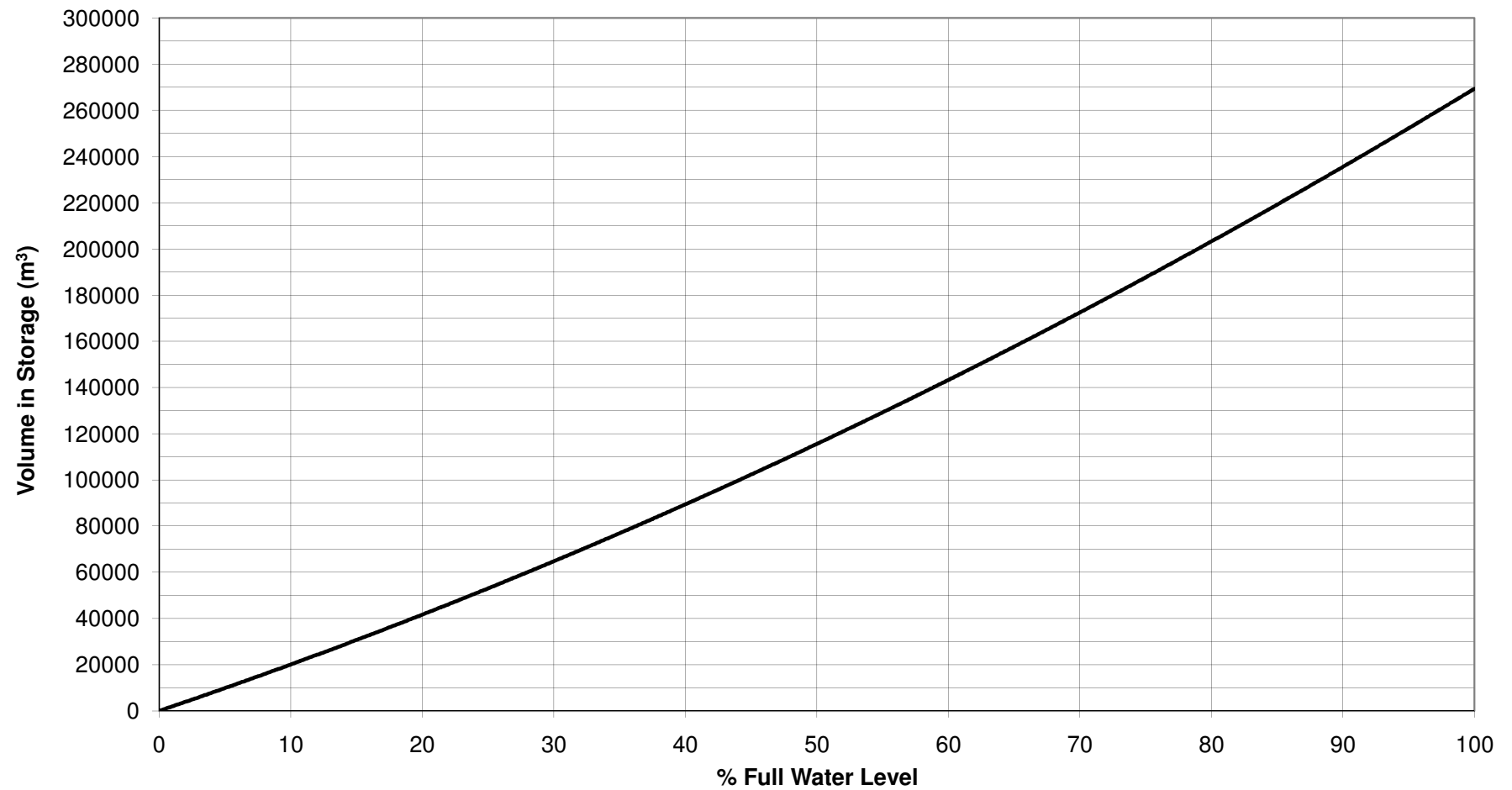
Inspection				Total Volume m3			Contact Tank			Jockey Pump				Pump 1				Pump 2				Station							
Month	Date	Time	Operator	Total	Demand	LPS	Level %	Suction PSI	Discharge PSI	Total Hours	Run Time	Ampls	Hz	Total Hours	Run Time	Amps	Hz	Total Hours	Run Time	Amps	Hz	Heater	Fan	Insulation	Clean	Antenna	Pressure Tanks	Security	Temp
March	26	11:45AM	SF	234396	0	0	86	29.4	80.5	327	0	0	0	7767	0	0	0	2055	0	0	0	Working		Winterized	Yes	Good	Not Leaking	Secure	21
April	8	9:11AM	SF	234396	0	0	87.9	29.6	78.4	327	0	0	0	7767	0	0	0	2055	0	0	0			Winterized	Yes	Good	Not Leaking	Secure	20.9
April	10	11:40 AM	KA	234414	0	0	86.8	29.4	89.4	328	0	0	0	7768	0	0	0	2056	0	0	0	Working		Winterized	Yes	Good	Not Leaking	Secure	20.9
April	16	2:45 PM	KA	234421	0	0	88.6	29.5	74.2	330	0	0	0	7769	0	0	0	2061	0	0	0	Working		Winterized	Yes	Good	Not Leaking	Secure	22
April	17	1:47 PM	KA	234426	0	0	86.8	29.5	79.7	330	0	0	0	7769	0	0	0	2067	6	0	0	Working		Winterized	Yes	Good	Not Leaking	Secure	21.4
April	21	1:43 PM	KA	234431	0	0	88.3	29.5	70.4	331	0	0	0	7775	0	0	0	2067	0	0	0	Working		Winterized	Yes	Good	Not Leaking	Secure	22.4
April	22	2:21 PM	KA	234437	0.3	0	92.64	29.6	75.9	332	0	0	0	7775	0	0	0	2072	0	0	0	Working		Winterized	Yes	Good	Not Leaking	Secure	21.3
April	23	1:25 PM	KA	234443	0.4	0	92.4	29.6	74.3	333	1	0	0	7775	0	0	0	2079	7	0	0	Working		Winterized	Yes	Good	Not Leaking	Secure	21.8
April	24	1:23PM	SF	234447	0.4	0	88.59	29.5	85.9	335	0	0	0	7775	0	0	0	2086	0.1	0	0				Yes	Good	Not Leaking	Secure	22.2
April	25	9:34AM	SF	234452	0.4	0	91	29.6	78.9	336	0	0	0	7775	0	0	0	2092	0	0	0			Summerized	Yes	Good	Not Leaking	Secure	23.2
April	29	11:17AM	SF	234474	0.4	0	90.4	29.5	85	338	0	0	0	7775	0	0	0	2119	0	0	0			Summerized	Yes	Good	Not Leaking	Secure	23.7
May	1	8:05AM	SF	234491	0.4	0	89.7	29.4	102	340	0	0	0	7775	0	0	0	2133	0.1	0	0			Summerized	Yes	Good	Not Leaking	Secure	24.4
May	2	11:45AM	SF	234497	0.4	0	89.55	29.6	85.2	340	0	0	0	7775	0	0	0	2139	0.1	0	0			Summerized	Yes	Good	Not Leaking	Secure	24.6
May	9	11:15AM	SF	234539	0.4	0	91.7	29.6	71.7	344	0	0	0	7775	0	0	0	2186	0	0	0			Summerized	Yes	Good	Not Leaking	Secure	23.6
May	13	9:15AM	SF	234564	0.4	0	91	29.6	96.7	346	0	0	0	7775	0	0	0	2213	0.1	0	0			Summerized	Yes	Good	Not Leaking	Secure	22.8
May	14	11:45AM	SF	234569	0.4	0	87.8	29.4	86.8	346	0	0	0	7775	0	0	0	2219	0	0	0			Summerized	Yes	Good	Not Leaking	Secure	23.3
May	19	12:06PM	BJ	234596	0.4	0	90.9	29.5	90.8	348	0	0	0	7775	0	0	0	2252	0	0	0			Summerized	Yes	Good	Not Leaking	Secure	23.3
May	21	10:05AM	SF				88.9																						
May	23	8:00AM	KC	234623	0.4	0	84.3	29.5	96.4	350	0	0	0	7775	0	0	0	2281	0	0	0			Summerized	Yes	Good	Not Leaking	Secure	24
May	27	8:40AM	MM	234647	0.4	0		29.3	107.5	352	0	0	0	7775	0	0	0	2308	0	0	0		Working	Summerized	Yes	Good	Not Leaking	Secure	27
May	28	11:45AM	SF	234655	0.4	0	86	29.4	92	353	0	0	0	7775	0	0	0	2314	0	0	0		Working	Summerized	Yes	Good	Not Leaking	Secure	24.2
May	29	11:40AM	SF	234660	0.4	0	86.6	29.4	90.1	353	0	0	0	7775	0	0	0	2321	0	0	0		Working	Summerized	Yes	Good	Not Leaking	Secure	24.1
June	2	7:05AM	SF	234680	0.4	0	86.1	29.1	102.7	355	0	0	0	7775	0	0	0	2348	0	0	0		Working	Summerized	Yes	Good	Not Leaking	Secure	20.1
June	6	8:10AM	SF	234705	0.4	0	87	29.3	101.4	357	0	0	0	7776	0	0	0	2377	0	0	0		Working	Summerized	Yes	Good	Not Leaking	Secure	25.2
June	12	7:45AM	SF	233742	0.4	0	84.2	29.3	104.5	361	0	0	0	7776	0	0	0	2429	0	0	0		Working	Summerized	Yes	Good	Not Leaking	Secure	26.7
June	19	7:44AM	MM	234785	0.4	0		29.6	105.2	366	0	0	0	7776	0	0	0	2493	0	0	0		Working	Summerized	Yes	Good	Not Leaking	Secure	23
June	23	9:31Am	BJ	234804	0.4	0	81.1	29.7	100	368	2	0	0	7785	0	0	0	2519	0	0	0		Working	Summerized	Yes	Good	Not Leaking	Secure	20
June	24	2:00PM	BJ	234810	0.4	0	92.1	29.6	92.8	369	0	0	0	7785	0	0	0	2528	0	0	0		Working	Summerized	Yes	Good	Not Leaking	Secure	25
June	25	8:40AM	SF	234819	0.4	0	91.6	29.4	103.1	369	0	0	0	7785	0	0	0	2537	0	0	0		Working	Summerized	Yes	Good	Not Leaking	Secure	24.8
June	27	7:30AM	SF	234829	0.4	0	91	29.5	105	370	0	0	0	7785	0	0	0	2554	0	0	0		Working	Summerized	Yes	Good	Not Leaking	Secure	22.9
June	30	10:30AM	SF	234844	0.4	0	85.5	29.3	99.1	372	0	0	0	7793	0	0	0	2572	0	0	0		Working	Summerized	Yes	Good	Not Leaking	Secure	26.6
July	11	8:37AM		234910	0.4		84.5	29	101	380				7794				2669	0.1				Working	Summerized	Yes	Good	Not Leaking	Secure	24
July	18	9:10AM	MM	234946	0.4	0	90	29.4	103	384	0	0	0	7823	0	0	0	2701	0	0	0		Working	Summerized	No	Good	Not Leaking	Secure	25
July	28	7:40AM	SF	235009	0.4		82	29.6	105.9	390	0	0	0	7848	0	0	0	2767	0	0	0		Working	Summerized	Yes	Good	Not Leaking	Secure	24.7
July	30	6:45	AF	235023	0.4	0		29.3	106.6	392	0	0	0	7857	0	0	0	2784	0	0	0		Working	Summerized	Yes	Good	Not Leaking	Secure	26.4
July	31	7:13	BJ	235023	0.4	0	85.1	29.2	105.7	392	0	0	0	7857	0	0	0	2784	0	0	0		Working	Summerized	Yes	Good	Not Leaking	Secure	27
August	1	7:07AM	SN	235028	0.4			29.1	107	392				7860				2789					Working	Summerized	Yes	Good	Not Leaking	Secure	26
August	5	7:52AM	SF	235060	0.4	0	87.2	29.3	94.1	397	0	0	0	7874	0	0	0	2808	0	0	0		Working	Summerized	Yes	Good	Not Leaking	Secure	23.8
August	6	1:21PM	KC	235065	0.4	0		34.7	90.7	398	0	0	0	7880	0	0	0	2808	0	0	0		Working	Summerized	Yes	Good	Not Leaking	Secure	26
August	8	8:23AM	AF	235079	0.4	0	84.8	33.4	101.4	399	0	0	0	7880	0	0	0	2821	0.1	0	0		Working	Summerized	Yes	Good	Not Leaking	Secure	23.1
August	14	8:50AM	SN	235111	0.3		87.6	33	101	401				7880				2859	0.1				Working	Summerized	Yes	Good	Leaking	Secure	23
August	21	10:42AM	SN	235155	0.3			31.6	101.3	408	0	0	0	7880	0	0	0	2905	0	0	0		Working	Summerized	Yes	Good	Not Leaking	Secure	25
August	22	7:02AM	AF	236160	0.3		90.1	31.6	104	409	0	0	0	7880	0	0	-	2912	0	0	0		Working	Summerized	Yes	Good	Not Leaking	Secure	23.6
August	27	8:45AM	SF	235187	0.3		89.8	33.1	103.8	418	0	0		7880	0	0		2944	0.1				Working	Summerized	Yes	Good	Not Leaking	Secure	26.3
August	28	8:25AM	AF	235192	0.3		90.3	32.7	104.2	421	0	0	0	7880	0	-	-	2949	0.1	0	0		Working	Summerized	Yes	Good	Not Leaking	Secure	25.4
August	29	1:13PM	SN	235194	0.3		89	31	104	426				7880				2953	0				Working	Summerized	Yes	Good	Not Leaking	Secure	26
September	3	8:20AM	SF	235221	0.3	5.8	86.2	33.3	104.2	435	0			7881	0			2982	0	17.2	45.9		Working	Summerized	Yes	Good	Not Leaking	Secure	24.9
September	4	7:25AM	SN	235230	0.3		88.4	34	105	437				7881				2989					Working	Summerized	Yes	Good	Not Leaking	Secure	22
September	5	8:30AM	SN	235235	0.3		89	33	103	440				7881				2994					Working	Summerized	Yes	Good	Not Leaking	Secure	22
September	12	7:05AM	SN	235276	0.03		82	33.4	104.4	449				7884				3039					Working	Summerized	Yes	Good	Not Leaking	Secure	21
September	15	8:00AM	SF	235299	0.3		93.1	32.6	103.1	454	0			7885	0			3056	0				Working	Summerized	Yes	Good	Not Leaking	Secure	22.3
September	17	7:10:00am	SF	235317	0.3		93.7	33	105	458	0			7885	0			3069	0.1				Working	Summerized	Yes	Good	Not Leaking	Secure	22
September	18	10:50	AF	235327	0.3			33	100	460				7885				3075					Working	Summerized	Yes	Good	Not Leaking	Secure	25
September	19	7:15AM	SF	235336	0.3		93.7	33.3	102.6	462	0			7885	0			3081	0				Working	Summerized	Yes	Good	Not Leaking	Secure	23.8
September	22	7:45	AF	235358	0.3		93.4	36.8	101.8	466				7886				3100					Working	Summerized	Yes	Good	Not Leaking	Secure	19.8
September	25	7:20AM	SF	235590	0.6		93.7	33.8	99.9	468	0			7886	0			3114	0				Working	Summerized	Yes	Good	Not Leaking	Secure	19.5
October	2	7:20	SF	235611	0		93	29.5	77.4	472	0			7889	0			3											

APPENDIX E

Winter Effluent Storage Lagoon Calibration Curves (OC
7.2.4.4)

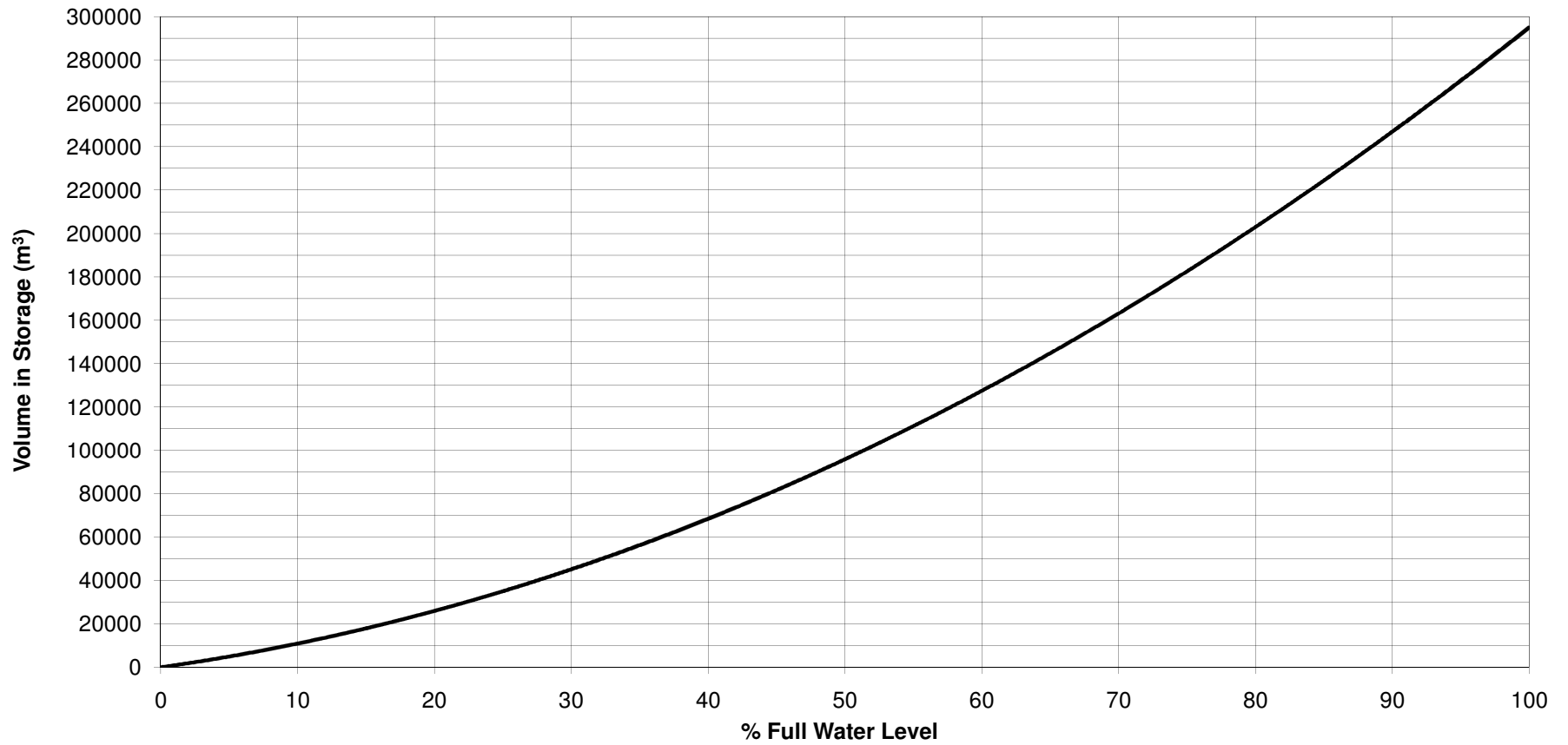
Winter Storage Lagoon #1 Calibration Curve

$$\text{vol} = 7.6499x^2 + 1928.6x$$



Winter Storage Lagoon # 2 Calibration Curve

$$\text{vol} = 20.646x^2 + 885.85x$$



APPENDIX F

Seasonal Precipitation Summary: 2009-2024 for Osoyoos,
BC(Station: Osoyoos CS, OC 7.2.4.12)

Seasonal Precipitation Summary: 2009 - 2025
Total Monthly Precipitation (mm) for Osoyoos CS

Month	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Total for Season
Climate Normals 1971-2000	27.8	25.5	22.5	23.5	37.4	35.9	24.3	21.2	16.1	17.1	32.1	34.2	175.5
2009	-	-	-	13.8	35.8	47.0	63.4	61.0	34.2	27.2*	11.8	-	282.4
2010	-	-	12.2	22.6	90.2	61.4	19.0*	5.4*	28.2*	16.8	13.6	-	243.6
2011	-	-	51.4	13.4	65.6	6.2*	19.2*	2.6*	5.0*	18.6	18.8	-	130.6
2012	-	-	54.2*	34.0	17.6	79.8*	49.5*	2.1*	0.7*	35.4*	58.7	61.5	219.0
2013	18.9	5.3	12.6	15.6	19.5	41.5	4.0	15.9	50.7	7.0	20.7	13.3*	154.2
2014	12.3	31.6	9.1	19.4	15.4	23.7*	24.9	9.8	7.6	28.2	51.5	28.9	129.0
2015	23.7	10.1	14.5	4.8	36.6	33.9	8.2	7.5	0.6	15.2	27.4	74.6*	106.8
2016	34.3*	21.7	42.0	9.3	12.8	32.3	25.0	20.3	7.0	59.7	36.3	15.0	166.4
2017	25.4	19.8	31.2	71.7	52.2	8.2	0.0	0.6	0.9	6.2	48.4	28.9	139.8
2018	65.6	18.0	58.7	39.1	35.9*	35.5	4.5	0.0	5.7	17.8	16.1	33.0	138.5*
2019	22.9	15.9	16.7	10.5	0.4*	M	M	M	M	M	M	M	10.9*
2020	M	M	M	M	M	43.3	5.1	5.7	2.2	30.4	31.8	32.0	150.5*
2021	45.3	22.9	2.3	14.3*	0.0	33.5	2.7	7.5	7.4	53.8	25.6	31.5	246.8*
2022	36.1	9.6	15.4	11.5	16.3	47.1	21.6	0.5	3.7	3.7	37.1	45.2	104.4
2023	31.1	11.8	8.7	19.1	40.3	5.7	9.6*	19.0*	17.6	13.8	19.1	33.5	125.1*
2024	35.7	15.8	26.2	9.9*	17.3*	20.9*	7.3	27.3	16.3	10.3*	56.5	42.3*	109.3*
2025	14.2	25.0	42.4	5*	12.2*	11.5*	11.3	10.9*	4.6	10.2	73.0	14.5	153.2*

*The value displayed is based on incomplete data

M = Missing Data

Data compiled from Environment Canada

APPENDIX G

Groundwater Monitoring Well Elevations and WWAL
Hydrological Review (OC 7.2.4.9)

Ground Water Monitoring Wells (GWMW) - Monthly Levels 2025										
Month	MW-1-01	MW-2-01	MW-5-10	MW-6-10	MNW-7-10	MW-8-10	MW-9-10	MV-DP10-21	MV-DP-11-21	GC-12
January	8.93	9.71	8.74	Dry	12.49	6.45	14.68	8.48	Dry	4.44
February	8.98	9.76	8.74	Dry	12.5	6.78	14.66	8.44	Dry	3.75
March										
April										
May										
June										
July										
August										
September										
October	9.2	10.18	8.59	Dry	12.35	7.38	14.22	8.39	Dry	5.3
November	9.25	10.32	8.69	Dry	12.25	7.47	14.36	8.48	Dry	4.9
December	9	10.38		Dry	12.42	7.25	14.45	8.48	Dry	Dry

	Wells were not monitored during this time
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June 27, 2025

FILE: 19-013-04VR

Town of Osoyoos
c/o TRUE Consulting
2089 Falcon Road,
Kamloops, B.C.
V2C 4J2

Attention: Natalie Alteen, P.Eng.

Re: Hydrogeological Review of the Town of Osoyoos Reclaimed Wastewater Irrigation and Disposal System Environmental Monitoring Program – 2024

Dear Ms. Alteen:

Western Water Associates Ltd. (WWAL) is pleased to provide this hydrogeological review of the Town of Osoyoos' (the Town) reclaimed wastewater irrigation and disposal system environmental monitoring program. The Town municipal wastewater system operates under the Ministry of Environment and Parks (ENV) Operational Certificate (OC) ME 12214 which outlines the parameters in which the facility must operate and requirements for annual reporting as approved by the ENV.

TRUE Consulting has prepared the annual reports on behalf of the Town since 2010. Condition 5.7 of the OC and its subsections outline the requirements for a groundwater and surface water monitoring plan and annual reporting, to be completed annually by a hydrogeologist licensed to practice with Engineers and Geoscientists B.C. Annual input from a hydrogeologist on the annual monitoring hadn't been completed until 2019, when WWAL compiled all available data up to and including 2017 and prepared a comprehensive hydrogeological report (WWAL, 2019). WWAL completed an annual monitoring report between the 2018 and 2019 reporting year (WWAL, 2020). In 2021 and 2023, acting on recommendations made in these previous reports, WWAL oversaw the installation of three new monitoring wells. Information on the three new wells is included in this report.

This report updates our previous assessments with data collected between 2020 and 2024. The reader is referred to our 2019 report for detailed information on site geology, derivation of groundwater flow direction, hydrogeologic setting and monitoring well logs.

1. BACKGROUND

The Town of Osoyoos has been collecting municipal wastewater, treating it to reclaimed water reuse standards and using the reclaimed wastewater for irrigation on the Osoyoos West Bench since 1978. The Town operated the wastewater treatment facility under Waste Management Permit PE 86; which was replaced by Operational Certificate No. ME 12214 issued December 18, 1998. The treatment and storage facility is located on the west side of Town near the Osoyoos Golf and Country Club (OGCC) (Figure 1).

Permit ME 12214 requires that effluent be treated to a minimum quality of 45 mg/L BOD₅ and TSS of 60 mg/L and allows disinfected reclaimed water to be spray irrigated between March 15 and November 15. The current treatment facility uses secondary treatment processes comprised of a chlorine contact basin, with three aeration cells and two storage ponds to treat the municipal wastewater. In 2013, the Town constructed a rapid infiltration basin (RIB) facility with a design capacity of 500 m³/day, which is used to dispose of excess reclaimed water when needed and to facilitate draining of the storage lagoons for routine maintenance. In 2020, the main lift station was upgraded and replaced, and the old station was removed in 2021.

During winter months, the treated municipal wastewater is stored in the two storage ponds with a total capacity of 565,000 m³. In the summer months, the reclaimed wastewater is used to spray irrigate the nearby 36-hole golf course, several ball diamonds and infield area of Desert Park, and the playing fields at the nearby Secondary School (Figure 1). The total irrigation area is approximately 76 Ha in size. Annual monitoring reports prepared by TRUE on behalf of the Town are detailed and contain information on the wastewater storage and annual balancing, system components, irrigation volumes and effluent/reclaimed water quality.

At the request of the Town, WWAL installed two new monitoring wells in May 2021, to monitor locations being irrigated with reclaimed water that were not previously monitored. Monitoring Well MW-10-21 is located downgradient of the rapid infiltration basin southeast of the Desert Park Facility and the second well, MW-11-21, is located immediately east of the biosolids sludge drying area along 115 Street. Drilling and installation of a third monitoring well, MW-12-23, was completed as a potential replacement for the existing background monitoring well (MW-8-10), believed to be influenced by the former upgradient mining operations. This well is located at the Osoyoos Golf Club, and was deferred until March 2023 prior to golf season starting. The drilling program and well installation details are briefly outlined in Section 2 below.

2. MONITORING WELL DRILLING

Monitoring wells MW-10-21 and MW-11-21 were completed between May 3 and 4, 2021, and were drilled by Mud Bay Drilling of Surrey, B.C. with a rubber tracked Sonic DB320 drill rig. The wells were completed to depths of 7.3 m and 7.7 m below ground surface (bgs) into unconsolidated sediments. Both wells are 50 mm in diameter, are equipped with a J-Plug cap and a 10 slot screen 1.5 m in length, have an approximate 0.8 m stick-up and an above ground lockable monument casing cemented in place.

Monitoring well MW-12-23, was drilled by Valley Wide Drilling Ltd. of Kelowna, B.C. with a rubber tracked ODEX drill rig. The well was completed to depth of 6.1 m bgs into unconsolidated sediments with a 1 m long bedrock sump. The well is 50 mm in diameter with a 10 slot screen 2.1 m in length. At the request of the golf course for aesthetic reasons, the well head was completed flush with the ground.

All three wells have 10-20 filter sand in the annulus surrounding the well screens and a bentonite seal installed as appropriate above the screened interval and at surface and are in compliance with the requirements of the B.C. Groundwater Protection Regulation (ENV, 2016).

After drilling and installation, monitoring well MW-10-21 was developed, purged and sampled for wastewater indicator parameters. Both MW-11-21 and MW-12-23 were dry at the time of installation and could not be developed or sampled immediately thereafter.

Lithology encountered during drilling and monitoring well installation details are shown on the attached monitoring well logs and monitoring well locations are shown on attached Figure 1.

3. MONITORING NETWORK

According to the requirements of the Operational Certificate, the groundwater monitoring program consists of bi-annual (May and September) monitoring of groundwater quality and monthly monitoring of water levels in ten monitoring wells surrounding the facility. While water levels have largely been collected on a monthly basis, recent data provided to WWAL indicates water quality samples have not been collected as frequently as the OC requires (twice annually) in recent years. Wells containing water were sampled twice in 2020 and 2023, but only once in 2021, 2022 and 2024.

Monitored wells MW-1-01, MW-5-10, MW-7-10, MW-8-10, and MW-9-10 have consistently been sampled for water quality as of May 2011. Monitoring well MW-6-10 has been dry since it was drilled. Measurable water level was observed at MW-6-10 in October 2019; however, the well had too little water to collect a sample. Monitoring well MW-2-01 was dry prior 2013 and has had too little water to collect water samples in subsequent sampling events except in May 2017 and September 2023, when water samples were collected at this location.

Water levels at MW-10-21 were not collected monthly until January 2023 and only two water quality samples have been collected at this location, once in May 2021 and again in April 2023. The reason for this is unclear, as there appears to be an adequate volume of water to collect a water quality sample (typically 1 m to 2 m). Monitoring well MW-12-23 was dry at the time of installation (2023) but has had measurable water since April 2024. Based on water levels collected at MW-12-23, there was too little water to collect a water quality sample during the September 2024 sampling event. MW-11-21 has been dry since installation.

The water quality parameters assessed in each well over the period 2021-2024 included the following:

- Total hardness (total, as CaCO_3),
- Nutrients (aggregate nitrate + nitrite (as N), ammonia (as N), and total dissolved phosphorus),
- Chloride anion; and
- Total sodium.

Town staff complete water level monitoring monthly and collect water quality samples twice yearly. Sampling involves purging each well of at least three well volumes with a submersible pump on day one and collecting water samples the next day from the submersible pump discharge.

Table 3.1 summarizes the well construction details for the program monitoring wells and detailed well logs for wells completed prior to 2021 were included in our 2019 report (WWAL, 2019). Attached Figure 1 depicts the location of all groundwater monitoring wells included in the groundwater sampling program.

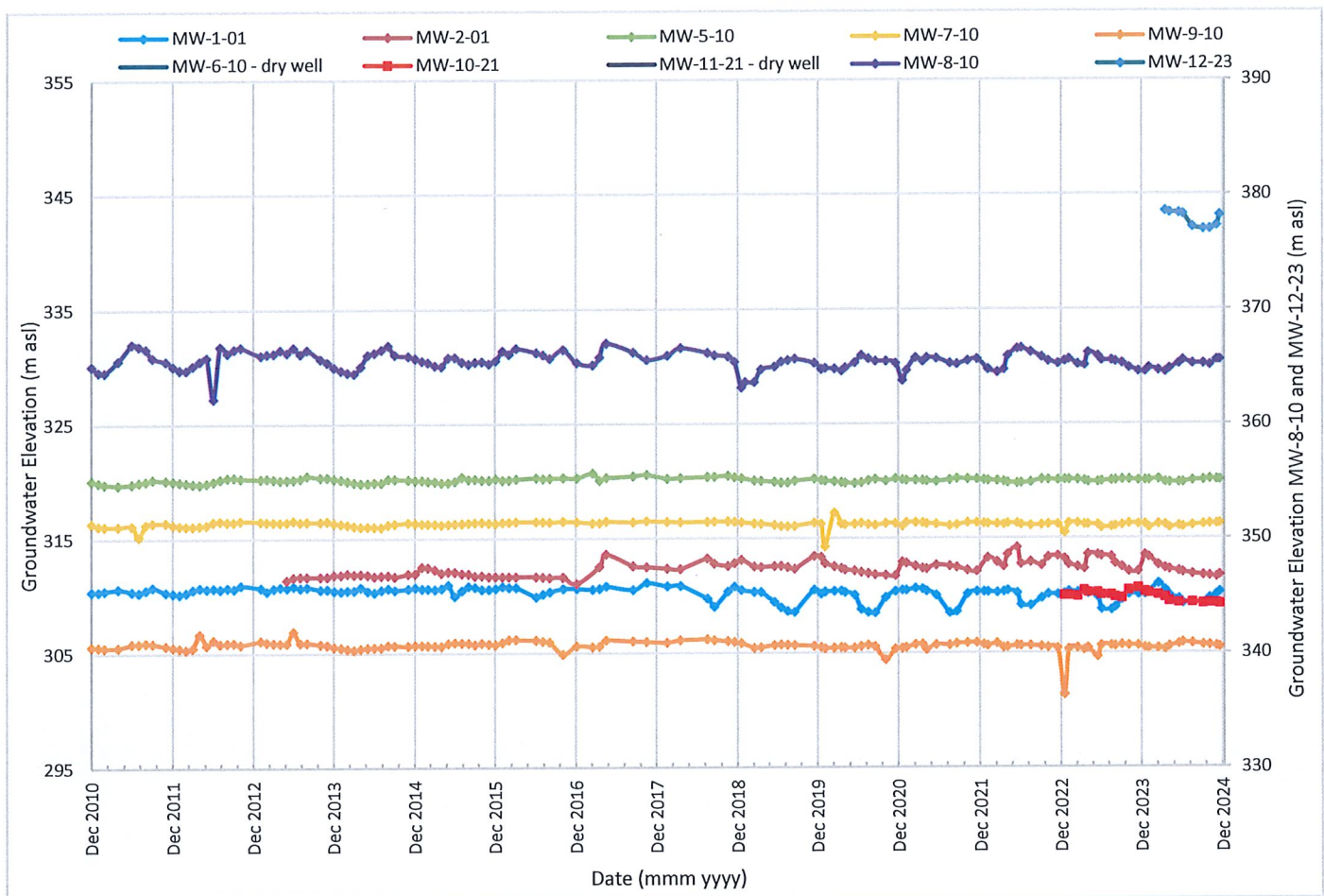
Table 3.1 Summary of Monitoring Well Construction Details

Well ID	Completion Date	Well Depth (m bgs)	Screened Interval (m)	Top of Casing Elevation (m asl)	Ground Surface Elevation (m asl)	Location Relative to Wastewater Treatment and Storage Facility
MW-1-01	2001	18.3	None	319.4	318.4	East (downgradient)
MW-2-01	2001	9.5	None	321.3	320.3	Southeast (cross gradient)
MW-5-10	October 2010	14.3	9.25-14.3	328.9	328.2	Northeast (cross gradient)
MW-6-10	October 2010	8.3	3.25-8.3	320.5	319.9	Northeast (cross gradient)
MW-7-10	October 2010	15.9	10.9-15.9	328.8	328.3	Northeast (downgradient)
MW-8-10	October 2010	11.3	6.25-11.3	372.1	371.5	Southwest (upgradient)
MW-9-10	October 2010	25	20.0-25.0	320.2	319.4	Southeast (downgradient)
MW-10-21	May 2021	8.46	6.2-7.7	317.76	317.0	Southeast (cross gradient)
MW-11-21	May 2021	8.13	5.8-7.3	322.83	322.0	East (downgradient)
MW-12-23	March 2023	6.1	4.0-6.1	382.9	383.0	Northwest (upgradient)

Notes: Completion data as outlined on well log; Ground and top of casing elevations for wells MW-10-21, MW-11, 21 and W-12-23 were approximated from Google Earth. Elevations for the remaining wells was provided by TRUE Consulting.

4. HISTORICAL GROUNDWATER LEVELS

Figure 4.1 below illustrates 2011-2024 water level hydrograph for all monitored wells. The groundwater monitoring program includes eight downgradient monitoring wells (MW-1-01, MW-2-01, MW-5-10, MW-6-10, MW-7-10, MW-9-10, MW-10-21 and MW-11-21) and two upgradient monitoring wells (MW-8-10 and MW12-23; background wells) to the treatment facility and irrigated areas. Groundwater flow direction beneath the WWTP lands is in a generally eastward direction towards Osoyoos Lake (WWAL 2019).

Figure 4.1 Groundwater Elevation Hydrograph of Osoyoos WWTP Discharge Monitoring Wells

Water table elevations were relatively stable prior to 2017/2018, after which levels at the majority of the wells, except at MW-5-10 and MW-2-01, show a slight decreasing trend. Annual fluctuations at MW-5-10, MW-7-10, and MW-9-10 are on the order of 0.5 m to 1 m. Monitoring wells MW-1-01 and MW-2-01 typically fluctuated less than 1 m prior to 2017. Well MW-2-01 increased slightly in 2016 and has been relatively stable since. After 2017, water level fluctuations increased to 1 m to 2 m annually at MW-1-01 and MW-2-01. According to TRUE, in 2017 a standpipe was installed on the reclaimed water system at the former Tree Farm, located directly north of MW-1-01 (TRUE, 2025). The Town uses the standpipe to flush the supply system at the start and end of each irrigation season, which could result in the increased fluctuations observed at MW-1-01 but likely not for MW-2-01. While MW-9-10 is in close proximity to MW-2-01 and MW-1-01, it is screened within dense clay, not the more permeable surficial sediments like the other two wells, which could reduce the observed effect of the reclaimed water discharge on the table.

Monitored well MW-8-10, fluctuates approximately 1 m to 2 m annually. Monitoring well MW-8-10 is located upgradient of the irrigation area, at the base of a slope with natural draws to the north and south. These draws are likely to convey water, at least seasonally, which would contribute to the variability in

groundwater levels observed in MW-8-10. Annual water level fluctuated by 1.6 m in 2024 at MW-12-23, also located upgradient of the irrigation area and within a draw; however, no long-term or seasonal trend can be established as water levels have only been collected since April 2024 at this location.

Annual fluctuations at MW-10-21 are approximately 1 m in magnitude, but water levels at this location have only been collected since January 2023 (2 years) and long-term seasonal trends cannot be established at this time. MW-10-21 was purposely sited downgradient of the rapid infiltration basin and is expected to show response to wastewater discharge at that facility, but discharge records were not recorded in 2024.

The water level measured on January 2023 at MW-9-10 was its lowest on record and approximately 4 m lower than typical levels at this location. This water level measurement is anomalous and could be a result of a recording error as MW-1-01 and MW-2-01 (located in close proximity to MW-9-10) do not show a marked decrease in water level at the same time. Otherwise, water levels at MW-9-10 have been relatively stable over the period of record.

Seasonal water levels at MW-5-10 have remained similar throughout the period of record and show an increasing trend in spring and summer (June – October) and a decreasing trend in the winter months (November – May), consistent with the effects of irrigation return flow. Seasonal water levels between 2020 and 2023 at MW-2-01 show two peaks, one in late winter (January/February) and the other in early spring (May/June) with lowest levels in November and December. These seasonal patterns could be the result of contributions from the upgradient RIB's, and from irrigation return flows. In 2024, water levels were highest in January and decreased for the remainder of the year. This trend has occurred in the past (2014 and 2019).

Seasonal water levels at MW-7-10 and MW-1-01, and MW-9-10 show an increasing trend in late summer and fall and MW-7-10 and MW-9-10 show a decline in water level in the winter months through spring (December – June). Seasonal water levels at MW-1-01 remains moderately stable late winter through early spring (January – March) then the trend decreases April and into August. The increase in seasonal water levels at these monitoring wells occurs near the end of the irrigation season, when evapotranspiration rates for the area are at their lowest. This trend suggests that during the hot summer months (July and August) the spray irrigation water is largely being consumed by the plants. The supply system flushing, at the beginning and end of the irrigation season could contribute to the elevated water levels in the fall in particular at MW-1-01 and to a lesser extent MW-9-10.

5. HISTORICAL GROUNDWATER QUALITY DATA

Assessing potential impact on the receiving environment from reclaimed water spray irrigation is the main objective of the current groundwater monitoring program. The receptors of concern are aquifers (potentially used for drinking water) at and downgradient of the site and the downgradient surface waterbodies, in particular, Osoyoos Lake (WWAL, 2019).

Based on the above receptors of concern, the water quality data were compared to the following applicable guidelines and standards:

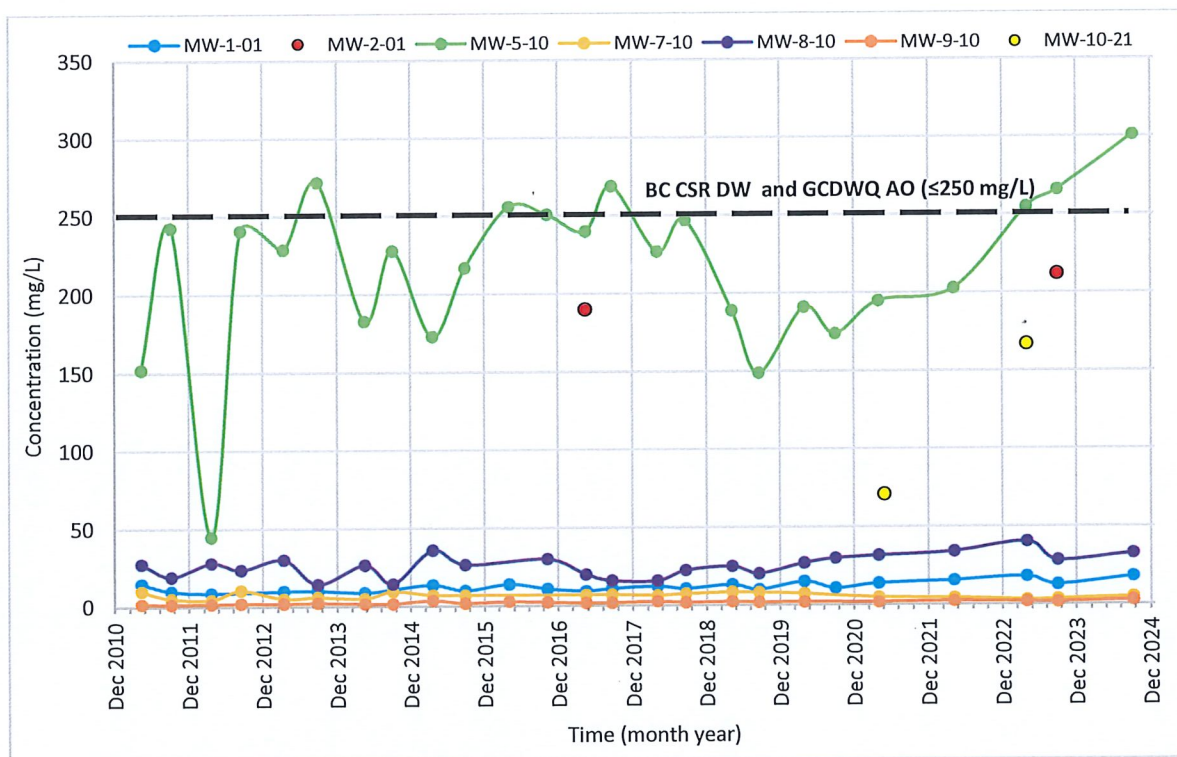
- Guidelines for Canadian Drinking Water Quality Maximum Acceptable Concentration (health-based guideline) (GCDWQ MAC) and Aesthetic Objectives (GCDWQ AO) (Health Canada, 2025a); and
- B.C. Contaminated Sites Regulation, Schedule 3.2, Generic Numerical Water Standards for Drinking Water (BC CSR DW) and Aquatic Life (BC CSR AW) (ENV, 1997)

Water quality data for selected parameters sampled at the monitored wells are discussed in the sections below. Time series plots, illustrating concentrations of each parameter over the period of record (14 years), are provided for the following parameters: chloride, sodium, nitrate, ammonia, total dissolved phosphorus, and hardness.

5.1 Chloride

The presence of chloride is not of direct concern to human health; however, concentrations above background levels can indicate impacts on groundwater. Chloride is an indicator of anthropogenic impact and it is a conservative ion, meaning it does not sorb to soil or degrade in the environment. While chloride is usually naturally present in small concentrations in groundwater, elevated chloride can be due to anthropogenic activities such as road salting, industrial processes, wastewater effluent disposal to ground, and agricultural activity. The time series plot for chloride is displayed on Figure 5.1 below.

Figure 5.1 Time Series Plot for Chloride



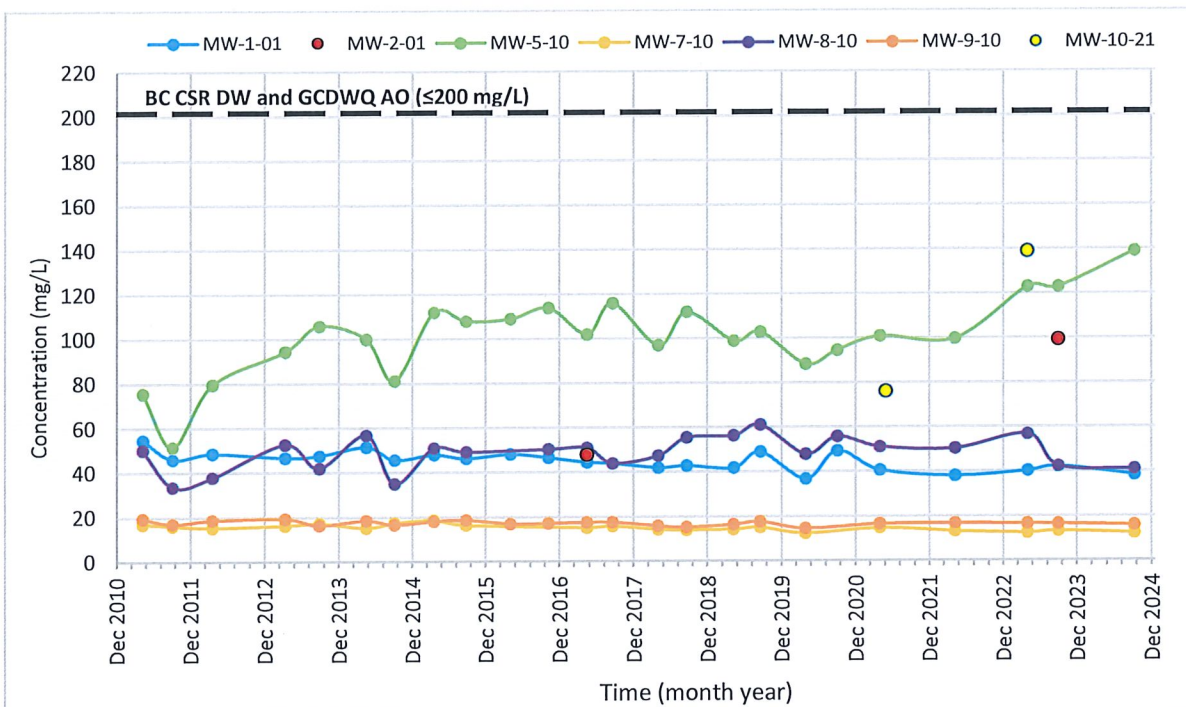
Chloride concentrations at MW-5-10 have been above both the GCDWQ AO guideline and BC CSR DW standard since the April 2023 sampling event. Chloride at MW-5-10 trends above the rest of the monitoring wells, with concentrations averaging 215.8 mg/L over the period of record. This is not a new exceedance at this location; chloride exceeded the guideline/standard in 2013, 2016 and 2017. Chloride concentrations in all other wells monitored were below both guideline and standard and have been relatively stable and low (below 50.0 mg/L) at MW-7-10, MW-8-10, MW-9-10, and MW-1-01 throughout the period of record.

It is not fully clear but considered unlikely that elevated chloride at MW-5-10 is completely attributable to the spray irrigation program, as elevated concentrations of this magnitude are not observed in any of the other wells, several of which have significantly more irrigated land area upgradient. We suspect there is likely an unknown source of chloride proximal to MW-5-10, such as chemical fertilizer application on the golf course, if that occurs. Water quality at MW-5-10 could be affected more than at other monitoring locations as the area upslope (west) is interpreted to be comprised of shallow soils over bedrock, whereas other portions of the golf course overlie thicker sediments. Unfortunately, chloride is not sampled in the reclaimed water, which would be valuable in interpreting the monitoring well data.

Based on two observations at each monitored location, chloride at MW-2-01 and MW-10-21 are elevated compared to other wells at an average of 201.0 mg/L and 119.0 mg/L, respectively. No trend can be inferred as there are only two data points for each well. However, MW-10-21, is located directly downgradient of the RIB's, which is a potential source of the elevated chloride observed at this location.

5.2 Total Sodium

The presence of sodium above background concentrations can indicate wastewater impacts on groundwater. Sodium can also be present naturally due to weathering of bedrock containing natural sources of sodium or due to anthropogenic activities such as road salting, sewage and industrial effluents, home water softener use, and agricultural activity. The time series plot for total sodium concentrations at all monitoring wells are displayed on Figure 5.2.

Figure 5.2 Time Series Plot for Total Sodium

Total sodium concentrations in all of the wells monitored were below the GCDWQ AO guideline and BC CSR DW standard of 200 mg/L. Wells MW-7-10 and MW-9-10 display a near-constant concentration ranging between 12.5 mg/L and 19.5 mg/L over time. Well MW-1-01 shows a slight decreasing trend overall, with concentrations between 36.9 mg/L and 54.8 mg/L. Well MW-8-10 displays some variability, with a range of 33.0 to 61.0 mg/L. Concentrations at MW-1-01 and MW-8-10 follow a similar pattern between 2019 and 2023, and in late 2023 and 2024, sodium was detected at similar concentrations at both locations.

Well MW-5-10 shows the most variability and the highest concentrations, ranging from 51.7 mg/L to 139.0 mg/L over the period of record, with increasing concentrations since April 2022. Similar to chloride, sodium concentrations at MW-5-10 are markedly higher than at other sampling sites.

Sodium at MW-2-01 increased from its previous result in 2017 from 47.9 mg/L to 99.3 mg/L in September 2023. Similarly, concentrations at MW-10-21 increased from 76.2 mg/L (May 2021) to 139.0 mg/L (April 2023). Sodium concentrations at these wells are elevated compared to other wells (except at MW-5-10); however, no trends can be inferred at this time (two data points).

The relative concentration of sodium between monitoring wells and pattern over time is similar to that for chloride.

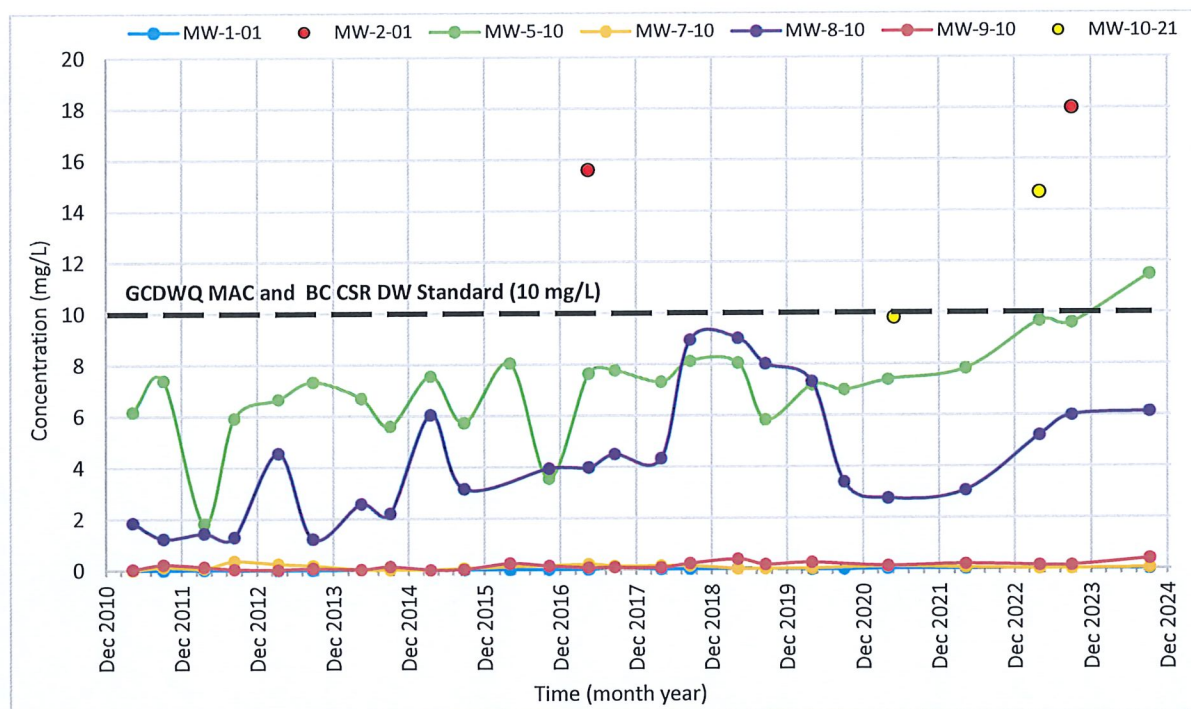
5.3 Nitrate and Nitrite (reported as Nitrogen)

Nitrate and Nitrite (reported as nitrogen) have been sampled for separately since 2019. Prior to 2019, nitrate + nitrite (combined as nitrogen) was sampled for. Data for speciated nitrogen in recent years indicated that nitrite (as N) was observed to be a negligible contributor, with reported concentrations often below the method detection limit (MDL) for the laboratory. Consequently, when we incorporated pre-2019 data into our analysis we made the assumption that the combined nitrite + nitrate (as N) results were comprised completely of nitrate.

Nitrate is of direct concern for its potential effects on human health and the environment. Nitrate concentrations greater than 3.0 mg/L are considered by the Province to reflect human impacts (ENV, 2007), but typically nitrate is not present or only present at low concentrations (i.e. < 0.3 mg/L) in pristine environments. The most common anthropogenic sources of nitrates include agricultural activities, wastewater disposal to ground, and discharge from industrial processes and mining (blast residuals from ammonium-nitrate or other explosives).

The time series plot for nitrate (as N) concentrations at all monitored locations are displayed on Figure 5.3 below.

Figure 5.3 Time Series Plot for Nitrate (as N)



Nitrate concentrations at MW-1-01, MW-7-10 and MW-9-10 are low (< 0.5 mg/L) and stable for the period of record. Similar to sodium and chloride, concentrations of nitrate are elevated and display more variability at monitoring locations MW-5-10 and MW-8-10 (the background well) and in 2024,

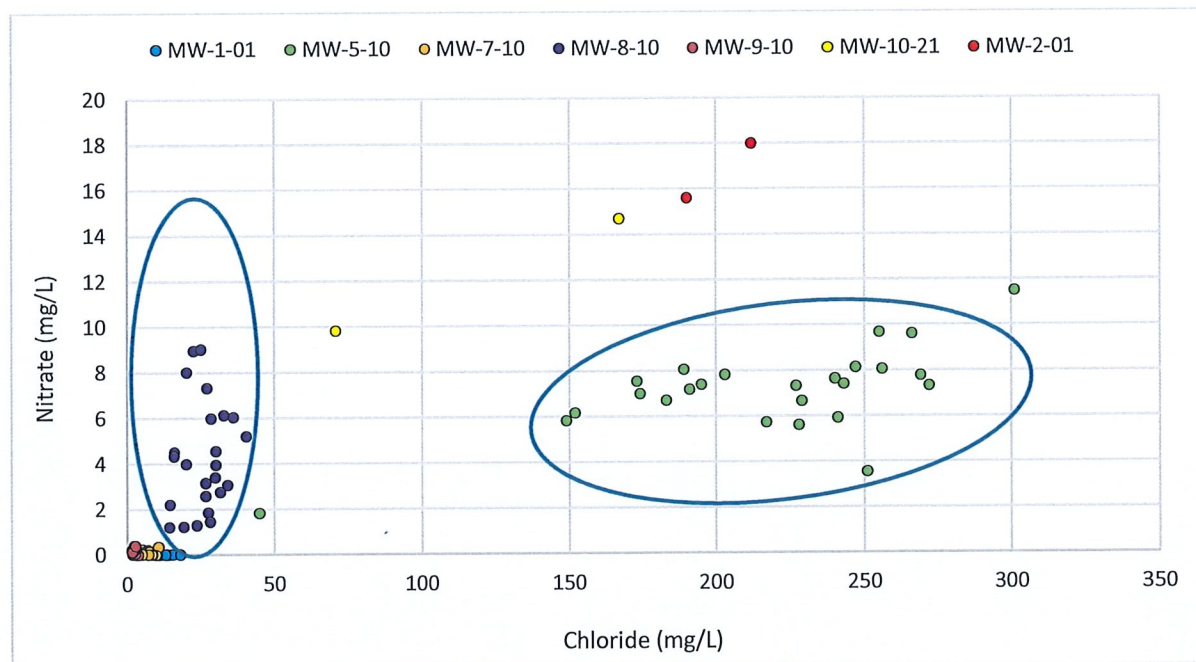
concentrations were above the GCDWQ MAC and BC CSR DW standard at MW-5-10 for the first time on record. Nitrate has been trending upwards at MW-5-10 since 2019.

The 2017 and 2023 sampling of MW-2-01 reported nitrate concentrations above 15 mg/L, well above both guideline and standard. Further, nitrate at MW-10-21 was at and above the guideline/standard during both sampling events in 2021 and 2023 at 9.8 mg/L and 14.7 mg/L. Additional samples from these wells are required to establish a trend.

The nitrate concentration at MW-8-10 displayed an increasing trend until 2019 with concentrations greater than 8.0 mg/L in late 2018 through 2019. In 2021, concentration dropped back down to approximately 3.0 mg/L subsequently increasing to 6.0 mg/L in late 2023 and 2024 (Figure 5.3). As speculated upon previously (WWAL, 2019), the location of MW-8-10 in an upgradient position at the upper end of the golf course suggests that the elevated nitrate concentrations observed in MW-8-10 is not a result of reclaimed water irrigation, but rather some offsite source, potentially historical activities at the nearby former gold mine (i.e. blasting using nitrogen-based explosives, refer to WWAL 2019 for more detail on the history of the former nearby mine) or in the watershed above this location.

The ratio of chloride to nitrate in groundwaters can provide insight into the sources of these parameters and can be an indicator of whether observed impacts are from the same source or from different sources. Figure 5.4 presents a graph of chloride versus nitrate in the five wells that have been frequently monitored.

Figure 5.4 Nitrate versus Chloride Concentrations



MW-1-01, MW-7-10 and MW-9-10 all plot together and have relatively low concentrations of both parameters. Results for MW-8-10 show variations in nitrate concentration while chloride is relatively low

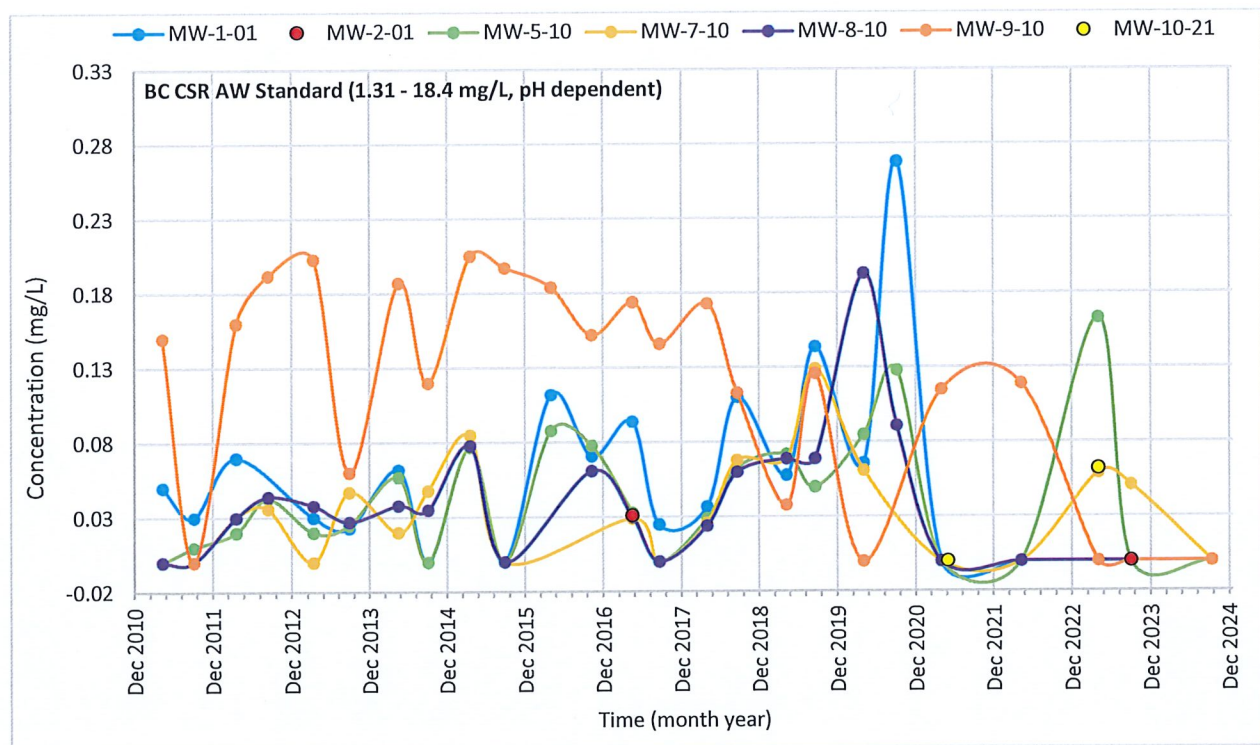
(< 50.0 mg/L) and stable. At MW-5-10, both chloride and nitrate are at much higher concentrations and both vary significantly. This suggests the nitrate concentrations observed at MW-5-10 and MW-8-10 are likely from different sources. The relatively few sample results from MW-2-01 and MW-10-21 plot more similarly to MW-5-10, suggesting the same or similar source of impact.

5.4 Ammonia

Ammonia and nitrite are early forms of nitrogen in the nitrification process. Ammonia is the primary form of nitrogen in raw wastewater but is quickly converted to nitrite and eventually nitrate during wastewater treatment. Nitrite is an unstable form of nitrogen which rapidly oxidizes to nitrate or reduces to nitrogen gas, as such concentrations within the environment are typically present in small quantities, especially in surface waters (ENV, 1998).

When monitoring groundwater for impacts from wastewater disposal to ground, nitrate is the predominant nitrogen species present. When ammonia or nitrite are present in groundwater, it indicates that the source of nitrogen is close by, and that the nitrification process was not completed prior to nitrogen reaching the groundwater table. Similar to nitrate, anthropogenic sources of nitrite and ammonia include wastewater effluent, agriculture and urban development, industrial effluents, and mining (blast residuals). Figure 5.5 displays the time series plot for Ammonia concentrations.

Figure 5.5 Time Series Plot for Ammonia



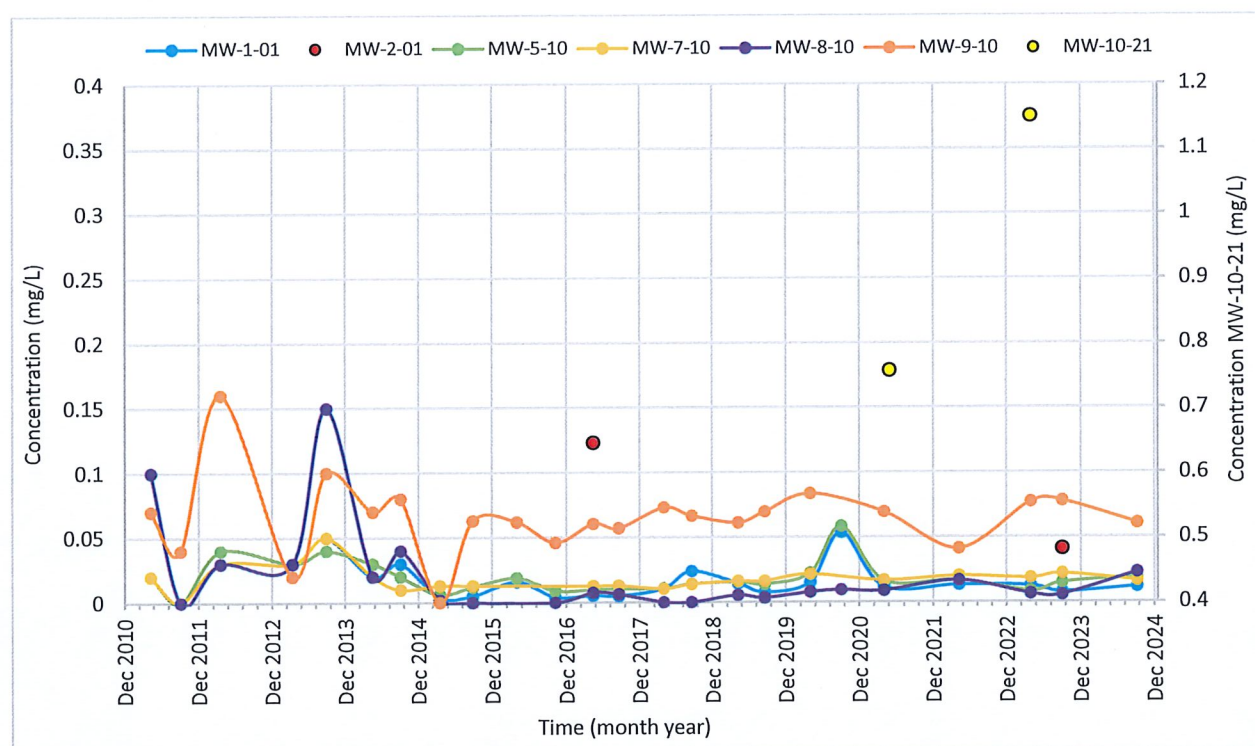
Ammonia concentrations are relatively low, with concentrations less than 0.21 mg/L in at all locations. This concentration range is well below the BC CSR AW standard which can range from 1.3 mg/L to 18.4 mg/L in freshwater environments depending on the pH of the water.

Ammonia was below detection limits at most wells between 2021 and 2024, with detectable concentrations at MW-9-10 in 2021 and 2022, and at MW-5-10, MW-7-10, and MW-10-21 in 2023. There is a slight decreasing trend at MW-9-10 since 2018, but no trends are observed at the other monitored locations.

5.5 Total Dissolved Phosphorous

Potential impact to aquatic life and surface water quality can occur from increased phosphorus loading, even at low concentrations present in wastewater effluent. Inputs of phosphorus to freshwater systems can cause proliferations of algal growth and are one of the prime contributing factors to eutrophication in freshwater systems (ENV, 1998). There are no drinking water or aquatic life guidelines/standard in either BC CSR or GCDWQ for phosphorus. Figure 5.6 displays the total dissolved phosphorous concentrations since 2011.

Figure 5.6 Time Series Plot for Total Dissolved Phosphorous



Dissolved phosphorous concentrations are low (largely below 0.2 mg/L) and most locations are below 0.05 mg/L. In comparison, total phosphorous concentrations in the 2024 reclaimed water quality samples ranged from 4.2 mg/L to 6.5 mg/L. This suggests that phosphorous in reclaimed irrigation water is being

utilized by plant growth or adsorbed to soils in the irrigated areas, and any effect on local groundwater is negligible.

Dissolved phosphorus at MW-10-21 was higher than the other wells at 0.8 mg/L and 1.2 mg/L in the 2021 and 2023 sampling events. These elevated concentrations are likely a result of the reclaimed water being discharged to the upgradient RIB's.

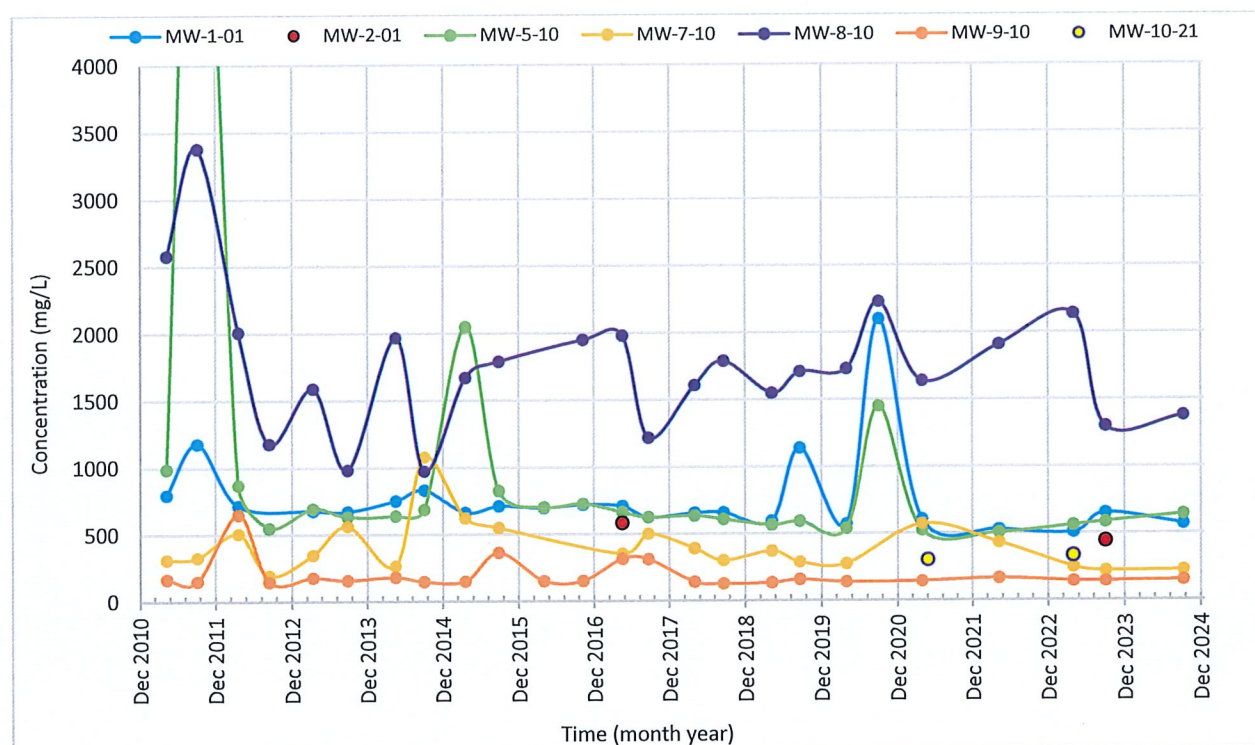
5.6 Hardness

Water hardness is typically due to the presence of calcium and magnesium in the water, although other metal species can contribute to water hardness (ENV, 1998). Sources of water hardness include weathering of bedrock, seepage from soils, and industrial processes such as mining. Hardness is not indicative of wastewater impacts on groundwater, but hardness can shed light on differing hydrologic processes and recharge mechanisms affecting a site.

Groundwater is typically harder than surface waters due to longer residence times within soils and rocks containing appreciable amounts of minerals such as calcite, gypsum, and dolomite (Health Canada, 2025b).

Figure 5.7 displays the time series plot for hardness (reported as CaCO_3) at all monitored locations since 2011.

Figure 5.7 Time Series Plot for Hardness (as CaCO_3)



The groundwater is considered very hard at all sample locations with the lowest levels occurring at MW-9-10 (average of 195.3 mg/L) and highest levels at background well MW-8-10 (2230.0 mg/L) since 2015. Hardness remains relatively stable at monitored locations, with slightly more variability at MW-8-10. The elevated hardness at MW-8-10 is likely due to this well being completed into the underlying bedrock and influenced by groundwater in a bedrock aquifer, which typically has higher mineral content. This well does not get the dilution afforded the other wells located lower down into the valley bottom in Aquifer 193, so parent rock-groundwater interaction can be more pronounced in this well.

6. CONCLUSIONS

Based on this assessment, and building on our previous assessment, we provide the following conclusions:

- C1.** The water table elevation at all of the monitoring wells has largely been stable over the period of record, with no long-term rising or falling trends of note. The magnitude and timing of seasonal water level fluctuations in the wells does vary however, suggesting different recharge sources and effects are occurring. Annual fluctuations at the majority of the downgradient monitoring wells is on the order of 0.5 m to 1 m, while annual water level fluctuations are more variable at well MW-8-10 with a range of 1 m to 2 m. This is likely attributed to nearby natural draws contributing to groundwater recharge (either seasonally during freshet or episodically following storm events) in this intended upgradient well. After 2017, water level fluctuations at MW-1-01 and, to a lesser extent MW-2-01 increased to 1 to 2 meters annually. This increased variability at MW-1-01 coincides with the installation and use of the standpipe for supply system flushing at the beginning and end of the irrigation season.
- C2.** Based on 2020 to 2024 groundwater elevations, the direction of groundwater flow beneath the site remains eastwards towards Osoyoos Lake. Variations from this direction of groundwater flow may occur locally where the slope of the silty clay surface that underlies the shallow aquifer being monitored changes.
- C3.** Based on water quality data collected throughout the period of record (2011-2024), low concentrations of parameters indicative of wastewater impact to groundwater exist at MW-1-01, MW-7-10 and MW-9-10. MW-5-10 displays higher concentrations of chloride, sodium and nitrate, and higher variability in concentrations and is considered the most impacted well monitored. When considered together and compared to other monitoring wells the results are anomalous and indicate a possible unknown source for these parameters other than reclaimed wastewater irrigation. The area upslope (west) of MW-5-10 is interpreted to be comprised of shallow soils over bedrock, whereas other portions of the golf course overlie thicker sediments. It is possible that the application of chemical fertilizers to the golf course, if that occurs, may contain nitrogen and chloride and that this application is affecting water quality at MW-5-10 more than at other monitoring locations.
- C4.** Water quality has only been sampled twice at MW-2-01 and MW-10-21; therefore, no trends can be established at either location at this time. Both MW-10-21 and MW-2-01 display higher levels of sodium, nitrate, and chloride relative to downgradient wells MW-1-01, MW-7-10 and MW-9-

10. MW-2-01 is directly downgradient of the Desert Park Equine Event and Training Facility and irrigation occurs on their infields. MW-10-21 also shows elevated levels of total dissolved phosphorus and nitrate, which exceeded the BC CSR DW and GCDWQ MAC for both 2021 and 2023 sampling events. MW-10-21 is located directly downgradient of the wastewater RIB's which is inferred to be the cause of the elevated concentrations wastewater indicator parameters.

- C5.** Based on data collected in the 2023 and 2024 monitoring years, the following exceedances of relevant water quality guidelines are noted:

Parameter	Dates of Exceedances by Location		
	MW-2-01	MW-5-10	MW-10-21
Chloride (BC CSR DW and GCDWQ AO - both 250 mg/L)		May-23, Sep-23, Sep-24	
Nitrate (as N) (BC CSR DW and GCDWQ MAC - both 10 mg/L)	Sep-23	Sep-24	May-23

- C6.** Background well MW-8-10 also displays higher concentrations and variability in parameters indicative of wastewater impacts. However, its upgradient position from the reclaimed water irrigated lands suggests an off-site source for these constituents (possibly historic mining activities at allocation upslope). Replacement background well MW-12-23 did not have measurable water until April 2024, and there was too little water to sample during the September 2024 sampling event (only sampling event in 2024).

7. RECOMMENDATIONS

Based on conclusions for the period of record (2011-2024 data), we make the following recommendations. Note that some recommendations are carried forward from previous reports where deemed still relevant (WWAL, 2019).

- R1.** WWAL recommends continued monitoring of water levels monthly and bi-annual sampling at all ten wells currently being monitored and at the same frequency and schedule. Only two water quality samples have been collected to date from MW-2-01 and MW-10-21, and no water samples have been collected from MW-6-10, MW-11-21 and MW-12-23. If there is measurable water in any of these wells, we recommend consideration be given to future sampling of these wells using low flow sampling techniques (peristaltic or bladder pump, or bailer), as an insufficient water column for sampling with a submersible pump has been reported in the past.
- R2.** The parameters sampled for in reclaimed water prior to irrigation should be expanded to allow for better interpretation of impacts observed in the monitoring wells. Monthly reclaimed water samples should include the following (the first three are currently being sampled for and are required by the OC):

- Fecal Coliforms
- Total Nitrogen
- Total Phosphorous
- Nitrate (as N)
- Nitrite (as N)
- Ammonia (as N)
- Chloride
- Sodium
- Hardness.

- R3.** Incorporate appropriate QA/QC sampling into the groundwater monitoring program as required by the operational certificate (OC). QA/QC sampling should be completed following the methods outlined in the BC Field Sampling Manual (ENV, 2013). In accordance with the OC, ten percent of samples collected should include a blind field duplicate from the monitoring wells during each sampling event.
- R4.** A detailed review of historical land use in the vicinity of MW-5-10 should be completed, including a review of historical aerial photos, collecting information on golf course fertilizer application and interviews with people knowledgeable about the history and development of the area. For the time being, MW-5-10 should continue to be monitored.
- R5.** Good records of the timing and volumes of wastewater discharged to the RIBs should be kept to allow for better interpretation of water level and water quality data in MW-10-21.
- R6.** We recommend assessing the pH for monitoring well samples to determine applicable ammonia guideline criteria and to assess exceedances of BC CSR AW exceedances for ammonia in the future.

8. CLOSURE

We trust that the professional opinions and advice presented in this document are sufficient for your needs. Please note that there are restrictions and limitations that apply to the scope of our services and conclusions provided herein, as outlined on the Standard Report Limitations page. Should you have any questions, or if we can be of further assistance in this matter, please contact the undersigned.

WESTERN WATER ASSOCIATES LTD.



Morgan Jackson, GIT
Environmental Geoscientist

Reviewed By:



Ryan Rhodes, P.Geo.
Senior Hydrogeologist



27 June - 2025

Attachments:

- Figure 1
- Well logs for monitoring wells completed in 2021 and 2023

9. REFERENCES

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Western Water Associates Ltd.

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Figure 1: Location of Osoyoos WWTP and Monitoring Wells

Date: May 2025

Image Source: Google Earth (2025)

WWAL Project: 19-013-04VR

Drawn by: MJ

Checked by: RR

Client: Town of Osoyoos and TRUE

western water
ASSOCIATES LTD
Consultants in Hydrogeology and Water Resources Management

MONITORING WELL ID: MW10-21

DATE DRILLED: May 3, 2021

PROJECT: Osoyoos Monitoring Well Installation

SITE LOCATION: Osoyoos, B.C.

CLIENT: Town of Osoyoos

PROJECT NUMBER: 19-013-03VR

DEPTH (ft)	SYMBOL	DESCRIPTION	WELL CONSTRUCTION	WELL COMPLETION DETAILS
ft m				
0 0		Ground Surface		Well stick-up 0.76 m above ground surface (ags)
2		SAND with GRAVEL, medium to coarse grained sand, rounded small to large gravel, loose, poorly sorted moist, brown.		0.76 m ags - 6.2 m below ground surface (bgs) Blank 2 inch diameter PVC with J-plug cap. Above ground lockable monument casing, cemented in place
4				0.6 m ags - 0.46 m bgs 10-20 Filter sand
6 2				0.46 m - 5.5 m bgs Surface seal, Enviroplug medium bentonite chips
8				Water level 5.26 m below top of casing (btoc) (May 3, 2021)
10				5.5 m - 7.7 m bgs 10-20 Filter sand
12				6.2 m - 7.7 m bgs 2 inch diameter 10 slot PVC screen 1.5 m (5 ft) length with bottom cap
14 4				Total Well Depth 8.46 m (27.8 ft) btoc
16				
18				
20 6				
22				
24		SILT with clay, soft, sticky, grey. Minor mottling.		
26 8				
28				
30				
32 10				

COORDINATES: 11 U 318825.0 m E 5431682.0 m N

ELEVATION: 317 m asl

STATIC WATER LEVEL: 5.26 m btoc

DRILLING CONTRACTOR: Mud Bay Drilling Ltd.

TOTAL DEPTH: 8.46 m btoc

DRILLING METHOD: Sonic

Drawn By: MJ

Reviewed By: RR

Logged By: MJ

MONITORING WELL ID: MW11-21

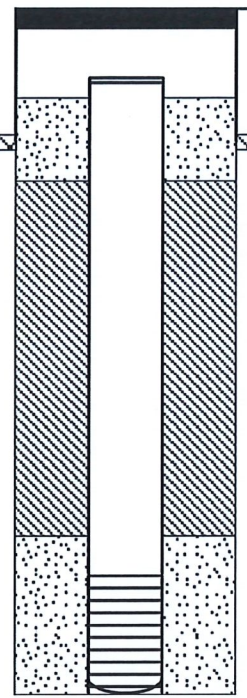
DATE DRILLED: May 4, 2021

PROJECT: Osoyoos Monitoring Well Installation

SITE LOCATION: Osoyoos, B.C.

CLIENT: Town of Osoyoos

PROJECT NUMBER: 19-013-03VR

DEPTH (ft)	SYMBOL	DESCRIPTION	WELL CONSTRUCTION	WELL COMPLETION DETAILS
ft m				Well stick-up 0.83 m above ground surface (ags)
0 0		Ground Surface		0.83 m ags - 5.8 m below ground surface (bgs) Blank 2 inch diameter PVC with J-plug cap. Above ground lockable monment case, cemented in place
2 2		SAND with GRAVEL, medium and fine grained sand, small to large rounded to sub-rounded gravel, loose, poorly sorted, dry, brown.		0.6 m ags - 0.46 m bgs 10-20 Filter sand
4 4		SAND, fine grained with some medium grained sand, loose, dry, brown. minor mottling.		0.46 m - 5.2 m bgs Surface seal, Enviroplug medium bentonite chips
6 6		SAND with GRAVEL, medium and fine with some coarse grained sand, small to large rounded to sub-rounded gravel, loose, poorly sorted, dry, brown.		5.2 m - 7.3 m bgs 10-20 Filter sand pack around well screen
8 8		SILT, soft, sticky, grey and brown.		5.8 m - 7.3 m bgs 2 inch diameter 10 slot PVC screen 1.5 m (5 ft) length with bottom cap
10 10		SILT, with some CLAY seams, soft, well sorted, slightly moist, grey. Clay seams hard, dry, approx. 0.5 cm to 2 cm in thickness.		Total Well Depth 8.13 m (26.7 ft) below top of casing (btoc)
12 12				
14 14				
16 16				

COORDINATES: 11 U 318654.9 m E 5432590.2 m N

ELEVATION: 322 m asl

STATIC WATER LEVEL: Dry

DRILLING CONTRACTOR: Mud Bay Drilling Ltd.

TOTAL DEPTH: 8.16 m btoc

DRILLING METHOD: Sonic

Drawn By: MJ

Reviewed By: RR

Logged By: MJ

MONITORING WELL LOG MW12-23

SHEET 1 of 1

MONITORING WELL ID: MW12-23

DATE DRILLED: March 14, 2023

PROJECT: Osoyoos Monitoring Well Installation

SITE LOCATION: Osoyoos, B.C.

CLIENT: Town of Osoyoos

PROJECT NUMBER: 19-013-03VR

DEPTH (ft)	SYMBOL	DESCRIPTION	WELL CONSTRUCTION	WELL COMPLETION DETAILS
ft m				Well stick-up 0.1 m below ground surface (bgs)
0 0		Ground Surface		0.1 m - 4.0 m bgs Blank 2 inch diameter PVC with J-plug cap. Flushmount road box, cemented in place
2		SAND and GRAVEL, medium and fine grained sand, small to large sub-rounded to sub- angular gravel, compact with depth, poorly sorted, dry, brown.		0.2 m - 0.3 m bgs 10-20 Filter sand
4		Thin (approx. 2 inches) silt or fine sand layer just above 2.4 m Boulder at 2.4 m.		0.3 m - 1.1 m bgs Surface seal, Puregold medium bentonite chips
6 2				1.1 m - 2.6 m bgs Natural slough
8		GRAVEL with SAND, small to large sub-rounded to sub- angular gravel, medium and coarse grained sand, poor sort, dry, brown.		2.6 m - 3.5 m bgs Bentonite chips
10				
12				
14 4		SILT, trace gravel, small and medium rounded gravel, loose, poorly sorted, dry, brown. Moist at 4 m		3.5 m - 6.1 m bgs 10-20 Filter sand pack around well screen
16		COBBLES and BOULDERS		4.0 m - 6.1 m bgs 2 inch diameter 10 slot PVC screen 2.1 m (7 ft) length with bottom cap
18		BEDROCK, competent, grey, dry.		Total Well Depth 6.1 m (20 ft) bgs
20 6				
22				
24				
26 8				
28				

COORDINATES: 11 U 317617.6 m E 5433126.1 m N

ELEVATION: 383 m asl

STATIC WATER LEVEL: Dry

DRILLING CONTRACTOR: Valley Wide Drilling Ltd.

TOTAL DEPTH: 6.1 m btoc

DRILLING METHOD: ODEX

Drawn By: MJ

Reviewed By: RR

Logged By: MJ



Groundwater Supply Development and Management

Source Water Assessment and Protection

Well Monitoring & Maintenance

Environmental & Water Quality Monitoring

Storm & Wastewater Disposal to Ground

Groundwater Modeling

Aquifer Test Design and Analysis

Geothermal / Geoexchange Systems

Policy and Guideline Development

Applied Research

Rural Subdivision Services

Environmental Assessment & Permitting

Contaminated Sites