Edison Subarea Advisory Board
September 25, 2025 Meeting Packet

Edison Advisory Board Meeting Minutes

Date: Wednesday, August 27, 2025
Time: 5:00 – 6:00 pm
Location: Edison Elementary School

1. Call to Order

The meeting was called to order at 5:01 pm, Wednesday, August 27, 2025 by the EAB Chair, Bernie Alonzo

2. Roll Call /Attendance

Allen Rozema, Lavelle Pilon, Bernie Alonzo, Tom Skinner, Scott Mangold, Darryl Kvistad, Jess Hackler, Mike Tamman, Don Erickson

3. Public Comment

There was no public in attendance

4. Approval of Agenda

Approval of Agenda: Moved by Bernie, second Tom. All in favor.

5. Approval of Minutes

Approval of Minutes: Moved by Tom, second Darryl. All in favor.

6. Reports

Administrative Report

Bernie highlighted a few items in process to complete the assessments, namely the Edison Inn water use and some inaccuracies Lavelle discovered and has corrected. See maintenance report below for more detail regarding the Edison Inn's water use.

Bernie will send second letters to the (4) four sites that require tank pumping. Due to an issue with the address and parcel service tracking sheet used to record the tanks requiring pumping, the first letter was sent to the wrong Chamberlain property. A first letter will be sent to the Chamberlains regarding the septic tank connected to the Edison system on parcel P48536 (14096 Gilmore Avenue).

Bernie also noted an overall goal for the Board to tighten up loose ends, get processes in order and administration streamlined. Bernie stated that his goal for the Edison Advisory Board is to work with County staff to standardize the routine administrative aspects of the system so that the EAB can focus on visioning and planning, plan for orderly board

succession, turn our attention to the future of the system, and begin earnestly planning for the future. Immediate examples noted were establishing a rate structure that did not need annual reworking, communicate about and document sites in the same way (parcel # vs. addresses vs. owners current or historic), solidify our policies and County code to read and function effectively and represent how we are operating or wish to operate to support the future of the system.

Special Projects Report

G&O anticipate completing the required pre-design report by next board meeting 9/25/25. Don sent photos of the UV mounts and system setup to G&O. They think they may be able to expand the UV capacity and use the same channels that exist with more and/or larger UV bulbs. If this is possible there is inherent cost savings and potential time/permitting relief. A cost savings in the construction will result in a reduced reliance on grant funds. Unexpended grant funds may not be used for any Edison system purpose outside of the original grant application. The Dept. of Health Grant supplemental application to fill an anticipated design and implementation grant short fall is progressing. G&O have provided 3 invoices. The first 2 with time costs only and little detail. More detail was requested and provided on Invoice #3.

Finance Report – County Liaison Report

Lavelle walked us through the financials, explaining the County launched a new system, Cayenta, and things look slightly different on the page than previously. Noted a large pumping invoice from the plant main tanks pump job over 2 days - $10k+. This service was expected as part of the maintenance cycle of the system. The invoice for the service will be processed for payment.

It was discussed that the financial report and Liaison reports could be presented at the same point in the meeting. Lavelle also noted that the County will need an updated or possibly new Long Range Capital Facilities Plan. Scott said we have done them in the past, Greg Young had submitted, and we should just be able to update.

Operator Report

Don reports that all numbers looked good this month.

Ecology has not initiated the permit renewal cycle.

Don requested that Mike's team begin getting pump run time/cycle number from the school pumps as another data point that may be important to evaluate effluent volume variance entering and leaving the plant.

There is a lag on return data from Eurofins, which hasn't become an issue for meeting monthly reporting deadlines to Ecology, but would be an issue if, say, the fecal was high and it took 2 weeks to get the data and address the issue. Not ideal – a delay that spanned from one reporting cycle to the next would not leave time for retesting and could show the system operating outside of the allowed discharge limits. Hoping this is just growing pains with the merger of Edge and Eurofins that will sort out over time. Don will remain attentive to the timing of Eurofins testing and results.

Don also mentioned that there are little to-do's and needs around the plant. Scott asked if he would compile a list so that the Board could be planning to address these needs.

Maintenance Report

Reviewing the rates at the July meeting showed inconsistent water use data for the Edison Inn. The issue is that the wrong meter was being read for the Edison Inn. The labeling of the meters is now indisputably clear.

Main tank pumping was a big job that went well and was good to complete prior to school starting. The pumping was coordinated with the UV bulb change for efficiency.

There have been a lot of utility locates prior to dgging due to the water main work on West Bow Hill Road from Chuckanut Drive to Smith Road. As-built drawings of the Smith Road & Bow Hill Road corner don't match what's in the ground. Difficult and time consuming issue being sorted out with Mike Tammen, The Drain Doctor, and Blanchard Water rep. Dave Loman's input.

Mike brought up that he does keep a small inventory of pumps and other replacement parts that are helpful to affect quick and urgent repair needs. When one item is used, he gets a replacement.

Next week the Drain Dr. will complete a lot of work in town. Quarterly sampling and other tasks.

A short discussion occurred during the Maint. and Operation reports regarding a page of the pump cycle report for plant, school and STEP sites that Scott maintains. The first page shows the start of an inventory list of our capital equipment. This is currently only the pumps. The sheet has not been kept up to date. Don mentioned that he has been keeping his own list of these items (or updating this list on his own). The Board should consolidate this information into a document that is kept up to date and accessible.

7. Unfinished Business

Bernie resumed the Policy discussion noting that the letter he has written to the parcel owners with tanks identified as needing pumping is not supported by Policy 20-17. The policy needs to be amended to reflect the change from annual billing for maintenance pumping when not completed by the homeowner to billing directly by the septic pumping service provider at the time of service. This identified another example of why the Board needs to do the work of consolidating our policies and code to agree with how we operate.

Bernie requested that we decide on a uniform way of identifying and discussing individual users. By parcel #, by Address, by site #. Mike needs to use site numbers from the initial construction of the system for quick reference purposes in directing maintenance/repair. Bernie will work with Lavelle to get current parcel ownership records with addresses and will add the site numbers to this list for the Drain Doctor to use to track system maintenance activities associated with individual customers.

The newsletter was approved to be sent out as written. Moved Bernie/2nd Tom, all favor. Lavelle will use County resources to print and mail.

8. New Business

Future connections were discussed. Future connection "shares" were created when the Edison system was created. Prior records indicated the specific and limited ownership of the future connection shares. Bernie reviewed the sewer sites and future connections as part of the annual assessment update. In comparison with recent assessor's records, Bernie observed a discrepancy between how many remain based on historic records versus what is currently being shown in the county assessor's records. The Moga property is being charged by the assessor for 4 future connections when they are believed to only have one (maybe 2). Likely an issue of the property being subdivided. Shares are limited and do not multiply with property subdivisions. They need to be refunded for any years they paid for more shares than they own.

This issue highlighted another Policy/systems topic, in that we do not have any detail in Policy or Code regarding transferability of Future Connections, nor any method of tracking new or existent transfers other than memory and word of mouth. The Board was able to identify most of the futures. Question about the Slind/Dubois/Nukolls/Kerr situation and Moga as noted. Bernie notes that ideally the Board could return to this issue as an action item for the next meeting to solve how we would like to manage and track future connections.

Bernie hopes to have the Board, via the rates subcommittee, seek methods to have our rates be maintained for a longer duration than 1 year. Ideally establish a formula that

allows us rate cycles of 3-5 years. The method of determining commercial rates will be over longer periods will be a challenge. Lavelle mentioned that we do not have strong data to use as a 'look back' to estimate what our future operational costs will be as there have been recent and are coming changes to how we operate that will be difficult to project: potential vendor changes, new contracts, permit required field sampling, unknown new permit requirements, etc.

Last, it might be wise for the Board to reschedule new business to come earlier in the meeting duration. We never seem to have time to meaningfully address new business.

9. Announcements

The next ESAB meeting will be held at the Teacher / Staff Room of the Edison Elementary School at 5:00 pm, **THURSDAY**, September 25, 2025

10. Adjournment

Motion to adjourn at 6:52 pm. Moved: Bernie, second: Scott, approved: all. Meeting ends.

Reports

Administrative Report

Special Projects: UV Treatment System Upgrade

INTRODUCTION

This Edison Wastewater Treatment Facility (WWTF) Ultraviolet (UV) Disinfection System Design Report was developed for the Skagit County Edison Clean Water District to present design criteria and a preliminary design for replacement of the existing UV disinfection system at the WWTF. The replacement of the UV disinfection system was recommended in *Skagit County Edison Clean Water District Wastewater Capacity Plan* (*Capacity Plan*) (Gray & Osborne, Inc., January 2024). This report summarizes current UV disinfection system design criteria and existing facilities, and provides design criteria, preliminary cost estimates and a project schedule for the recommended improvements.

EXISTING FACILITIES

The District installed a small diameter combination gravity and pressure STEP (septic tank effluent pump) collection system and wastewater treatment facility in 1997. The collection system conveys septic tank effluent from homes, restaurants and other commercial facilities to the treatment facility, serving approximately seventy-four connections, including six food service establishments (FSEs) and one school (without cooking cafeteria). There are no industrial users connected to the system. There are eleven stubs remaining for future connections. The system's only lift station pumps wastewater from the central and south tributary areas. The north tributary area is served by the north STEP system and the flow is conveyed to the lift station discharge force main. The combined flow including flow from Edison school is sent to the wastewater treatment facility.

The treatment process begins in the individual septic tanks, and then continues in a recirculating gravel filter, and UV disinfection prior to disposal to drainfields.

Most of the individual septic tanks are 1,000-gallon fiberglass-reinforced plastic (FRP) tanks that provide primary sedimentation, floating solids removal, oil and grease removal, anaerobic decomposition of solids, and physical filtration of non-settleable particles. Septic tanks remove a majority of the Biochemical Oxygen Demand (BOD_5) and Total Suspended Solids (TSS) from the wastewater prior to conveyance through the collection system. The septic tanks serve as sedimentation tanks and prevent solid material from being pumped to the WWTF which could ultimately plug the filters. Solids accumulate in the tanks over time and are hauled by a contractor to the Burlington WWTF. In addition, septage from the residents not connected to the collection system is also hauled by a contractor to the Burlington WWTF.

The restaurants and other FSEs have 1,500-gallon FRP septic tanks. All restaurants have grease traps installed to remove fats, oil and grease (FOG) prior to being introduced into the collection system.

The recirculating gravel filtration system further removes TSS, BOD, and some ammonia and nitrogen, using physical, chemical, and biological processes. The filtration system has four zones, two for each of the two gravel filters. Four recirculation chamber pumps deliver wastewater to each of the four quadrants of the recirculating gravel filters. The pumps are operated sequentially to rotate bed dosing. Wastewater passes through the filters and recollects in the recirculation tanks on average five times before flowing from the gravel filters through the main settling tank, to a smaller secondary settling tank, and finally through the UV disinfection system and out to the disposal fields. The recirculation tank is cleaned about every 2 years and the settled solids are hauled off to the Burlington WWTF.

The existing Trojan UV system sits in a stainless steel channel, cast into a concrete structure, and consists of three modules in parallel with two lamps per module. According to the Record Drawings for the installation, the existing UV disinfection system is a Trojan Model No. UV 3075K-PTP with a capacity of 75,000 gallons per day (gpd). The design transmittance and effluent fecal coliform levels, for which the existing system would be designed, are unknown.

DESIGN CRITERIA FOR PROPOSED UV DISINFECTION SYSTEM REPLACEMENT

The design of UV Disinfection Systems is a function of three primary parameters. These are (1) wastewater flows, (2) effluent UV transmittance, and (3) regulatory pathogen (fecal coliform) effluent limits or pathogen reduction requirements . The following presents the development of these parameters for the Edison WWTF.

Wastewater Flows

The *Capacity Plan* Presented design flows for the Edison WWTF based on data collected during the period from March 2020 through December 2022.

Table 1

2022 WWTF Influent Flows

	Average Dry Weather Flow[1]	Annual Average Flow (AAF)	Maximum Monthly Flow (MMF)	Peak Day Flow (PDF)	Peak Hour Flow[2] (PHF)
WWTF Influent (gpd)	5,539	6,611	9,177	28,080	36,504
I/I[3] (gpd)	-	1,072	3,637	22,541	30,965
I/I percent	-	16%	40%	80%	85%

(1) Average of July, August, September.
(2) PHF = 1.3*PDF.
(3) I/I = flow – average dry weather flow.

Since much of the flow to the WWTF includes infiltration / inflow (I/I), the *Capacity Plan* recommended that I/I reduction measures should be undertaken before any improvements to the WWTF take place. In May 2024, some of these measures were completed. A major improvement was to grout and seal the lift station wet well wall and floor. Other improvements included eliminating inflow sources at some of the individual service connections.

As a part of this project, WWTF records for the 5-year period from March 2020 through December 2024 were reviewed and analyzed to determine current wastewater characteristics and influent loadings to determine whether the I/I reduction measures have an effect on the influent wastewater characteristics.

Wastewater Flows

Table 2 summarizes reported WWTF flows for the 5-year period of 2020 through 2024. The average dry weather flow was relatively stable over that period. The peak day flow (PDF) typically occurs between December and March. The comparison of plant influent and rainfall in Figure 1 shows that wastewater flow is strongly influenced by rainfall. The peak day flow of 30,228 gpd occurred during a major storm event on November 16, 2021.

TABLE 2

Historical WWTF Influent Flows (2020 to 2024)

Year	Average Dry Weather Flow (gpd)(1)	Annual Average Flow (gpd)	Maximum Monthly Flow (gpd)	Peak Day Flow (gpd)	Peak Hour Flow (gpd)(2)	Annual Rainfall (in.)
2020	5,421	5,543	6,774	17,292	22,727	35.9
2021	5,703	6,752	10,180	30,228	39,296	54.4
2022	5,539	6,611	9,177	28,080	36,504	39.7
2023	5,798	6,254	6,869	14,472	25,641	36.3
2024	5,296	6,298	7,512	14,724	25,824	56.1
Average	5,552	6,292	8,102	20,959	29,998	44.5
Maximum	5,798	6,752	10,180	30,228	39,296	56.1

(1) Average of July, August, September.
(2) Not measured. Estimated using the higher of (1) PHF = 1.3*PDF and (2) PHF= AAF (18+√P))/((4+√P)).

Without hourly flow records available to measure peak hour flows (PHF), the higher of the following values was used

(1) 1.3 multiplied by the PDF(1.3 being a typical observed PHF/PDF peaking factor)

(2) A population-based peaking factor multiplied by the annual average flow (the peak hour flow to annual average flow peaking factor as provided in the *2023 Department of Ecology Criteria for Sewage Works Design (Orange Book):*

$$PF = \frac{(18 + \sqrt{P})}{(4 + \sqrt{P})}$$

where P is the population in thousands.

TABLE 3

WWTF Influent Flow Historical Peaking Factors (2020 to 2024)

Flow Type[1]	2020	2021	2022	2023	2024
Average Dry Weather Flow	1.0	1.0	1.0	1.0	1.0
Annual Average Flow	1.0	1.2	1.2	1.1	1.2
Maximum Monthly Flow	1.2	1.8	1.7	1.2	1.4
Peak Day Flow	3.2	5.3	5.1	2.5	2.8
Peak Hour Flow[2]	4.1	6.9	6.6	3.2	3.6

(1) Peak Factors are based on average dry weather flow.
(2) Peak hour factors assume PHF = 1.3*PDF.

Monthly discharge monitoring reports (DMR) data for this period are provided in Appendix C and summarized in Table 4. Flows are measured every day while BOD and TSS concentrations are measured, and loadings calculated, once every month.

Graphical representations of maximum and average monthly WWTF flows for the period from March 2020 through December 2024 are shown in Figures 2 and 3. As shown in Figure 3, the daily permit limit of 24,000 gpd was exceeded several times during the 2021/2022 winter season.

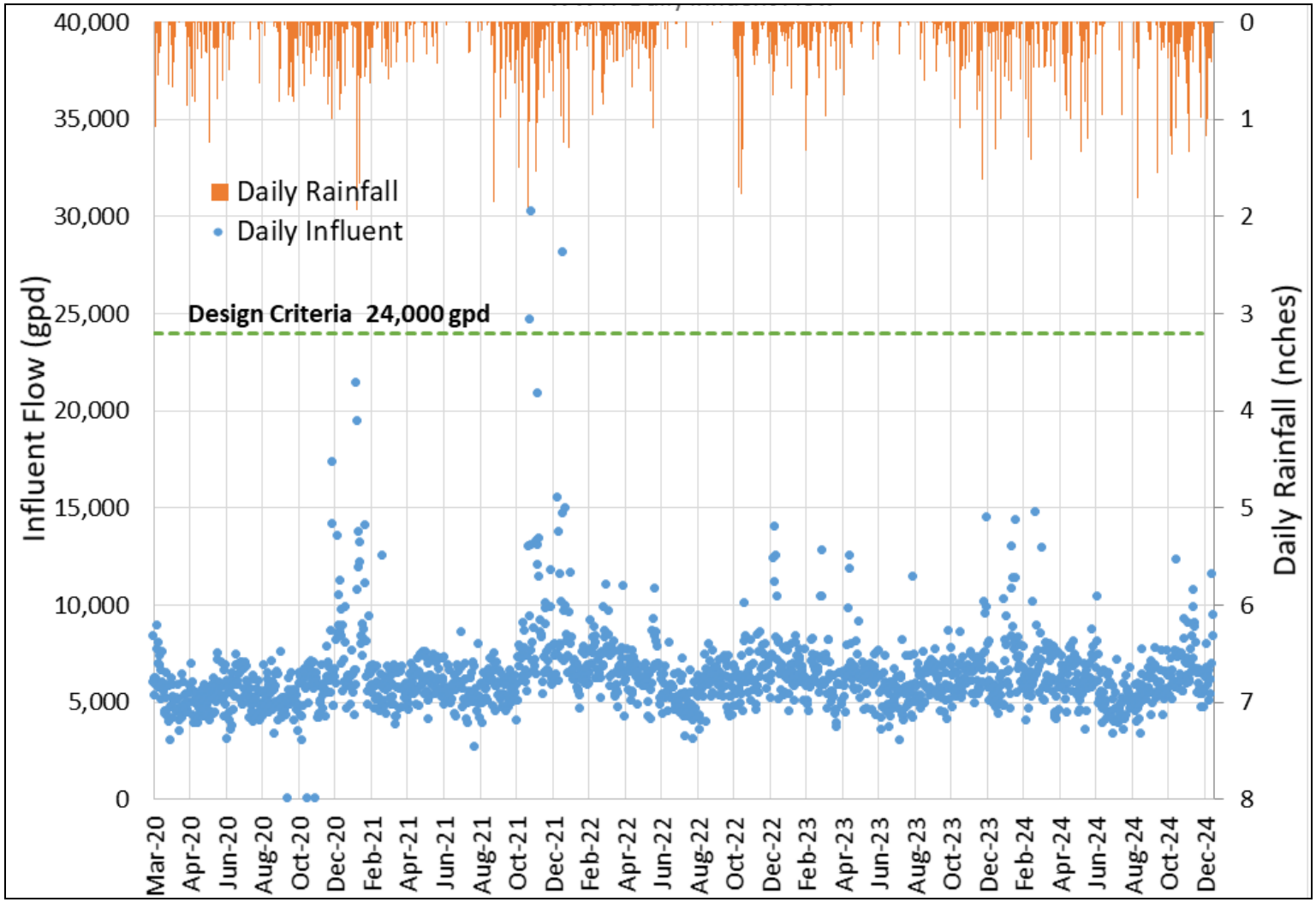


FIGURE 1

WWTF Daily Influent Flow

TABLE 4

Summary of Discharge Monitoring Reports (DMRs) WWTF Influent and Effluent Monthly Averages

	Influent						Effluent					
Year	Avg. Monthly Flow (gpd)	Max. Daily Flow (gpd)	BOD_5 (mg/L)	BOD_5 (lb/d)	TSS (mg/L)	TSS (lb/d)	Avg. Monthly Flow (gpd)	Max. Daily Flow (gpd)	BOD_5 (mg/L)	BOD_5 (lb/d)	TSS (mg/L)	TSS (lb/d)
Mar-20	5,906	8,892	21	1.70	8	0.60	5,150	8,240	3	0.13	22	0.94
Apr-20	4,913	6,396	13	1.00	18	1.40	4,043	4,910	2	0.07	8	0.27
May-20	5,055	6,960	8	0.60	16	1.30	4,358	5,600	3	0.11	6	0.22
Jun-20	5,556	7,452	16	1.30	44	3.50	4,785	6,010	2	0.08	12	0.48
Jul-20	5,690	7,428	15	0.75	14	0.70	4,639	6,010	4	0.15	6	0.23
Aug-20	5,197	6,888	6	0.30	13	0.66	4,354	5,620	1	0.04	6	0.22
Sep-20	5,377	7,524	8	0.30	12	0.47	4,934	7,490	2	0.08	4	0.16
Oct-20	5,068	6,490	25	1.10	21	0.90	4,952	9,860	2	0.08	5	0.21
Nov-20	5,896	7,104	61	3.17	39	1.88	5,042	11,030	5	0.21	6	0.25
Dec-20	6,774	17,292	15	0.69	8	0.37	6,450	16,760	3	0.16	5	0.27
Jan-21	7,068	11,184	16	0.95	29	1.70	6,354	17,020	6	0.32	4	0.21
Feb-21	9,393	21,396	20	1.40	11	0.77	8,685	19,640	3	0.22	2	0.14
Mar-21	5,869	12,492	20	0.85	12	0.51	5,268	9,600	3	0.13	3	0.13
Apr-21	5,473	6,900	15	0.71	28	1.32	4,730	6,420	4	0.16	3	0.12
May-21	6,081	7,542	29	1.30	50	2.30	5,194	6,400	4	0.17	8	0.35
Jun-21	6,125	7,392	19	0.97	90	4.60	4,911	5,980	4	0.16	15	0.61
Jul-21	5,819	8,532	6	0.29	16	0.79	4,525	5,380	3	0.11	7	0.26
Aug-21	5,313	7,944	26	1.30	17	0.90	4,858	5,740	5	0.18	2	0.08
Sep-21	5,977	7,452	23	1.20	15	0.79	5,568	7,510	5	0.23	3	0.14
Oct-21	5,748	7,872	23	1.10	13	0.60	5,615	7,700	2	0.09	20	0.94
Nov-21	10,180	30,228	32	1.92	10	0.60	9,479	36,869	2	0.16	3	0.24
Dec-21	7,94	15,456	19	0.95	12	0.60	7,917	18,830	6	0.40	4	0.26
Jan-22	9,177	28,080	48	2.84	23	1.52	8,478	26,250	4	0.28	5	0.35
Feb-22	6,647	9,180	14	0.77	9	0.50	5,312	8,000	2	0.09	4	0.18
Mar-22	7,516	11,004	12	0.72	6	0.36	6,106	9,020	2	0.10	3	0.15

TABLE 4 – (continued)

Summary of Discharge Monitoring Reports (DMRs) WWTF Influent and Effluent Monthly Averages

	Influent						Effluent					
Year	Avg. Monthly Flow (gpd)	Max. Daily Flow (gpd)	BOD_5 (mg/L)	BOD_5 (lb/d)	TSS (mg/L)	TSS (lb/d)	Avg. Monthly Flow (gpd)	Max. Daily Flow (gpd)	BOD_5 (mg/L)	BOD_5 (lb/d)	TSS (mg/L)	TSS (lb/d)
Apr-22	6,593	10,944	16	0.70	13	0.57	5,274	7,970	3	0.13	3	0.13
May-22	6,150	7,608	18	0.81	44	1.97	6,357	10,360	6	0.32	11	0.58
Jun-22	6,593	10,836	25	1.38	30	1.59	5,734	10,370	5	0.24	7	0.35
Jul-22	5,374	7,992	91	4.40	40	1.90	4,706	6,790	3	0.12	15	0.59
Aug-22	4,999	6,612	123	4.70	56	2.10	4,342	5,620	4	0.13	8	0.29
Sep-22	6,246	7,956	86	4.20	59	2.90	5,399	6,640	4	0.17	13	0.59
Oct-22	5,810	7,356	49	2.40	29	1.50	4,979	6,220	4	0.18	6	0.25
Nov-22	6,419	10,056	30	1.13	32	1.09	5,385	8,250	4	0.18	5	0.22
Dec-22	7,809	13,992	41	2.10	43	2.20	6,630	12,300	10	0.55	7	0.39
Jan-23	6,535	8,364	57	2.70	19	0.88	5,432	7,100	3.3	0.15	3	0.14
Feb-23	6,462	8,232	42	2.40	36	2.10	5,643	7,480	3.1	0.15	4	0.19
Mar-23	6,869	12,804	63	3.60	24	1.40	5,720	12,070	2.9	0.14	3	0.14
Apr-23	6,248	12,516	53	2.86	26	1.40	4,767	6,150	12	0.48	4	0.16
May-23	6,391	9,132	64	4.20	29	1.90	5,187	6,430	5.7	0.25	7	0.30
Jun-23	5,920	7,620	140	6.80	94	4.60	5,028	6,110	17.4	0.73	15	0.63
Jul-23	5,337	8,184	12	0.49	26	1.00	4,241	6,080	2	0.07	11	0.39
Aug-23	5,846	11,412	138	6.50	52	2.50	4,781	6,220	4.7	0.19	48	1.91
Sep-23	6,210	7,704	15	0.87	72	4.20	5,408	6,660	3	0.14	14	0.63
Oct-23	6,235	8,640	20	0.98	39	1.90	5,270	7,610	5.7	0.25	22	0.97
Nov-23	6,210	7,560	18	0.77	15	0.64	5,213	6,740	1	0.04	4	0.17
Dec-23	6,784	14,472	85	7.20	15	0.84	5,762	12,200	17	0.82	4	0.19
Jan-24	7,512	14,304	24	1.25	16	0.85	6,664	12,280	2.1	0.12	9	0.50
Feb-24	6,382	10,116	283	17.40	63	3.90	5,585	8,860	5.3	0.25	8	0.37
Mar-24	7,191	14,724	36	2.30	16	1.00	6,355	15,180	1.7	0.09	5	0.27
Apr-24	6,081	7,860	12	0.42	19	0.68	5,181	7,210	2.5	0.11	3	0.13

TABLE 4 – (continued)

Summary of Discharge Monitoring Reports (DMRs) WWTF Influent and Effluent Monthly Averages

	Influent						Effluent					
Year	**Avg. Monthly Flow (gpd)**	**Max. Daily Flow (gpd)**	**BOD_5 (mg/L)**	**BOD_5 (lb/d)**	**TSS (mg/L)**	**TSS (lb/d)**	**Avg. Monthly Flow (gpd)**	**Max. Daily Flow (gpd)**	**BOD_5 (mg/L)**	**BOD_5 (lb/d)**	**TSS (mg/L)**	**TSS (lb/d)**
May-24	5,993	8,112	23	1.55	42	2.80	5,072	6,290	3.1	0.13	18	0.76
Jun-24	6,152	10,416	26	1.87	77	5.20	5,175	8,030	2.6	0.11	13	0.56
Jul-24	4,823	7,152	14	0.75	27	1.44	4,400	6,930	4.6	0.17	15	0.55
Aug-24	5,183	7,656	11	0.41	14	0.54	4,260	6,140	2.1	0.07	6	0.21
Sep-24	5,883	7,764	11	0.62	21	1.17	4,934	5,690	1.2	0.05	11	0.45
Oct-24	6,539	12,280	5	0.26	23	1.25	5,369	11,220	1.2	0.05	9	0.40
Nov-24	7,211	10,728	9	0.51	13	0.78	6,509	10,210	2.5	0.14	11	0.60
Dec-24	6,632	11,580	5	0.18	10	0.39	6,214	10,420	1.3	0.07	0.19	0.01
Average	**6,317**	**10,306**	**36**	**2.02**	**29**	**1.53**	**5,495**	**9,409**	**4**	**0.18**	**8**	**0.37**
Maximum	**10,180**	**30,228**	**283**	**17.40**	**94**	**5.20**	**9,479**	**36,869**	**17**	**0.82**	**48**	**1.91**
Minimum	**4,823**	**6,396**	**5**	**0.18**	**6**	**0.36**	**4,043**	**4,910**	**1**	**0.04**	**0**	**0.01**

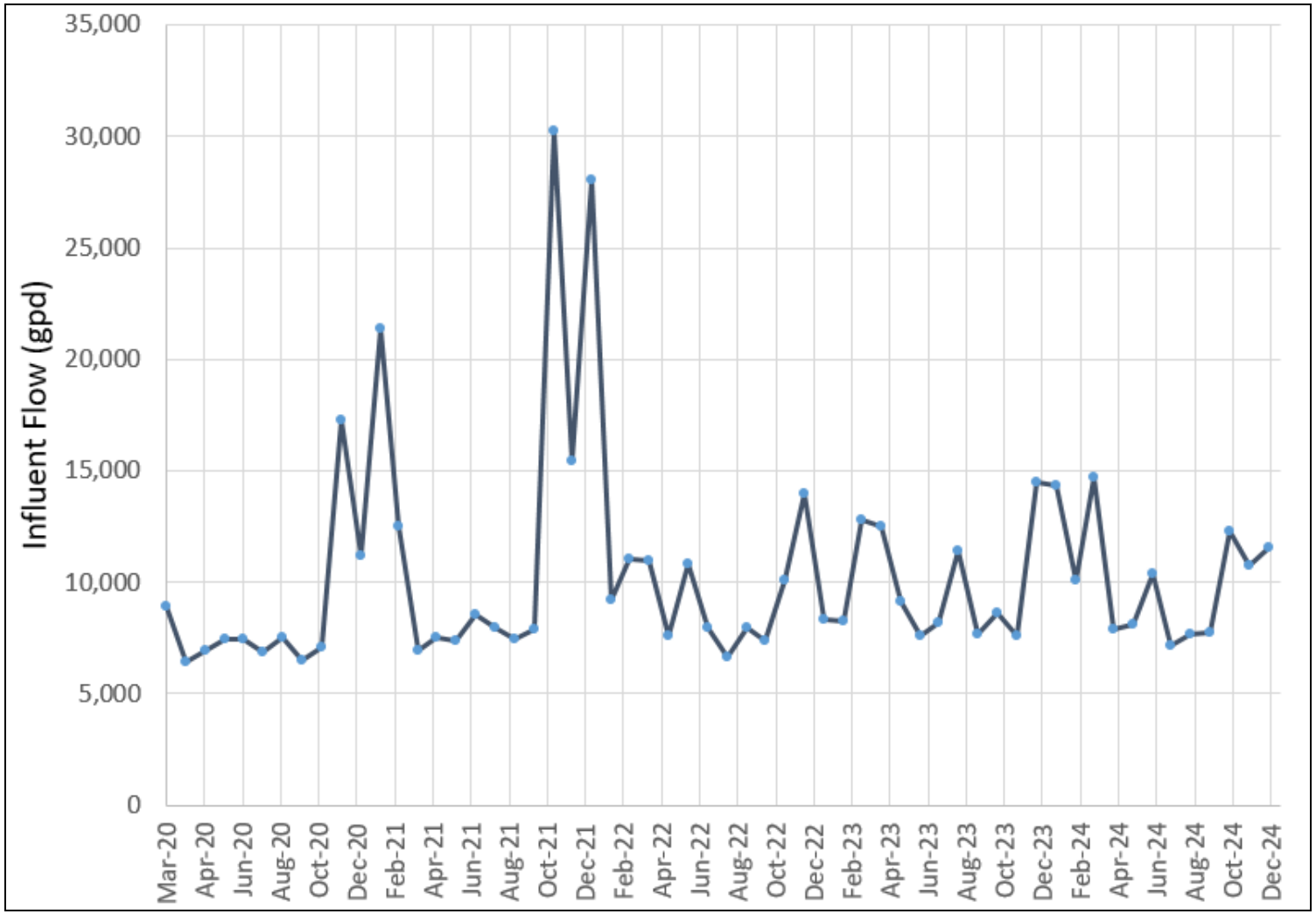


FIGURE 2

WWTF Monthly Maximum Daily Influent Flow

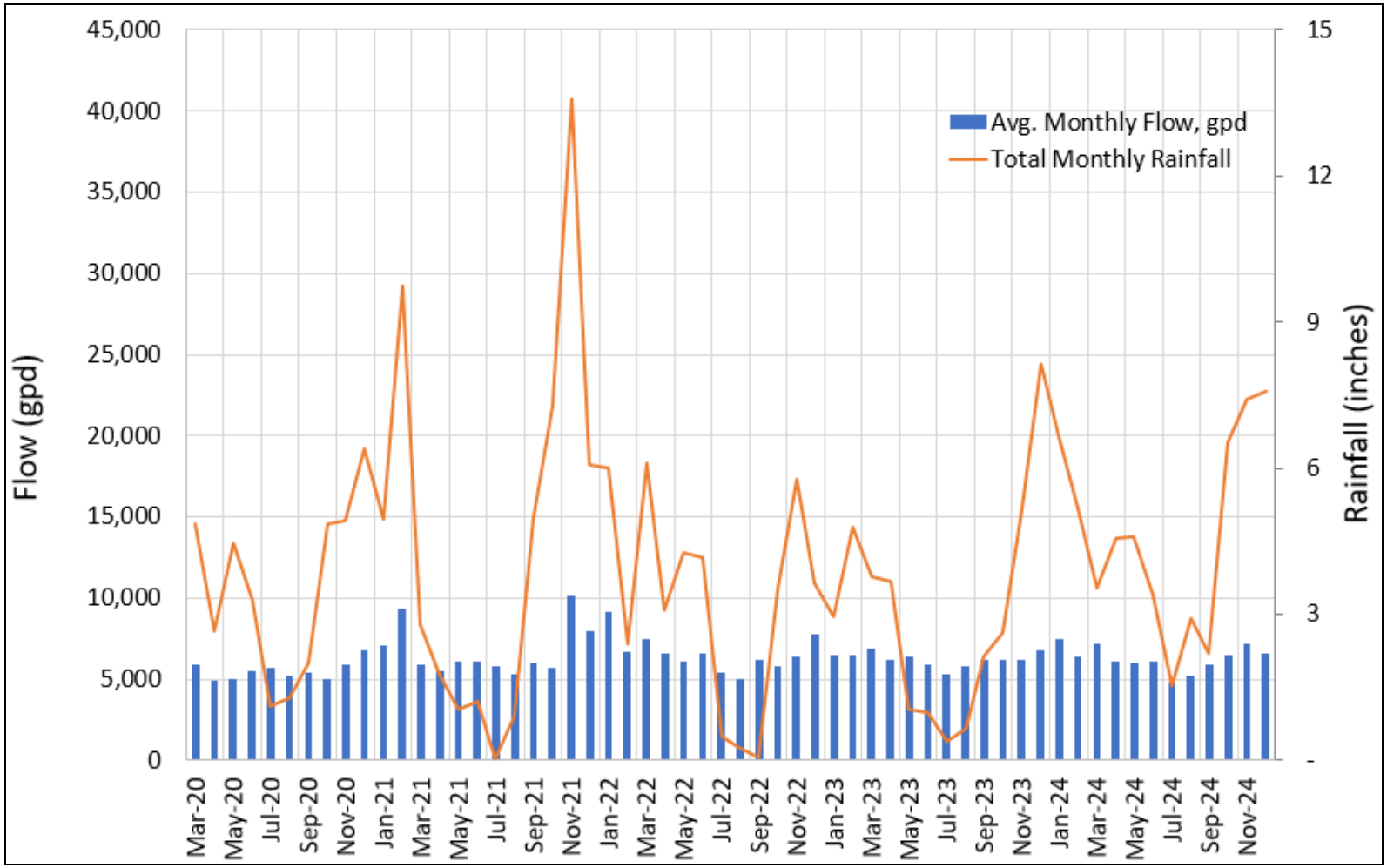


FIGURE 3

WWTF Monthly Average Influent Flow

Infiltration and Inflow

Figure 4 shows average monthly influent flows from 2020 through 2024 as a function of total monthly rainfall during the wet season months of November through April.

The increase of the extrapolated y- intercept value, which represents the "no rain" day flow, from 2020 to 2024, suggests that base flow and perhaps dry weather infiltration have increased over the period. The flatter slopes of the linear regression lines in 2023 and 2024 indicate the influent flow is apparently less dependent on precipitation which suggests that I/I have been reduced recently in the collection system.

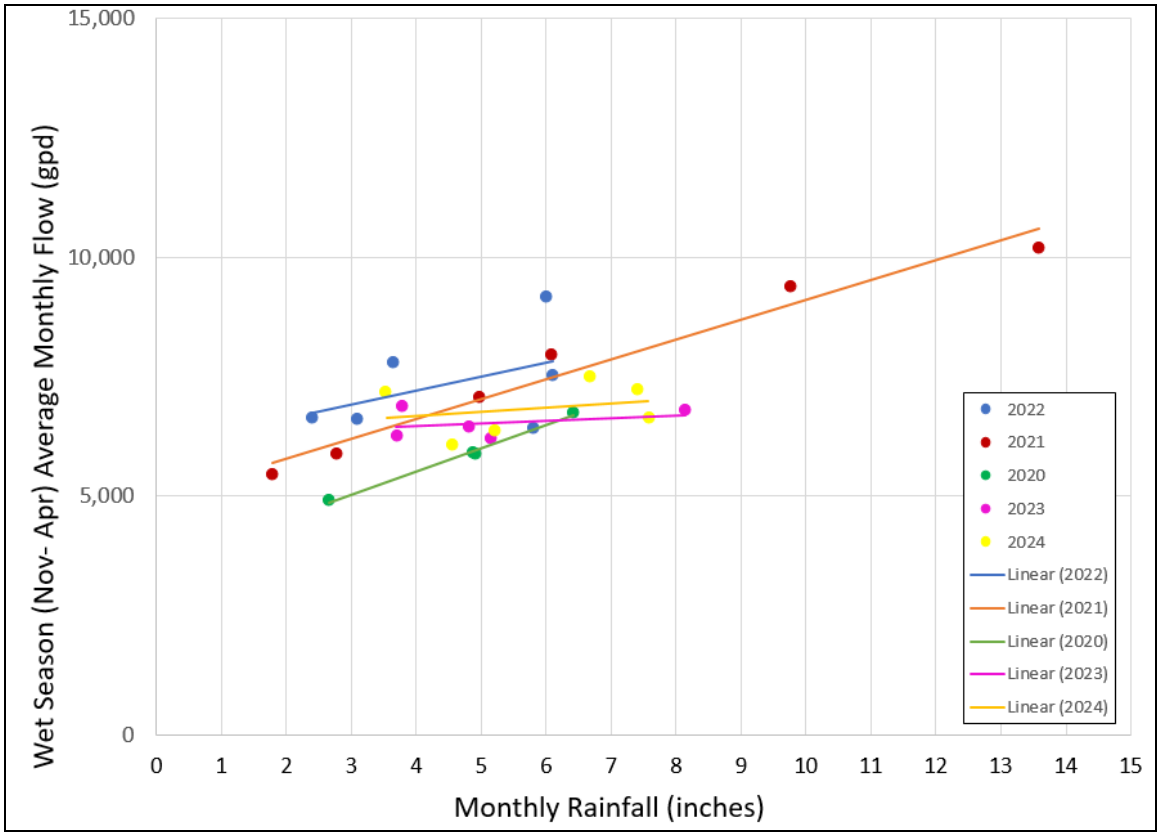


FIGURE 4

WWTF Monthly Influent Flow as a Function of Monthly Rainfall during Wet Season

Effect of Tides on Wastewater Flows

An evaluation of the impact on tides on wastewater collection flows was completed for this plan, as the District has indicated that tidal water could be entering the wastewater collection system and contributing to I/I. One of the methods used in making this assessment was to compare flows against the tide depth near Samish Bay. This was done

during the dry weather period to see if increased flow coincided with high tides, while excluding the influence of rainfall. Figure 5 through 6 show the dry weather wastewater flows plotted against tide levels during the dry weather period in years 2023 through 2024.

Salinity in the influent was measured to assess the impact of the tide water on the wastewater. An influent sample collected on January 11, 2022, was measured. A salinity of 0.78 PSS (Practical Salinity Scale) was measured, which is much lower than the average sea surface salinity of about 35 PSS, indicating a relatively minor impact from the tide intrusion. However, on January 11, 2022, there was only moderate tide, precipitation and wastewater influent flow, so it is not clear based on the available sampling data whether there is tidal water impact under extreme high tide conditions.

Based on the evaluation, it is concluded that tides have, at the most, only a minor *direct* impact on wastewater flows. However, it is possible that tide levels have some influence on wastewater flows; high tides that occur during peak precipitation periods of major storms, causing backups at storm water outfalls, can exacerbate flooding and increase the probability of I/I in the sewage collection system particularly in manholes. Figure 7 shows influent from 2020 through 2024 as a function of high tide. It was found that the highest flow days usually coincided with both high tide and high precipitation. All the influent flows, exceeding the plant capacity of 24,000 gpd, occurred when the tide level is above 8.5 feet.

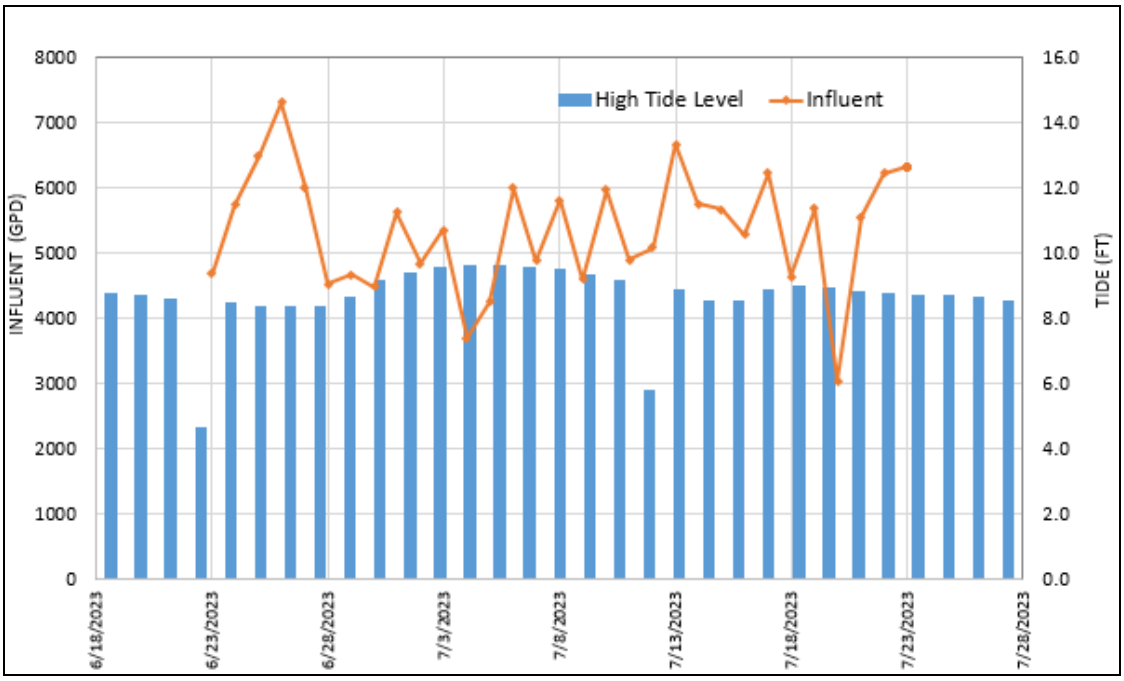


FIGURE 5

Tide vs. Flow during Dry Weather Period in 2023

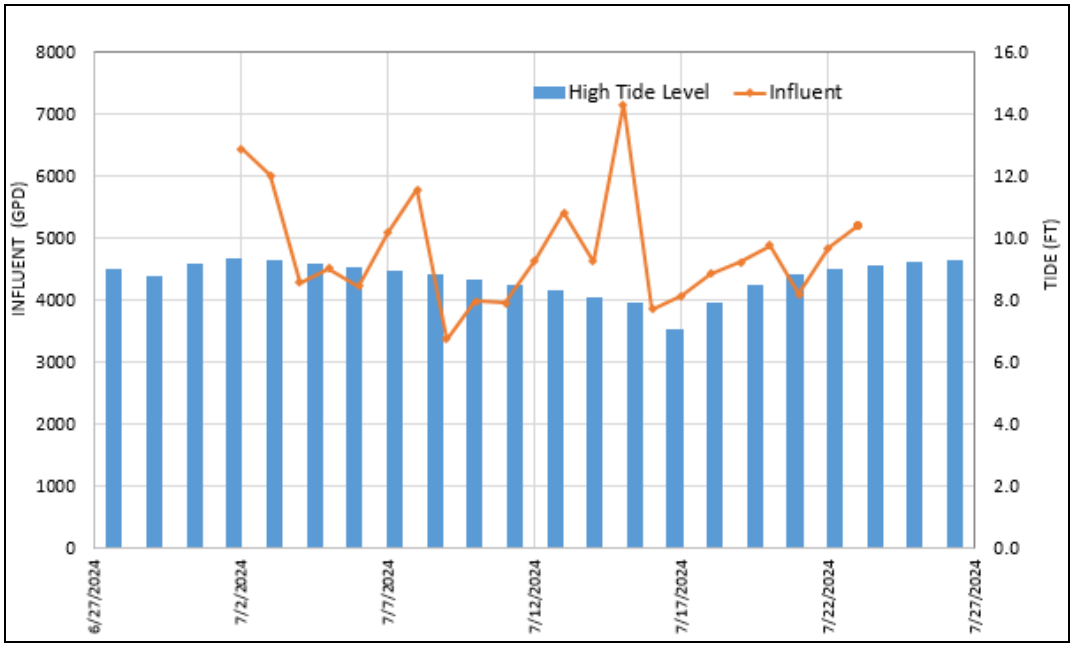


FIGURE 6

Tide vs. Flow during Dry Weather Period in 2024

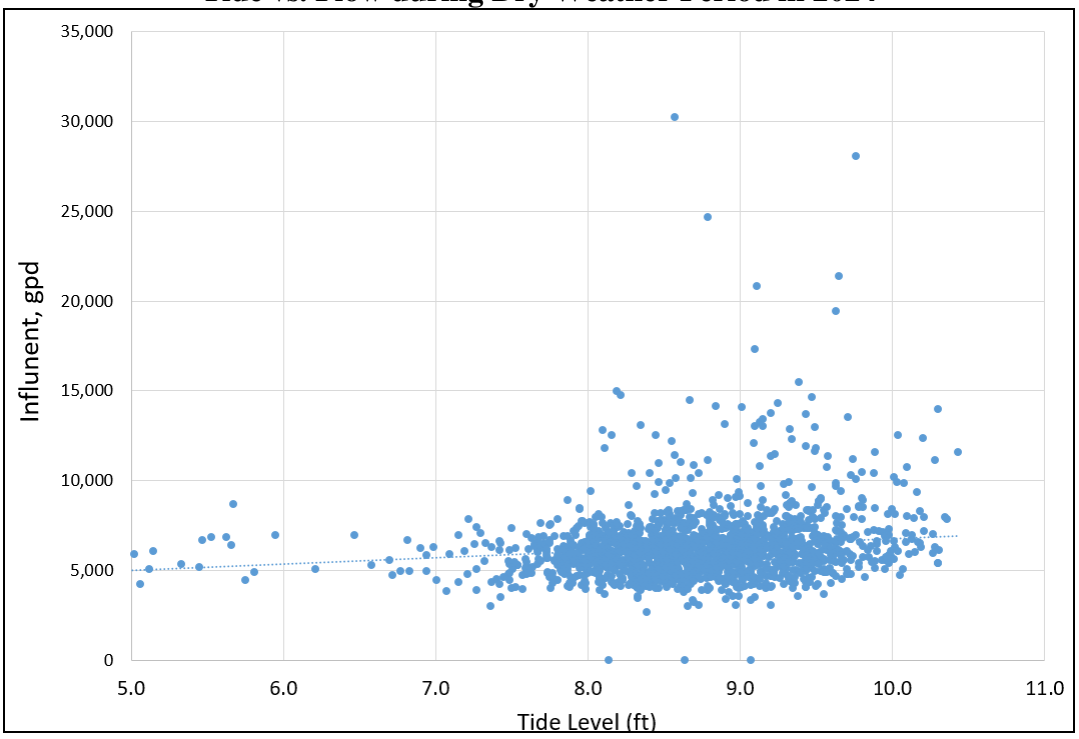


FIGURE 7

WWTF Influent Flow as a Function of Tide

Discharge Flows

As shown in Figures 8 through 10, the discharges to Drainfields 1 and 2 have been in compliance with permit limits between 2020 and 2024.

The Emergency Upflow Trench was utilized 27 times from March 2020 to December 2024, for emergency situations, which were mostly in the wet weather season (one time in September 2020, two times in December 2020, two times in January 2021, and seven times in February 2021, eight times in November 2021, one time in December 2021, four times in January 2022, two times in December 2022). Among those situations, the Upflow Trench discharge limit of 1,846 gpd was exceeded 24 times. Diversions to the Emergency Upflow Trench were not required in 2023 or 2024.

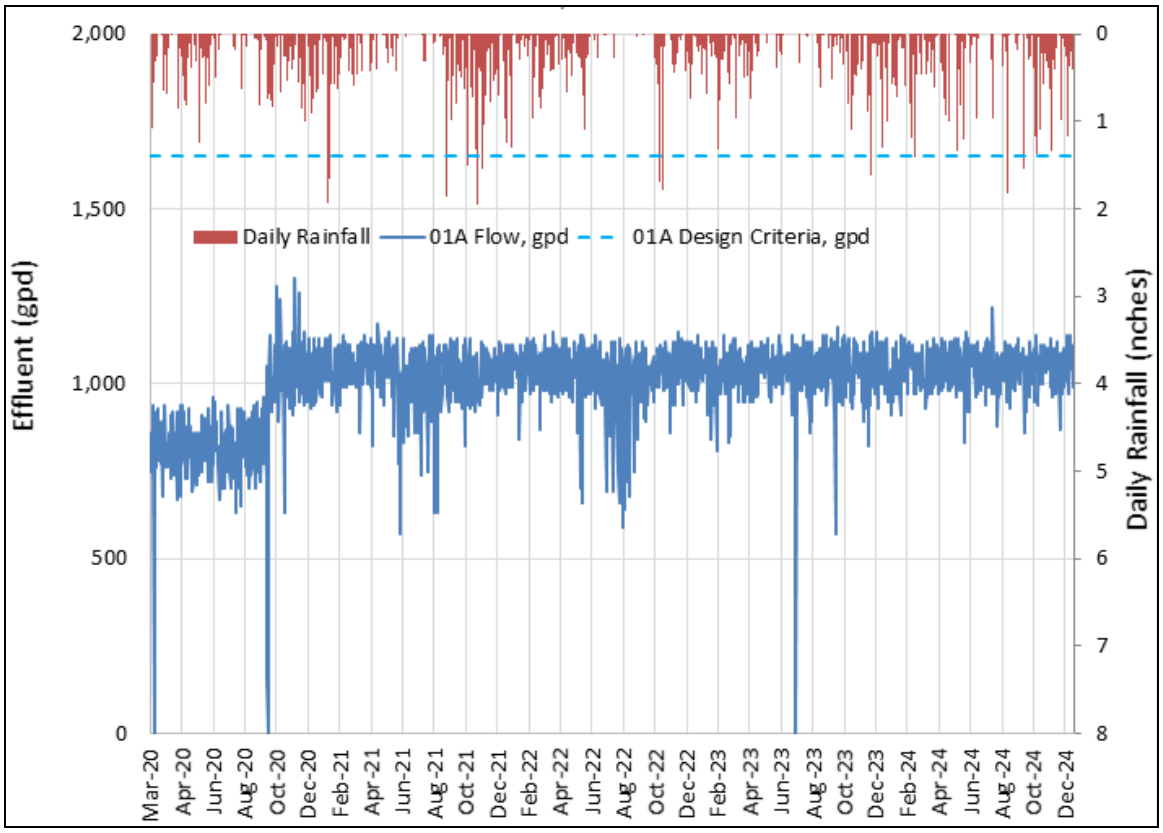


FIGURE 8

Effluent Flow to Drainfield 1

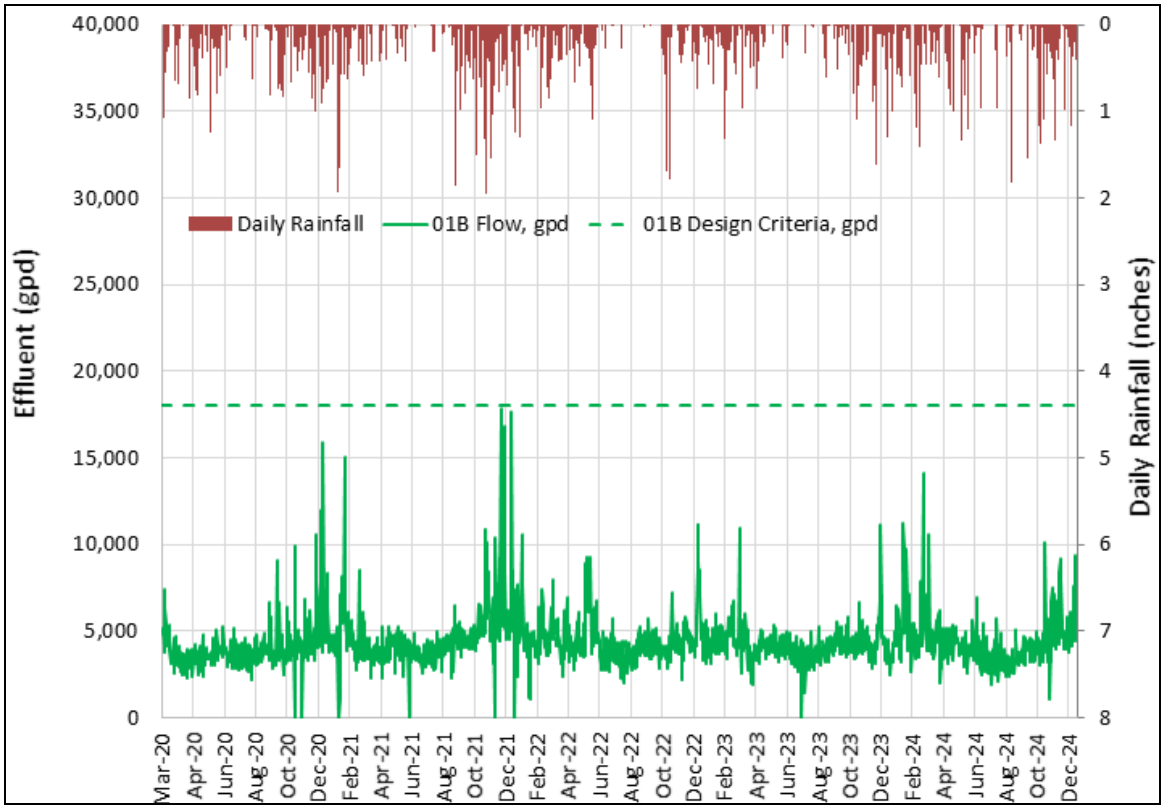


FIGURE 9

Effluent Flow to Drainfield 2

The Drainfield 2 inlet valve is closed during the utilization of the Emergency Upflow Trench.

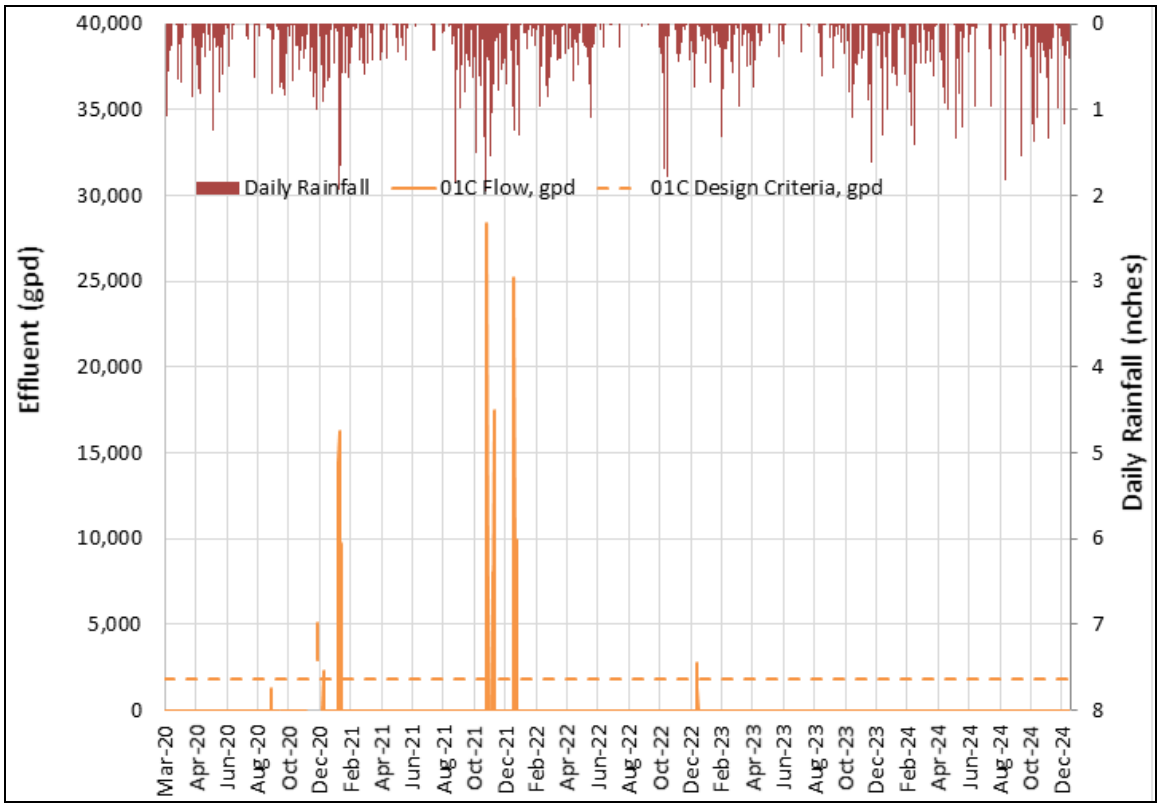


FIGURE 10

Effluent Flow to Emergency Upflow Trench

Effluent BOD and TSS

As shown in Figure 11, effluent BOD and TSS concentrations have been mostly compliant with permit limits over the 5 years of record from 2020 through 2024, except one exceedance of TSS limit on 8/2/2023, which was likely caused by randomly rising sludge/denitrification occurring in the settling tank, according to the facility operator.

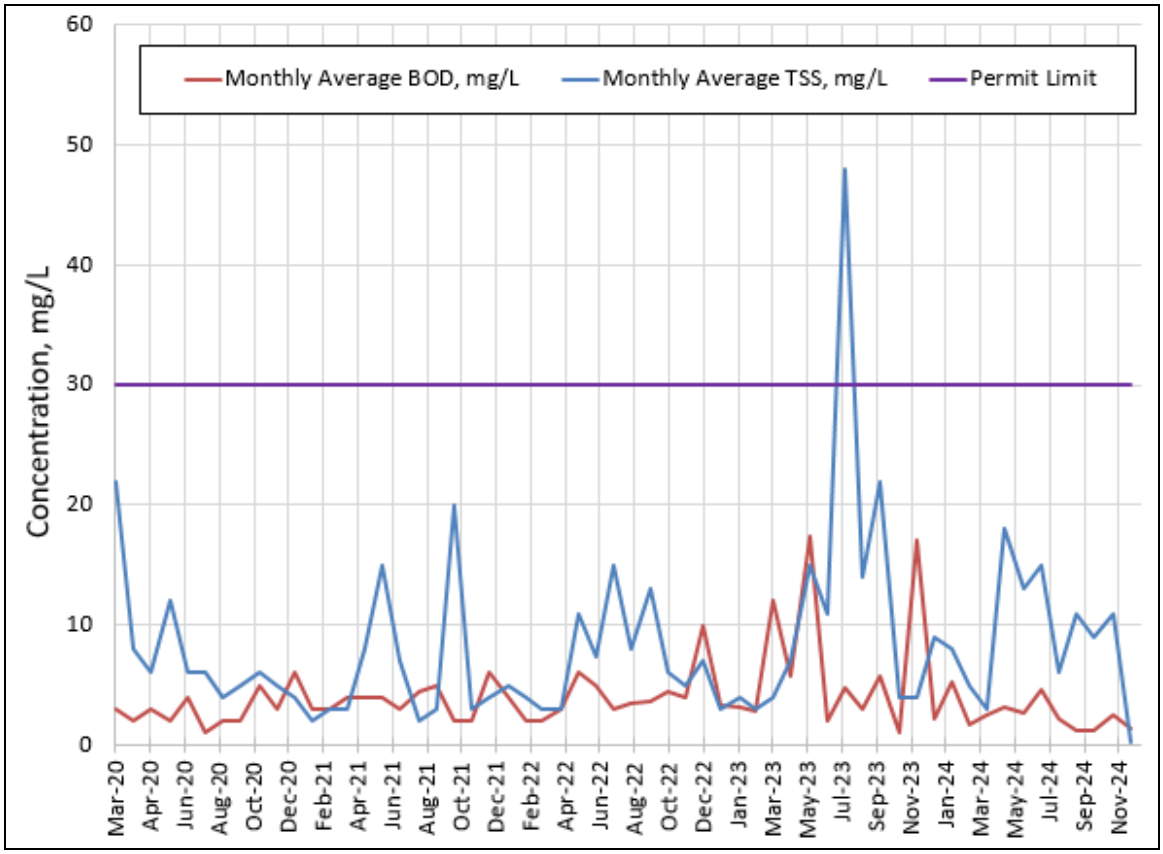


FIGURE 11

Monthly Average Effluent Concentrations

Fecal Coliform

The permit limits for fecal coliform bacteria are 200 per 100 ml on a monthly average basis. Effluent records for 2020 through 2024 are shown in Figure 12. The existing UV disinfection system, a Trojan PTP in-channel package system, was installed in 1996. The facility has been in compliance with the permit limits, except in April 2020. However, effluent fecal coliform levels have frequently approached the permit limits, and the system is approaching the end of its useful life.

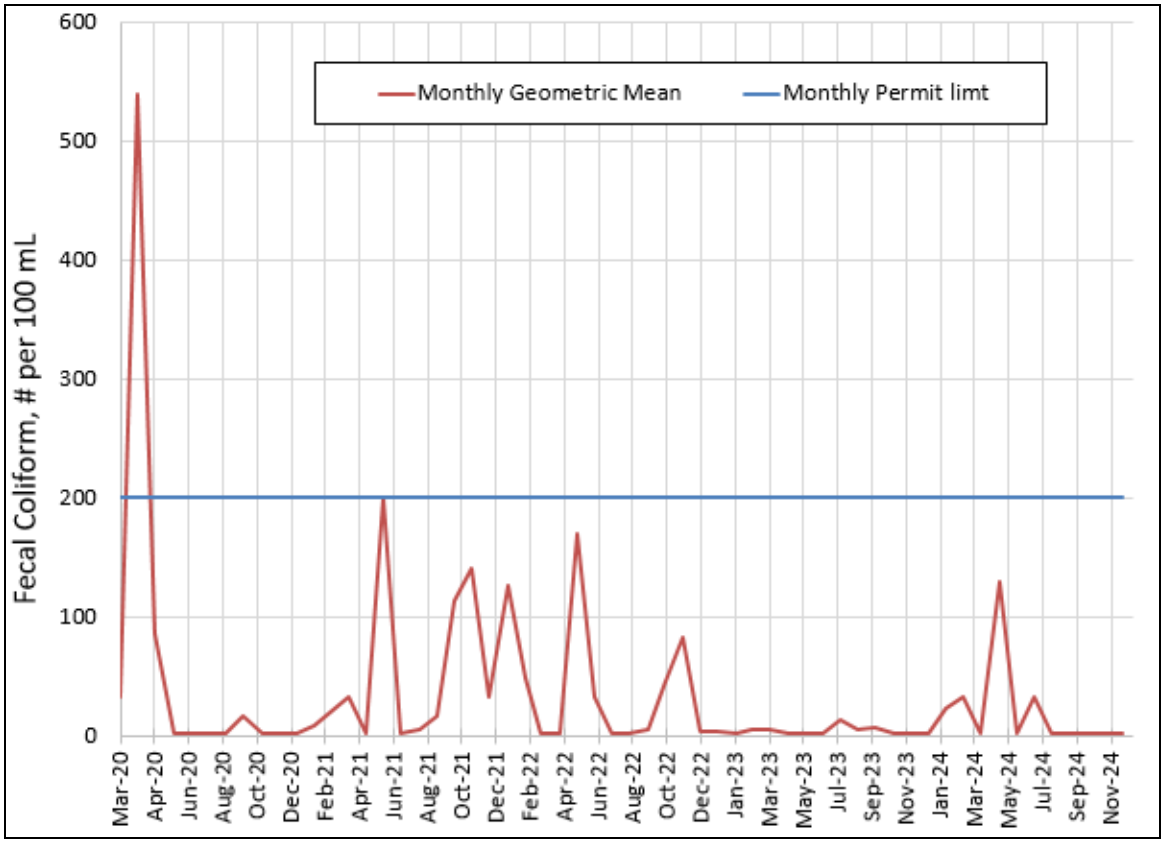


FIGURE 12

Effluent Fecal Coliform History – Monthly Geometric Means

Overall Treatment Facility Performance

Table 5 summarizes effluent data for four main performance parameters for the WWTF: BOD, TSS, Fecal Coliform, and pH.

TABLE 5

Monthly Effluent Concentration Data

Description	BOD (mg/L)	TSS (mg/L)	Fecal Coliform (#/100 ml)
Permit Requirement	30	30	200
Average	3.5	7.1	51.9
Minimum	1.0	2.0	1.8
Maximum	9.9	22.0	540
2020 Average	2.7	8.0	61.8
2021 Average	3.9	6.2	52.1
2022 Average	3.8	7.3	43.5
2023 Average	6.5	11.6	4.1
2024 Average	2.5	9.0	19.5

UV DISINFECTION DESIGN CRITERIA

UV Disinfection Design Flows

An analysis of the flows to the WWTF using data for the period from January 2023 through December 2024 was undertaken. This time period was selected for the design flows for an upgraded UV disinfection system because they will incorporate flows resulting from the I/I reduction measures described at the beginning of this section. This analysis yielded the flows shown in Table 6.

TABLE 6

2023 – 2024 Influent Flows and New UV Disinfection Design Flows

	2023 – 2024 Influent Flows					New UV Design Flows	
	Average Dry Weather Flow	Annual Average Flow	Maximum Monthly Flow	Peak Day Flow	Peak Hour Flow	Peak Day Flow	Peak Hour Flow
WWTF Influent (gpd)	5,296	6,298	7,512	14,724	19,141	22,000	30,000
I/I (gpd)	-	1,002	2,216	9,428	13,845	--	--
I/I (percent)	-	16	29	64	72	--	--

As can be seen by comparing Table 1 and Table 8, the I/I reduction measures implemented over the last two years have resulted in a reduction in the I/I and corresponding WWTF influent flows.

Effluent UV Transmittance

UV transmittance would indicate the efficiency of the UV light to penetrate the effluent. Several UV transmittance measurements were taken recently of the Edison WWTF effluent. The results are shown in Table 7.

TABLE 7

Edison WWTF Effluent UV Transmittance

Date	Time	Flow (gpd)	UVT (%)
May 19, 2025	5:00 PM	5952	56.3
May 22, 2025	7:00 AM	6072	60
May 25, 2025	Noon	5088	51.3
May 29, 2025	5:00 PM	5136	50.1
June 17, 2025	Noon	(Not Noted)	49.5(1)

(1) Duplicate measurements were 49% and 50%

Based on this data, a UV transmittance of 50 percent will be used to design the new UV disinfection system at the Edison WWTF.

Regulatory Fecal Coliform Effluent Limits

The effluent limits for fecal coliform bacteria are established by the NPDES Discharge Permit No. ST0045515 issued by the State of Washington Department of Ecology. The limits are a monthly geometric mean of 200 organisms per 100 ml.

PROPOSED UV DISINFECTION SYSTEM REPLACEMENT

The existing UV disinfection system is Model UV 3075K PTP as manufactured by Trojan Technologies. The manufacturer was contacted, and has confirmed that this system will be capable of producing an effluent within the regulatory fecal coliform effluent limits at a 50 percent UV transmittance up to a flow of 70,000 gpd. Therefore, if the existing UV disinfection system is replaced in-kind, it will be more than adequate to provide reliable disinfection in the foreseeable future.

The existing UV disinfection system is a package system consisting of UV disinfection modules mounted in a stainless steel channel. The modules are supported by brackets and the disinfected effluent flows over a stainless steel weir for level control in the channel.

The stainless steel channel was cast into a cast-in-place concrete structure in the original installation. The UV module support brackets and effluent weir are welded to the stainless steel channel. Thus, if a total replacement of the existing system were implemented, the entire concrete structure will have to be replaced.

Trojan Technologies, however, has indicated that only the UV modules, including all the electronic and electrical equipment, could be replaced and mounted into the existing channel and support brackets as long as the existing support brackets are structurally sound. The brackets and effluent weir were inspected by Edison WWTF operations staff on August 26, 2025, and were found to be in sound condition. It is, therefore, recommended that the existing modules be replaced, in the existing channel and support brackets, and the existing electronics be replaced with new electronics, including an updated monitoring system tracking lamp age and UV intensity, in the same location as the existing electronics.

A copy of Trojan's proposal and draft specifications are included in Appendix A.

The electrical work will consist of demolishing the existing electrical equipment which includes a lamp ballast box, and a receptacle stand. Power wiring from the operations building located approximately 75 feet to the north of the site will be reused. A new wall monitoring unit, and power distribution center, including receptacles, will be installed in weatherproof enclosures. Due to the existing record drawings not adequately documenting the power source, a field audit conducted by an electrician will be required to confirm the power source is the panelboard LBX, with a single circuit breaker. Once the power source is confirmed, a 30-day load study will be required to confirm that the electrical capacity of the circuit breaker, the panelboard, and the electrical feed to the site are not exceeded. Note that no remote monitoring of the site will be performed in addition to the above work, only local monitoring.

PERMITTING

As currently conceived, the project involves no or de minimus ground-disturbing work, as it is anticipated that the new UV system (an in-kind replacement) will be installed in the existing channel, and the control panel replaced near its existing location – essentially a maintenance activity. Based on this, the project is likely exempt from Cultural Resource, Shorelines, and SEPA requirements. This will be discussed with the relevant agencies for confirmation. Table 8 summarizes the status of permitting.

TABLE 8

Current Status of State and County Permitting

Permit Types	Likely Needed?	Notes
State Permits and Applications		
State Environmental Policy Act (SEPA) or Declaration of Exemption	No	Late September or early October 2025 (Exemption expected per WAC 197-11-800(3)).
Project Approval by WA Department of Ecology and Health	Yes	Engineering Report to be submitted to Ecology in late September or early October 2025. Plans and specifications submitted before bid.
Electrical Permit (L&I)	Yes	Contractor to apply
County Permits and Applications		
Shoreline Conditional Use, and Shoreline Substantial Development or Declaration of Exemption	No	Late September or early October 2025 (Exemption expected per SCC 14.26; it is not in Shoreline Jurisdiction)
Skagit County Flood Permitting	No	Likely Exempt unless modification/expansion of the UV channel is required

SCHEDULE

Per the terms of the funding, the project must meet federal Buy-American Build-American (BABA) requirements. The UV Disinfection System manufacturer is based in Canada, and at this time, cannot provide a BABA-compliant PTP system. However, , per discussion with Trojan's representative (WH Reilly Co.), Trojan is building manufacturing capability in the United States, and a BABA-compliant PTP system should be available early next year. This impacts the schedule.

The proposed schedule is as follows:

- October 2025 Electrical Field Verification and Load Study
- December 2025 60% Plans and Specifications
- January 2026 90% Plans and Specifications and Stakeholder Review
- February 2026 Advertise Project
- April 2026 Award Project
- October 2026 Construction Complete

COST ESTIMATE

A construction cost estimate is provided in Table 9. The estimate reflects the significant inflation recently observed, impacted by tariffs, particularly with electrical equipment and instrumentation.

A temporary disinfection system (anticipated to be chlorine-based) has been included in the cost estimate. It is possible that the project can be constructed without this system if effluent can be stored in tanks during construction. Also, the County may be able to reduce the cost if they provided the temporary disinfection system, instead of the contractor.

TABLE 9

Edison WWTF UV System Replacement
Estimated Construction Cost

No.	Description	Quantity		Price	Amount
1	Mobilization	1	LS	$10,000	$10,000
2	Equipment Acquisition	1	LS	$35,000	$35,000
3	Equipment Installation	1	LS	$20,000	$20,000
4	Demolition	1	LS	$10,000	$10,000
5	Temporary Disinfection System	1	LS	$10,000	$10,000
6	Electrical Work	1	LS	$30,000	$30,000
	Sub-total				**$115,000**
	Contingencies (25%)				$28,750
	Sub-total				**$143,750**
	Washington State Sales Tax (8.6%)				$12,000
	Total Estimated Construction Cost				**$155,750**

APPENDIX A

PROPOSAL AND SPECIFICATIONS

FROM

TROJAN TECHNOLOGIES

Wm. H. Reilly & Co.

Project Name:	Skagit County Edison WWTP UV replacement
Date:	September 10, 2025
Model Number:	**TrojanUV3000^{TM}PTP model** 3075K
Total Units Included:	Replacement Components
Unit Configuration:	Single Unit [X] In Series [ ] In Parallel [ ]

Design Criteria: Current Peak Design Flow:	20,000 gpd
UV Transmission:	50% minimum
Total Suspended Solids:	<30 mg/l, 30 day average
Max Mean Particle Size:	30 microns
Disinfection Limit:	200Fecal Coliform per 100 ml, based on a 30 day geometric mean of consecutive daily grab samples

We are pleased to submit the following scope of equipment supply based on the above criteria. The equipment described herein is named as the basis for the design.

The purchaser is responsible for reading all information contained in this Supply Contract. Trojan / Representative will not be held accountable for the supply of equipment not specifically detailed in this document. Detailed installation instructions are provided with the shop drawings and are available upon request. Changes to the Scope of Supply that affect selling price will be handled through a change order.

ULTRAVIOLET MODULES – By Trojan

Each UV module will be supplied completely assembled containing lamps, quartz sleeves and electronic ballasts. Each module will be supplied with a 10 foot (3.0 m) weather-proof cable and standard 120 Volt plug for connection to a GFI receptacle.

Quantity:	Three (3) UV modules will be supplied each containing lamps
Material of Construction:	316 stainless steel frame
Enclosure Rating	Type 6P

MONITORING SYSTEM – By Trojan

One (1) Type 4X fiberglass Monitoring Panel(s) will be supplied per Unit for monitoring system parameters, including lamp age and UV intensity. The monitoring system includes a submersible UV sensor, mounted on one module, to measure UV intensity in mW/cm^2.

Installation Contractor's Responsibility:

The Installation Contractor to be responsible for wall mounting the Monitoring Panel as shown on the layout drawings. The Installation Contractor to be responsible for the supply, installation and connection of the following at each Monitoring Panel:

One (1) 120 Volt, 1 phase, 2 wire (plus ground), 50 / 60 Hz, 5 Amps power supply
One (1) 4-20 mA for remote indication for UV intensity (required if UV intensity will be monitored remotely)
One (1) dry contact for low UV intensity alarm (required if remote low UV intensity alarm is required)

MAINTENANCE RACK – By Trojan

One (1) Type 304 stainless steel maintenance rack(s) will be supplied to support modules during service or maintenance activities.

ADDITIONAL NOTES

Three (3) copies of submittal shop drawings will be provided 2-4 weeks after receipt of purchase order.
Equipment delivery 6 - 8 weeks after release for fabrication (approved Shop Drawings).
Three (3) copies of Standard O&M Manuals will be provided at time of equipment delivery.

START-UP and TRAINING

One (1) day UV System Start-up and Operator training will be provided by factory trained service personnel*.

WARRANTY
Trojan Technologies warrantees the UV equipment supplied for 12 months after substantial completion or 18 months after shipment, whichever comes first. UV lamps are warranted for 12,000 hours (non-prorated) or thirty-six (36) calendar months from shipment, which ever comes first.

Refer to attached Terms and Conditions for additional details.

SELLING PRICE: $ 33,900-

PAYMENT TERMS

50% due upon submittal approval
45% due upon shipment of equipment
5% due after system start-up
Net 30 Days or prior to system start-up, whichever comes first.
F.O.B Factory; Freight paid to jobsite
Selling price does not include any duties, tariffs, or taxes, which may be applicable.

Please refer all inquiries to Trojans' Manufacturer Representative:

Contact: Bill Reilly
Company: Wm. H. Reilly & Co.
Phone: 503-223-6197
Email: bill@whreilly.com

Wm. H. Reilly & Co. TERMS AND CONDITIONS of Sale

THIS CONTRACT FORM CONSISTS OF 3 Sheets. Sheet No. 3 Date 9/10/25

1. ACCEPTANCE. This proposal is submitted to Purchaser subject to the terms and conditions hereinafter set forth. There are no agreements or representations, verbal or otherwise, outside of this proposal. Upon the acceptance hereof by Purchaser by signing the acceptance copy of this proposal and returning the same to Seller and upon execution of this proposal by an authorized representative of Seller, this proposal shall become a binding contract. In the event that Purchaser submits its own Purchase Order in lieu of accepting this proposal, no contract shall be formed until Seller shall submit to Purchaser Seller's acknowledgement in which event a contract shall thereupon become effective subject to the terms and conditions of said acknowledgement.

2. DELIVERY. Unless otherwise specified, delivery shall be FOB Factory. Any delivery date set forth in this proposal is approximate. Seller recognizes the desirability of making delivery promptly. However, Seller shall not be responsible for any loss or damage resulting from any delay in delivering or failure to deliver the equipment (as used herein "equipment" refers to all equipment, materials, accessories and/or parts which Seller proposes to sell hereunder) where such delay or failure is caused by fire. flood, natural causes, labor trouble (including strikes, slowdowns and lockouts), war, Government regulations, riots, civil disorders, interruption of or delay in transportation, power failure, inability to obtain materials and supplies, accidents, acts of God, or any other cause beyond Seller's control.

3. TAXES. Prices specified herein do not include any Federal, State or Municipal sales use, excise or other taxes. Therefore, in addition to the prices specified herein, the amount of any such sales, use ore other taxes applicable to the sale of the equipment shall be paid by Purchaser or in lieu thereof Purchaser shall furnish Seller with tax-exemption certificates acceptable to said taxing authorities.

4. WARRANTY. New equipment manufactured by Seller is warranted to be free from defects in material and workmanship under normal use and services for a period of one year from date of shipment; Seller's obligation under this warranty being limited to repairing or replacing at its option any part found to its satisfaction to be so defective provided that such part is, upon request, returned to Seller's factory from which it was shipped, transportation prepaid. This warranty does not cover parts damaged by decomposition from chemical action or wear caused by abrasive materials, nor does it cover damage resulting from misuse, accident or neglect, or from improper operation, maintenance, installation, modification or adjustment. This warranty does not cover parts repaired outside Seller's factory without prior written approval. Seller makes no warranty as to starting equipment, electrical apparatus or other material not of its manufacture, since the same are usually covered by warranties of the respective manufacturers thereof.

In the event, notwithstanding the terms of this agreement, it is determined by a court of competent jurisdiction that an express warranty has been given by Seller to Purchaser with respect to the speed, capacity or other like performance characteristics of said equipment, Seller's liability for breach of the same be limited to accepting return of such equipment FOB plant of manufacture, refunding any amounts paid thereon by Purchaser (less depreciation at the rate of 15% per year if Purchaser has used said equipment for more than 30 days) and canceling any balance still owing on the equipment.

THIS WARRANTY IS EXPRESSLY IN LIEU OF ANY OTHER WARRANTIES, EXPRESS OR IMPLIED AND SELLER SPECIFICALLY DISCLAIMS ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

5. CANCELLATION. When this proposal becomes a binding contract as hereinabove provided, the Purchaser may cancel the same at any time prior to shipment, but only upon payment to Seller of reasonable cancellation charges, which shall include expenses already incurred, the cost to Seller of canceling it and Seller's anticipated profit.

6. COMPLIANCE WITH LAWS. Purchaser shall be solely responsible for securing any necessary permits under and for compliance with all safety, health and sanitation laws, ordinances and regulations in connection with the installation and operation of the equipment. Purchaser agrees to provide Seller, upon request with evidence of the securing of any such permits and of compliance with any such laws, ordinances and regulations, although Seller may rely exclusively on Purchaser's representations, hereby made, that it shall secure such permits and comply with such laws, ordinances and regulations.

7. INDEMNIFICATION. It is understood that Seller has relied upon data furnished by and on behalf of Purchaser with respect to the safety aspects of the equipment and that it is Purchaser's responsibility to assure that the equipment will, when installed and put in use, be in compliance with safety requirements fixed by law and otherwise legally adequate to safeguard against injuries or damage to persons or property. Purchaser hereby agrees to defend, indemnify and hold harmless Seller, its agents and employees against any and all losses, costs, damages, claims, liabilities or expenses, including but not limited to reasonable attorneys' fees, arising out of or resulting from any injury or damage to any person or property caused by the inadequacy of safety features, devices or characteristics in the equipment or in the installation, use or operation of the same, except claims for repair or replacement of defective parts as provided in Paragraph 4 hereof.

8. PATENT INFRINGEMENT. Seller, at its own expense, shall defend any suit brought against Purchaser on the ground that use of the equipment for the purpose for which sold hereunder, infringes any United States Letters Patent existing on the date of submission hereof, and shall pay the amount of any judgment that may be awarded against Purchaser in any such suit, provided and upon condition that Purchaser shall have made all payments due for the equipment and shall (a) promptly deliver to Seller all infringement notices and other papers received by or served upon Purchaser, (b) permit Seller to take complete charge if the defense of such suit (and to settle the same if this be deemed advisable by Seller), and (c) assist in every reasonable way in the conduct of such defense. In the event that Purchaser shall be enjoined by any court of competent jurisdiction from using the equipment for the purpose for which sold hereunder on the ground that such use infringes any United States Letters Patent existing on the date of submission hereof, or if it is at any time established to Seller's satisfaction, upon due investigation, that the equipment infringes such United States Patent, Seller, at its option may either (1) procure for Purchaser a license to continue using the equipment, (2) modify the equipment so as to make it non-infringing without seriously impairing its performance, (3) replace the equipment with equipment that is substantially equal non-infringing, or to a method or process. (4) remove the equipment from point of installation, in which event Seller shall refund to Purchaser or owner the purchase price less depreciation at the rate of 15% per year.

The foregoing sets forth Seller's entire liability to Purchaser for patent infringement based on the possession and use of the equipment by Purchaser, it being understood and agreed that the aforesaid obligations of Seller do not extend to, and are not applicable in the case of, any patent infringement claims directed to a method or process.

9. PRICES AND PAYMENT. This proposal is valid for a period of 30 days from the date hereof. Should this proposal become a binding contract as hereinabove provided, the prices set forth herein are firm for 12 months from the date this proposal becomes a binding contract, providing drawings are returned approved within 30 days after issuance. If shipment is, for any reason, deferred beyond 12 months from the date this proposal becomes a binding contract, the prices set forth herein are subject to escalation of two percent (2%) per month from the expiration of the aforesaid 12-month period to the date of shipment.

10. TITLE. Title to equipment specified herein, and to any and all additions and accessories thereto and substitutions thereto, shall remain in Seller until the purchase price thereof is paid in full.

11. RISK OF LOSS. The risk of loss of or damage to the equipment is on Purchaser from and after delivery to Purchaser or to carrier for shipment to Purchaser.

12. DISCLAIMER OF CONSEQUENTIAL DAMAGES, LIQUIDATED DAMAGES OR PENALTIES. SELLER SHALL NOT BE LIABLE FOR CONSEQU NTIAL DAMAGES. CONSEQUENTIAL DAMAGES FOR THE PURPOSES OF THIS AGREEMENT SHALL INCLUDE, BUT NOT BE LIMITED TO, LOSS OF USE, INCOME OR PROFIT, OR LOSS OF OR DAMAGE TO PROPERTY (INCLUDING, BUT WITHOUT LIMITATION, PRODUCTS MANUFACTURED, PROCESSED OR TRANSPORTED BY THE USE OF THE EQUIPMENT) OCCASIONED BY OR ARISING OUT OF THE OPERATION USE, INSTALLATION, REPAIR OR REPLACEMENT OF THE EQUIPMENT OR OTHERWISE.

Seller shall not be liable for any penalty or liquidated damages based upon or relating to failure or inability to ship within a specified time.

SUBMITTED THIS 10th day of September, 2025

BY: William M. Reilly

ACCEPTED THIS _____ day of _____,20____

Approved at Portland, Oregon, this

BY: _____
Authorized Purchaser

_____day of _____,20_____

_____
Company

BY: _____
Wm. H. Reilly & Co., Inc.

TROJAN UV3075K™PTP – STANDARD SPECIFICATION
ULTRAVIOLET DISINFECTION EQUIPMENT

1.0 GENERAL

1.1 DESCRIPTION

A. Scope:

Furnish all labor, materials, equipment and appurtenances as noted below to rebuild an existing Trojan Technologies Model 3075K PTP open channel gravity flow ultraviolet (UV) disinfection system. The components to be replaced include new UV modules with lamps and sleeves and a UV monitoring system with UV intensity sensor. Rebuilt system shall be complete and operational with all control equipment and accessories as shown and specified.

B. Related Work (Specified Elsewhere):

1. Section …..

1.2 QUALITY ASSURANCE

A. Design Criteria

1. The replacement UV components will disinfect an effluent with the following characteristics:

a.	Peak Flow:	20,000 gallons/day
b.	Total Suspended Solids:	≤ 30 mg/L on a 30 day average
c.	Ultraviolet Transmittance @ 253.7 nm:	50%
d.	Annual Effluent Temperature Range:	33 to 85 ºF
e.	Effluent standard to be guaranteed:	200 fecal coliform / 100 ml based on a 30 day Geometric Mean of consecutive daily grab samples

2. The UV equipment will be installed in an existing Trojan Model 3075K PTP stainless steel channel.
3. The replacement components supplied will be arranged in the following manner.

a.	Number of Lamps in each UV Lamp Module:	Six (6)
b.	Number of UV Lamp Modules:	Three (3)
c.	Number of UV Banks:	One (1)

4. The lamp array configuration will be evenly spaced in both horizontal and vertical rows with all lamps parallel to each other and to the effluent flow.

B. Performance Requirements:

1. The UV system will be designed to deliver a minimum UV dose of 30,000 µWs/cm2 or 30 mJ/cm2, in effluent with a UV Transmission of 50% after reductions for quartz sleeve absorption, sleeve fouling, and lamp aging. The basis for evaluating the UV dose delivered by the UV

system will be the manufacturer's bioassay as carried out by an independent third party. Bioassay validation methodology to follow protocols described in US EPA Design Manual - Municipal Wastewater Disinfection (EPA/625/1-86/021), without exception.

2. The UV system will produce an effluent conforming to the following discharge permit: 200 FC/100 ml, based on a 30 day Geometric Mean. Grab samples will be taken in accordance with the Microbiology Sampling Techniques found in Standard Methods for the Examination of Water and Wastewater, 19th Ed.

1.3 SUBMITTALS

A. Shop Drawings:
Submit for review shop drawings showing the following:

1. Complete description in sufficient detail to permit an item comparison with the specification.
2. Dimensions and installation requirements.
3. Descriptive information including catalog cuts and manufacturers specifications for components.
4. Electrical schematics and layouts.
5. Independent bioassay report demonstrating dose delivered under design conditions.

1.4 GUARANTEE

A. Equipment:
The equipment furnished under this section will be free of defects in material and workmanship, including damages that may be incurred during shipping for a period of 24 months from date of substantial completion or 30 months after shipment, whichever comes first.

B. UV Lamps:
The UV lamps to be warranted for a minimum of 12,000 hours (non-prorated) or thirty-six (36) calendar months from shipment, whichever comes first. Pro-rated lamp warranties will not be accepted. On / off cycles are limited to an average of four (4) per day without exception.

2.0 PRODUCTS

2.1 MANUFACTURER

A. Trojan Technologies, of London, Ontario, Canada to match existing system.

2.2 GENERAL REQUIREMENTS

A. Provide a UV lamp modules and UV monitoring system as shown on the Contract Drawings and as herein specified.

B. UV system will be designed for complete outdoor installation, without shelter or supplemental cooling or heating required.

2.3 DESIGN, CONSTRUCTION AND MATERIALS

A. General:

1. All material in contact with effluent will be stainless steel or quartz.
2. All material exposed to UV light will be stainless steel, anodized aluminum, quartz 214, or Teflon™.

B. UV Module (UVM):

1. Each UV lamp module will consist of six (6) lamps and their corresponding electronic ballast. Each lamp will be enclosed in its individual quartz sleeve, one end of which will be closed and the other end sealed by a lamp end seal and holder.
2. The electrical wires connecting the lamps to the electronic ballasts will be enclosed in the stainless steel frame. Systems where lamp wiring is submerged in the effluent and exposed to UV light will not be allowed.
3. Each UV module will be provided with a standard 120 Volt plug and weatherproof cable for connection to a receptacle. The cable will be 10 feet long. A total of three (3) UV modules will be supplied. Lamp status will be displayed on top of each UV module using watertight LED indicator lights.
4. Modules will be approximately 40.2 inches long, 14.16 inches high and 2.8 inches wide, weighing approximately 22 lbs. Materials of construction will be stainless steel type 316, anodized aluminum, quartz 214, and Teflon™, with UL rating of Type 6P

C. UV Lamps:
1. UV system will use low pressure mercury slimline lamps of the hot cathode, instant start design.
2. 90% of UV output will be within the wavelengths of 233.7 to 273.7 nm.
3. The operating life of the lamp will be guaranteed for 12,000 hours.
4. Independent validation of lamps aging factor is required.

D. Lamp End Seal and Lamp Holder:
1. The open end of the lamp sleeve will be sealed by means of a sleeve nut which threads onto a sleeve cup and compresses the sleeve 'O' ring.
2. The sleeve nut will have a knurled surface to allow a positive handgrip for tightening. The sleeve nut will not require any tools for removal.

E. UV Lamp Sleeves:
1. Quartz sleeves to be Type 214 clear fused quartz circular tubing as manufactured by General Electric or equal.
2. Quartz to be rated for UV transmission of 89% and not subject to solarization.
3. The nominal wall thickness will be 1.0 to 2.0 mm to maximize UV transmission.

G. Electrical:
1. The UV disinfection system will be divided into three (3) UV modules.
2. Interconnecting Cables to be standard 120 Volt, weatherproof, 10 feet (3.0 m) long and will be suitable for outdoor installation.
3. The UV modules will connect to the existing duplex power distribution receptacles.
4. Power Consumption:
    a. Maximum power draw to UV System will be 270 watts.
    b. All electrical supplies will be 120 Volt, 60 Hz.
    c. A separate 120 volt, 5 amp supply to be provided for the Monitoring System.

H. Monitoring System:
1. One (1) submersible UV sensor will continuously monitor the UV intensity produced in the bank of UV lamp modules. The sensor will measure the germicidal portion of the light emitted by the UV lamps.
2. UV intensity will be indicated on a 3 character display in mW/cm^2.

3. Elapsed time in hours (lamp age) will be indicated on a 5 character display.
4. Both displays will utilize LEDs and will be visible through the panel door.
5. A dry contact will be provided for remote indication of Low UV intensity alarm.
6. Monitoring System will be enclosed in a fiberglass Type 4X wall mounted panel and is to be located less than twelve (12) feet (3.66 m) from the LED end of the UV Module.

I. Maintenance Rack:
One (1) Type 304 stainless steel maintenance rack will be supplied. The rack is designed to hold UV modules during service or maintenance.

J. Spare Parts:
The following additional parts will be furnished:

- Four UV lamps
- Four Quartz sleeves
- Four Lamp holder seals

3.0 EXECUTION

3.1 INSTALLATION

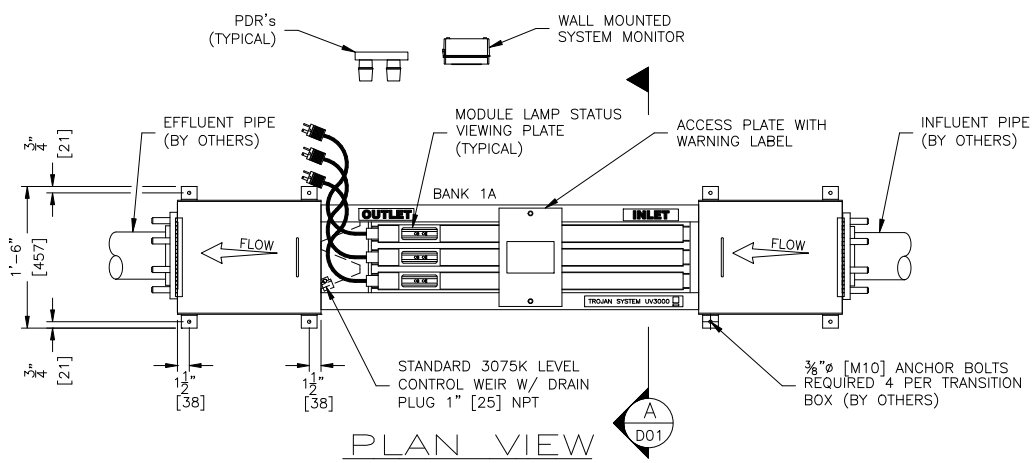
In accordance with shop drawings, and Manufacturer's instructions.

3.2 MANUFACTURER'S REPRESENTATIVE'S SERVICES

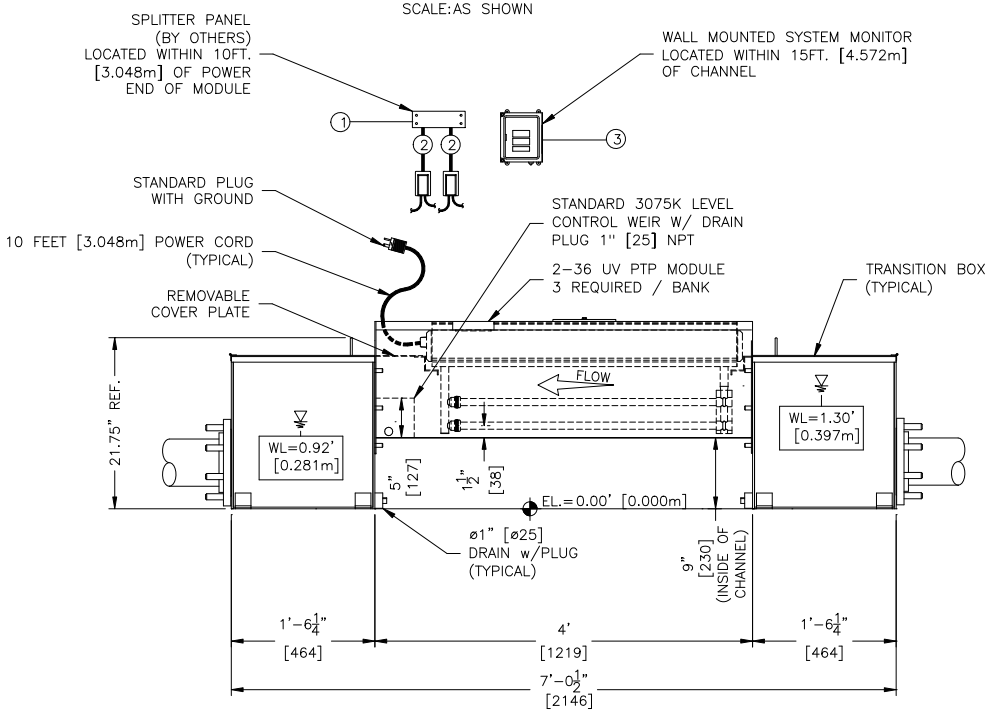
A. Start-up, field testing and Operator Training: 1 full day on site.
B. Warranty Service: As required during the warranty period.

TROJAN UV3000™ PTP
EQUIPMENT INTERCONNECTIONS

No.	DESCRIPTION	FROM	TO
1	SPLITTER PANEL POWER SUPPLY 120V, 1 PHASE, 2 WIRE, ACTUAL DRAW 4.8 AMPS / SPLITTER PANEL	DISTRIBUTION PANEL (DP) (NOT SHOWN) (BY OTHERS)	SPLITTER PANEL (BY OTHERS)
2	POWER DISTRIBUTION RECEPTACLE (PDR) POWER SUPPLY 120V, 1 PHASE, 2 WIRE, ACTUAL DRAW 3.2 AMPS / PDR	SPLITTER PANEL (BY OTHERS)	PDR
3	SYSTEM MONITOR POWER SUPPLY 120V, 1 PHASE, 2 WIRE, 5 AMPS	DP (NOT SHOWN) (BY OTHERS)	SYSTEM MONITOR

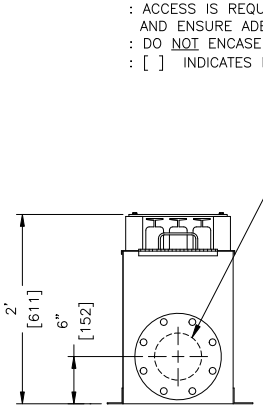


PLAN VIEW
SCALE:AS SHOWN

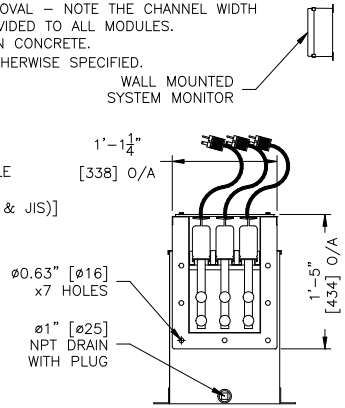


FRONT VIEW
SCALE:AS SHOWN

NOTES:
: DO NOT SLOPE CHANNEL FLOOR.
: CHANNEL WIDTH & DEPTH MUST BE KEPT WITHIN A TOLERANCE OF + OR – ¼" [6].
: ANCHOR BOLTS ARE NOT SUPPLIED BY TROJAN TECHNOLOGIES.
: BOLTS, WASHERS & NUTS FOR CONNECTION OF CHANNEL TO TRANSITION BOXES ARE PROVIDED BY TROJAN TECHNOLOGIES.
: SYSTEM CONDUIT, WIRING, DISTRIBUTION PANELS & INTERCONNECTIONS BY OTHERS.
: ELECTRICAL REQUIREMENTS SHOWN ARE TO SUPPLY TROJAN UV EQUIPMENT ONLY. ELECTRICAL INRUSH FACTOR TO BE ADDED AS PER LOCAL CODE.
: ANY EXTRA OUTLETS NOT BEING USED BY TROJAN EQUIPMENT HAVE NOT BEEN INCLUDED IN THE INTERCONNECT AMPERAGE.
: CONTRACTOR TO REVIEW ALL TROJAN TECHNOLOGIES INSTALLATION INSTRUCTIONS PRIOR TO EQUIPMENT INSTALLATION.
: ACCESS IS REQUIRED FOR MODULE REMOVAL – NOTE THE CHANNEL WIDTH AND ENSURE ADEQUATE ACCESS IS PROVIDED TO ALL MODULES.
: DO NOT ENCASE THE STEEL CHANNEL IN CONCRETE.
: [ ] INDICATES MILLIMETERS UNLESS OTHERWISE SPECIFIED.



END VIEW (TYPICAL)
SCALE:AS SHOWN



A SECTION
D01 SCALE:AS SHOWN
NOTE: PDR NOT SHOWN FOR CLARITY

MULTIPLE CHANNELS IN PARALLEL (OPTION):
: ADDITIONAL UNITS CAN BE INSTALLED PARALLEL TO THE UNIT SHOWN.
: ACCESS BETWEEN EVERY 2 PARALLEL CHANNELS IS REQUIRED FOR MODULE REMOVAL – NOTE THE CHANNEL WIDTH AND ENSURE ADEQUATE ACCESS IS PROVIDED BETWEEN TRANSITION BOXES AND CHANNELS.
: ACCESS BETWEEN A MAXIMUM OF 2 CHANNELS IS NOT REQUIRED FOR MODULE REMOVAL. TRANSITION BOXES CAN BE INSTALLED ADJACENT TO EACH OTHER.

TROJANUV

DESCRIPTION: LAYOUT, UV3000PTP–UV3075K 1 CHANNEL 1 BANK 2 LAMPS WEIR	
DRAWN BY : LZ/JMM/SPM	DATE : 12JN21
CHECKED BY : SAH	DATE : 12JN22
APPROVED BY : CAP	DATE : 12JN22
SCALE (8½x11) NOT TO SCALE	LOG NUMBER : N/A

STANDARD DRAWING NO.	3M0509
REFERENCE NO.	N/A
DWG NO.	D01
REV.	D

Financial Report

Edison System

Edison Rev and Exp vs Budget — Report Format 012

Period 8 ending August 31, 2025 — Transaction status 1

Rounding to Whole Dollars

Fnd 150 EDISON CLEAN WTR DIST. SUBA Dpt 0082 EDISON CLEAN WTR DIST. SUBA

		Current Actuals	YTD Actual	2025 BUDGET	Amount Available	Percent Available
Div 000	EDISON CLEAN WTR DIST. SUBAREA					
Typ 003	REVENUES					
150 382001870	ECWDS OPERATING ASSES	52,417-	52,417-	115,000-	62,583-	54.4
150 382006111	ECWDS INVESTMENT INTE	7,173-	7,173-	12,000-	4,827-	40.2
Typ 003	REVENUES	59,590-	59,590-	127,000-	67,410-	53.1
Typ 005	EXPENDITURES					
150 582001100	ECWDS SALARIES AND WA	2,898	2,898	7,898	5,000	63.3
150 582002100	ECWDS SOCIAL SECURITY	198	198	604	406	67.2
150 582002200	ECWDS RETIREMENT	214	214	719	505	70.2
150 582002300	ECWDS LABOR AND INDUS	11	11	20	9	46.5
150 582002400	ECWDS MEDICAL	835	835	1,792	957	53.4
150 582002900	ECWDS UNEMPLOYMENT CO	33	33	89	56	62.5
150 582003510	ECWDS SMALL TOOLS & M			5,000	5,000	100.0
150 582004110	ECWDS PROFESSIONAL SE	36,413	36,413	40,000	3,587	9.0
150 582004128	ECWDS PROF SVCS - OTH	82	82		82-	
150 582004810	ECWDS REPAIRS AND MAI	15,953	15,953	10,000	5,953-	59.5-
150 582004910	ECWDS MISCELLANEOUS	650	650	5,000	4,350	87.0
150 582006410	ECWDS EQUIPMENT > $5,	22,866	22,866	30,000	7,134	23.8
Typ 005	EXPENDITURES	80,154	80,154	101,122	20,968	20.7

GRANT

Edison Rev and Exp vs Budget — Report Format 012

Period 8 ending August 31, 2025 — Transaction status 1

Rounding to Whole Dollars

Fnd 150 EDISON CLEAN WTR DIST. SUBA Dpt 0082 EDISON CLEAN WTR DIST. SUBA

		Current Actuals	YTD Actual	2025 BUDGET	Amount Available	Percent Available
Div 001	PUGET SOUND ACTION AGENDA					
Typ 003	REVENUES					
150 382016612	PSAA EPA-PUGET SOUND	329-	329-	181,180-	180,851-	99.8
Typ 003	REVENUES	329-	329-	181,180-	180,851-	99.8
Typ 005	EXPENDITURES					
150 582011100	PSAA SALARIES AND WAG	1,090	1,090	3,000	1,910	63.7
150 582012100	PSAA SOCIAL SECURITY	81	81		81-	
150 582012200	PSAA RETIREMENT	94	94		94-	
150 582012300	PSAA LABOR AND INDUST	3	3		3-	
150 582012400	PSAA MEDICAL	277	277		277-	
150 582012900	PSAA UNEMPLOYMENT COM	13	13	6	7-	115.8-
150 582014110	PSAA PROFESSIONAL SER	13,102	13,102	110,000	96,898	88.1
150 582014310	PSAA TRAVEL			174	174	100.0
150 582014430	PSAA LEGAL PUBLICATIO	221	221		221-	
150 582016410	PSAA EQUIPMENT > $5,0			68,000	68,000	100.0
Typ 005	EXPENDITURES	14,880	14,880	181,180	166,300	91.8
Fnd 150	EDISON CLEAN WTR DIST. SUBAREA	35,115	35,115	25,878-	60,993-	235.7
	Report Final Totals	35,115	35,115	25,878-	60,993-	235.7

EDISON CONTRACT TRACKING

PER YEAR

Vendor	BAYHILL WASTEWATER	NOTES	BURLINGTON-EDISON	NOTES
Contract #	C20250066		C20250232	
Amendment #	N/A		N/A	
Contract End Date	**March 1, 2026**		**May 1, 2028**	
Vendor #	35287		20162	
GL Code	150.582.00.4110		150.582.00.4810	
	150.582.00.4810			
	150.582.01.4110 (Grant)			
PO #	**PL 6625**		**N/A**	
Contract Amount	**$38,500.00**	$0.00	**$21,000.00**	$0.00
SPENT THRU 2024	**$0.00**	*N/A*	**$0.00**	*N/A*
January	$0.00	N/A	$0.00	N/A
February	$0.00	N/A	$455.36	INV 2024000051 - 4th Quarter Billing 2024
March	$820.00	INV 2025-1 Monthly Rate	$0.00	N/A
April	$820.00	INV 2025-2 Monthly Rate	$0.00	N/A
May	$1,220.00	Monthly Rate $820 + Grant Services $400	$620.10	INV 2024000124 - Q1 Billing 2025
June	$970.00	Monthly Rate $820 + Grant Services $150	$0.00	N/A
July	$1,095.00	Monthly Rate $820 + Grant Services $275	$1,893.25	INV 2024000175 - Q2 Billing 2025
August	$820.00	INV 2025-9	$0.00	N/A
Septemebr	$920.00	Monthly Rate $820 + Grant Services $100	$0.00	N/A
October				
November				
December				
Spent to Date:	$6,665	$0.00	$2,969	$0.00
Remaining Balance:	$31,835.00	$0.00	$18,031.29	$0.00

EDISON CONTRACT TRACKING

EDGE ANALYTICAL	NOTES	THE DRAIN DOCTOR	NOTES
C20230430		C20200737	
N/A		A20240272	
September 30, 2026		**December 31, 2025**	
35249		10947	
150.582.00.4110		150.582.00.4110	
		150.582.00.4810	
N/A		**N/A**	
$40,000.00	$0.00	**$261,000.00**	$0.00
$1,793.00	*N/A*	**$187,179.92**	*N/A*
$120.00	Monthly WWTF Rate	$3,043.30	Monthly Rate $2,833 + Tarp Repair $210.30
$927.00	WWTF $119 + FSC $808	$3,100.00	Monthly Rate $2,833 + Repair $267
$121.00	Monthly WWTF Rate	$2,968.00	Monthly Rate $2,833 + Locate $135
$124.00	Monthly WWTF Rate	$3,617.25	Monthly Rate $2,833 + Repair $784.25
$124.00	Monthly WWTF Rate	$2,833.00	INV 43571 - Monthly Rate $2,833
$1,025.00	WWTF $121 + FSC $904	$5,058.00	Monthly Rate $2,833 + North Pump Replace $2,225
$124.00	Monthly WWTF Rate	$2,833.00	INV 43693 - Monthly Rate $2,833
$0.00	N/A	$12,861.00	Monthly Rate $2.833 + Pumping Main Tanks $10,028
$0.00	PENDING	$2,833.00	INV 44238 - Monthly Rate $2,833

$4,358.00	$0.00	$226,326.47	$0.00
$35,642.00	$0.00	$34,673.53	$0.00

EDISON CONTRACT TRACKING

GRANT FUNDED		PER YEAR		PER YEAR
GRAY & OSBORNE	**NOTES**	**DAHL ELECTRIC**	**NOTES**	**UTILITY LOCATE**
C2025255		C20230104		N/A
N/A		N/A		N/A
April 30, 2026		**December 31, 2025**		**N/A**
C0382		10841		13596
150.582.01.4110		150.582.00.4110		150.582.00.4910
PL 5525		**N/A**		**N/A**
$118,900.00	$0.00	**$15,000.00**		**$20.00**
$0.00	**N/A**	**$0.00**	**N/A**	**$0.00**
$0.00	N/A	$0.00	N/A	$1.32
$0.00	N/A	$0.00	N/A	$0.00
$0.00	N/A	$0.00	N/A	$1.35
$0.00	N/A	$0.00	N/A	$0.00
$0.00	N/A	$0.00	N/A	$1.35
$4,346.93	INV 1 - Site Visit & County Correspondance	$0.00	N/A	$1.35
$7,930.22	INV 2 - County Correspondance & Teams Meeting	$594.04	INV 33863 - North Pump Repair	$0.00
$0.00	N/A	$0.00	N/A	$1.35
$2,654.26	INV 4 - Predisgn Report	$0.00	N/A	$6.75

$14,931.41	$0.00	$594.04	$13.47
$103,968.59	$0.00	$14,405.96	$6.53

EDISON CONTRACT TRACKING

SINGLE PURCHASE		PER YEAR	
PUMP TECH	**CITY OF BURLINGTON**	**RAVENHEAD**	**TOTAL AWARDS**
C20250103	C20200272	C20230500	
N/A	N/A	N/A	
September 1, 2025	**February 28, 2025**	**October 31, 2026**	
12778	10527	C0381	
150.582.00.6410	150.582.00.4110	150.582.00.4110	
FULFILLED	**EXPIRED**	**CANCELLED**	
$30,000.00	**$45,000.00**	**$14,600.00**	$584,020.00
$0.00	**$28,969.49**	$0.00	$217,942.41
$0.00	$723.96	$975.00	$4,863.58
$0.00	$873.51	$975.00	$6,330.87
$0.00	**$692.34**	**$975.00**	$5,577.69
$0.00	$0.00	$0.00	$4,561.25
$0.00	$0.00	$0.00	$4,798.45
$22,866.13	$0.00	$0.00	$34,267.41
$0.00	$0.00	$0.00	$14,469.51
$0.00	$0.00	$0.00	$13,682.35
$0.00	$0.00	$0.00	$6,414.01
$0.00	$0.00	$0.00	$0.00
$0.00	$0.00	$0.00	$0.00
$0.00	$0.00	**$0.00**	$0.00
$0.00			
$22,866.13	$31,259.30	$2,925.00	$312,907.53
$7,133.87	$13,740.70	$11,675.00	$271,112.47

Transaction Detail Report - Actuals Status 1

GL789 Transaction Detail Report - Actuals Status 1

For Date Range 01/01/2025 to 08/31/2025

SS	Ident		Batch	Sheet	Seq	Stat	Per	Date	Description	Trans Amount	Bal Forward
150	28760	UNRESERVED FUND BALANCE									0.00
	GL Yr End		JCG 103393	1	255	3		01/01/25	Balance Forward Set Up	454922.88-	
	GL Yr End		JCG 103393	1	1700	3		01/01/25	Balance Forward Set Up	31423.58-	
			Period Total		00					486346.46-	486346.46-
150	382001870	ECWDS OPERATING ASSESSMENTS									0.00
	GL 211474		CRT 102614	2	45	3	2	02/18/25	PACS PAYMENTS FEB 10-17	60.00-	
	GL 215827		CRT 102680	2	56	3	2	02/28/25	PACS PAYMENTS	3215.00-	
			Period Total		02					3275.00-	3275.00-
	GL 218443		CRT 102738	2	60	3	3	03/10/25	MAR 1-9 PAYMENTS	547.00-	
	GL 221383		CRT 102818	2	202	3	3	03/20/25	MARCH 10-16 PAYMENTS	1914.50-	
	GL 221653		CRT 102848	2	56	3	3	03/24/25	PACS PAYMENTS	60.00-	
	GL 225233		CRT 102873	2	60	3	3	03/31/25	PACS MARCH 24-31 PAYMENTS	2101.75-	
			Period Total		03					4623.25-	7898.25-
	GL 229280		CRT 102987	2	60	3	4	04/14/25	PAC PAYMENTS	607.00-	
	GL 231092		CRT 103015	2	60	3	4	04/21/25	PACS PAYMENTS	4945.06-	
	GL 232573		CRT 103063	2	57	3	4	04/25/25	PACS PAYMENTS	2248.00-	
	GL 235085		CRT 103075	2	60	3	4	04/30/25	PACS PAYMENTS APRIL 25-30	30325.88-	
			Period Total		04					38125.94-	46024.19-
	GL 236056		CRT 103109	2	58	3	5	05/05/25	PACS PAYMENTS	1441.00-	
	GL 238585		CRT 103148	2	60	3	5	05/12/25	PACS PAYMENTS	547.00	
	GL 242652		CRT 103224	2	47	3	5	05/27/25	PACS PAYMENTS	1641.00-	
	GL 244756		CRT 103234	2	56	3	5	05/30/25	PACS MAY 26-31 PAYMENTS	2214.50-	
			Period Total		05					4749.50-	50773.69-
	GL 249527		CRT 103295	2	58	3	6	06/16/25	PACS PAYMENTS	1641.00-	
			Period Total		06					1641.00-	52414.69-
	GL 272801		CRT 103716	2	48	2	8	08/29/25	PACS PAYMENTS	2.32-	
			Period Total		08					2.32-	52417.01-
150	382006111	ECWDS INVESTMENT INTEREST									0.00
	GL 023141		INI 102314	1	86	3	1	01/01/25	SymPro Inv # 15000 Interest Re	900.74-	
			Period Total		01					900.74-	900.74-
	GL 025511		INI 102551	1	66	3	2	02/01/25	SymPro Inv # 15000 Interest Re	898.19-	
			Period Total		02					898.19-	1798.93-
	GL 027181		INI 102718	1	70	3	3	03/01/25	SymPro Inv # 15000 Interest Re	857.15-	
			Period Total		03					857.15-	2656.08-
	GL 029901		INI 102990	1	122	3	4	04/01/25	SymPro Inv # 15000 Interest Re	902.04-	
			Period Total		04					902.04-	3558.12-
	GL 031601		INI 103160	1	120	3	5	05/01/25	SymPro Inv # 15000 Interest Re	893.01-	
			Period Total		05					893.01-	4451.13-
	GL 032631		INI 103263	1	68	3	6	06/01/25	SymPro Inv # 15000 Interest Re	907.89-	

SS ------- Ident --------		Batch	Sheet	Seq	Stat	Per	Date	------ Description ----------	Trans Amount	Bal Forward
		Period Total				06			907.89-	5359.02-
GL 034251		INI 103425	1	104	3	7	07/01/25	SymPro Inv # 15000 Interest Re	896.03-	
		Period Total				07			896.03-	6255.05-
GL 036221		INI 103622	1	52	2	8	08/01/25	SymPro Inv # 15000 Interest Re	918.03-	
		Period Total				08			918.03-	7173.08-
150 382016612	PSAA EPA-PUGET SOUND ACTION AG									0.00
GL 200240	GRANT	CR 102328	1	275	3	1	01/13/25	DOH GRANT - EDISON	409.00-	
		Period Total				01			409.00-	409.00-
GL 027411		JDR 102741	1	7	3	2	02/15/25	Reverse 2024 accrual	378.82	
		Period Total				02			378.82	30.18-
GL 240685		CR 103178	1	265	3	5	05/19/25	Grant Reimbursement	78.00-	
		Period Total				05			78.00-	108.18-
GL 254297		CR 103373	1	184	3	7	07/01/25	Grant Reimbursement	220.58-	
		Period Total				07			220.58-	328.76-
150 582001100	ECWDS SALARIES AND WAGES									0.00
PA 8108	S R	PRL 108617	79	1	3	1	01/07/25	PILON, LAVELLE	59.38	
PA 8108	S R	PRL 108735	77	1	3	1	01/31/25	PILON, LAVELLE	118.76	
		Period Total				01			178.14	178.14
PA 8064	S R	PRL 108854	54	1	3	2	02/05/25	ROZEMA, ALLEN	472.91	
PA 8108	S R	PRL 108854	98	1	3	2	02/05/25	PILON, LAVELLE	59.38	
PA 8108	S R	PRL 108854	99	1	3	2	02/11/25	PILON, LAVELLE	29.69	
PA 8108	S R	PRL 108958	85	1	3	2	02/19/25	PILON, LAVELLE	59.38	
PA 8108	S R	PRL 108958	86	1	3	2	02/26/25	PILON, LAVELLE	118.76	
PA 8064	S R	PRL 108958	88	1	3	2	02/26/25	ROZEMA, ALLEN	236.46	
PA 8064	S R	PRL 108958	89	1	3	2	02/26/25	ROZEMA, ALLEN	236.46-	
		Period Total				02			740.12	918.26
PA 8064	S R	PRL 109078	55	1	3	3	03/15/25	ROZEMA, ALLEN	59.11	
PA 8108	S R	PRL 109205	56	1	3	3	03/31/25	PILON, LAVELLE	237.52	
		Period Total				03			296.63	1214.89
PA 8108	S R	PRL 109468	70	1	3	4	04/30/25	PILON, LAVELLE	237.52	
		Period Total				04			237.52	1452.41
PA 8108	S R	PRL 109601	73	1	3	5	05/06/25	PILON, LAVELLE	59.38	
PA 8108	S R	PRL 109713	94	1	3	5	05/31/25	PILON, LAVELLE	118.76	
		Period Total				05			178.14	1630.55
PA 8064	S R	PRL 109961	103	1	3	6	06/25/25	ROZEMA, ALLEN	122.37	
PA 8108	S R	PRL 109961	102	1	3	6	06/30/25	PILON, LAVELLE	118.76	
		Period Total				06			241.13	1871.68
PA 7740	S R	PRL 110298	70	1	3	7	07/31/25	LANGLEY, ERIN	442.44	

SS ------- Ident --------		Batch	Sheet	Seq	Stat	Per	Date	------ Description ----------	Trans Amount	Bal Forward
PA 8108	S R	PRL 110298	80	1	3	7	07/31/25	PILON, LAVELLE	184.38	
		Period Total	07						626.82	2498.50
PA 8108	S R	PRL 110405	92	1	2	8	08/15/25	PILON, LAVELLE	245.84	
PA 8108	S R	PRL 110551	72	1	2	8	08/31/25	PILON, LAVELLE	153.65	
		Period Total	08						399.49	2897.99
150 582002100	ECWDS SOCIAL SECURITY									0.00
PA	S R	PRL 108685	80000	2756	3	1	01/24/25	ECWDS SOCIAL SECURITY	4.37	
		Period Total	01						4.37	4.37
PA	S R	PRL 108809	80000	2822	3	2	02/10/25	ECWDS SOCIAL SECURITY	8.42	
PA	S R	PRL 108921	80000	2537	3	2	02/25/25	ECWDS SOCIAL SECURITY	41.99	
		Period Total	02						50.41	54.78
PA	S R	PRL 109047	80000	2760	3	3	03/10/25	ECWDS SOCIAL SECURITY	12.15	
PA	S R	PRL 109169	80000	2709	3	3	03/25/25	ECWDS SOCIAL SECURITY	4.42	
		Period Total	03						16.57	71.35
PA	S R	PRL 109292	80000	2853	3	4	04/10/25	ECWDS SOCIAL SECURITY	16.36	
		Period Total	04						16.36	87.71
PA	S R	PRL 109551	80000	2792	3	5	05/09/25	ECWDS SOCIAL SECURITY	17.47	
PA	S R	PRL 109674	80000	2636	3	5	05/23/25	ECWDS SOCIAL SECURITY	4.37	
		Period Total	05						21.84	109.55
PA	S R	PRL 109802	80000	2921	3	6	06/10/25	ECWDS SOCIAL SECURITY	8.19	
		Period Total	06						8.19	117.74
PA	S R	PRL 110085	80000	3087	3	7	07/10/25	ECWDS SOCIAL SECURITY	17.38	
		Period Total	07						17.38	135.12
PA	S R	PRL 110368	80000	3588	2	8	08/08/25	ECWDS SOCIAL SECURITY	45.12	
PA	S R	PRL 110518	80000	2998	2	8	08/25/25	ECWDS SOCIAL SECURITY	18.11	
		Period Total	08						63.23	198.35
150 582002200	ECWDS RETIREMENT									0.00
PA	S R	PRL 108685	80000	2757	3	1	01/24/25	ECWDS RETIREMENT	5.40	
		Period Total	01						5.40	5.40
PA	S R	PRL 108809	80000	2823	3	2	02/10/25	ECWDS RETIREMENT	10.39	
PA	S R	PRL 108921	80000	2538	3	2	02/25/25	ECWDS RETIREMENT	51.19	
		Period Total	02						61.58	66.98
PA	S R	PRL 109047	80000	2761	3	3	03/10/25	ECWDS RETIREMENT	15.10	
PA	S R	PRL 109169	80000	2710	3	3	03/25/25	ECWDS RETIREMENT	5.37	
		Period Total	03						20.47	87.45
PA	S R	PRL 109292	80000	2854	3	4	04/10/25	ECWDS RETIREMENT	20.26	
		Period Total	04						20.26	107.71

SS	------- Ident --------		Batch	Sheet	Seq	Stat	Per	Date	------ Description ----------	Trans Amount	Bal Forward
PA		S R	PRL 109551	80000	2793	3	5	05/09/25	ECWDS RETIREMENT	21.64	
PA		S R	PRL 109674	80000	2637	3	5	05/23/25	ECWDS RETIREMENT	5.40	
			Period Total				05			27.04	134.75
PA		S R	PRL 109802	80000	2922	3	6	06/10/25	ECWDS RETIREMENT	10.14	
			Period Total				06			10.14	144.89
PA		S R	PRL 110085	80000	3088	3	7	07/10/25	ECWDS RETIREMENT	21.30	
			Period Total				07			21.30	166.19
PA		S R	PRL 110368	80000	3589	2	8	08/08/25	ECWDS RETIREMENT	34.37	
PA		S R	PRL 110518	80000	2999	2	8	08/25/25	ECWDS RETIREMENT	13.72	
			Period Total				08			48.09	214.28
150	582002300	ECWDS LABOR AND INDUSTRIES									0.00
PA		S R	PRL 108685	80000	2758	3	1	01/24/25	ECWDS LABOR AND INDUSTRIES	0.27	
			Period Total				01			0.27	0.27
PA		S R	PRL 108809	80000	2824	3	2	02/10/25	ECWDS LABOR AND INDUSTRIES	0.46	
PA		S R	PRL 108921	80000	2539	3	2	02/25/25	ECWDS LABOR AND INDUSTRIES	1.56	
			Period Total				02			2.02	2.29
PA		S R	PRL 109047	80000	2762	3	3	03/10/25	ECWDS LABOR AND INDUSTRIES	0.80	
PA		S R	PRL 109169	80000	2711	3	3	03/25/25	ECWDS LABOR AND INDUSTRIES	0.14	
			Period Total				03			0.94	3.23
PA		S R	PRL 109292	80000	2855	3	4	04/10/25	ECWDS LABOR AND INDUSTRIES	1.18	
			Period Total				04			1.18	4.41
PA		S R	PRL 109551	80000	2794	3	5	05/09/25	ECWDS LABOR AND INDUSTRIES	1.21	
PA		S R	PRL 109674	80000	2638	3	5	05/23/25	ECWDS LABOR AND INDUSTRIES	0.27	
			Period Total				05			1.48	5.89
PA		S R	PRL 109802	80000	2923	3	6	06/10/25	ECWDS LABOR AND INDUSTRIES	0.54	
			Period Total				06			0.54	6.43
PA		S R	PRL 110085	80000	3089	3	7	07/10/25	ECWDS LABOR AND INDUSTRIES	0.82	
			Period Total				07			0.82	7.25
PA		S R	PRL 110368	80000	3590	2	8	08/08/25	ECWDS LABOR AND INDUSTRIES	2.25	
PA		S R	PRL 110518	80000	3000	2	8	08/25/25	ECWDS LABOR AND INDUSTRIES	1.21	
			Period Total				08			3.46	10.71
150	582002400	ECWDS MEDICAL									0.00
PA		S R	PRL 108685	80000	2759	3	1	01/24/25	ECWDS MEDICAL	41.31	
			Period Total				01			41.31	41.31
PA		S R	PRL 108809	80000	2825	3	2	02/10/25	ECWDS MEDICAL	36.40	
PA		S R	PRL 108921	80000	2540	3	2	02/25/25	ECWDS MEDICAL	118.11	
			Period Total				02			154.51	195.82

SS	------- Ident --------		Batch	Sheet	Seq	Stat	Per	Date	------ Description ----------	Trans Amount	Bal Forward
PA		S R	PRL 109047	80000	2763	3	3	03/10/25	ECWDS MEDICAL	63.52	
PA		S R	PRL 109169	80000	2712	3	3	03/25/25	ECWDS MEDICAL	10.46	
			Period	Total	03					73.98	269.80
PA		S R	PRL 109292	80000	2856	3	4	04/10/25	ECWDS MEDICAL	77.44	
			Period	Total	04					77.44	347.24
PA		S R	PRL 109551	80000	2795	3	5	05/09/25	ECWDS MEDICAL	82.72	
PA		S R	PRL 109674	80000	2639	3	5	05/23/25	ECWDS MEDICAL	20.66	
			Period	Total	05					103.38	450.62
PA		S R	PRL 109802	80000	2924	3	6	06/10/25	ECWDS MEDICAL	38.77	
			Period	Total	06					38.77	489.39
PA		S R	PRL 110085	80000	3090	3	7	07/10/25	ECWDS MEDICAL	59.79	
			Period	Total	07					59.79	549.18
PA		S R	PRL 110368	80000	3591	2	8	08/08/25	ECWDS MEDICAL	202.76	
PA		S R	PRL 110518	80000	3001	2	8	08/25/25	ECWDS MEDICAL	82.72	
			Period	Total	08					285.48	834.66
150	582002900		ECWDS UNEMPLOYMENT COMPENSATIO								0.00
PA		S R	PRL 108685	80000	2760	3	1	01/24/25	ECWDS UNEMPLOYMENT COMPENSATIO	0.75	
			Period	Total	01					0.75	0.75
PA		S R	PRL 108809	80000	2826	3	2	02/10/25	ECWDS UNEMPLOYMENT COMPENSATIO	1.25	
PA		S R	PRL 108921	80000	2541	3	2	02/25/25	ECWDS UNEMPLOYMENT COMPENSATIO	7.09	
			Period	Total	02					8.34	9.09
PA		S R	PRL 109047	80000	2764	3	3	03/10/25	ECWDS UNEMPLOYMENT COMPENSATIO	2.09	
PA		S R	PRL 109169	80000	2713	3	3	03/25/25	ECWDS UNEMPLOYMENT COMPENSATIO	0.52	
			Period	Total	03					2.61	11.70
PA		S R	PRL 109292	80000	2857	3	4	04/10/25	ECWDS UNEMPLOYMENT COMPENSATIO	2.80	
			Period	Total	04					2.80	14.50
PA		S R	PRL 109551	80000	2796	3	5	05/09/25	ECWDS UNEMPLOYMENT COMPENSATIO	3.00	
PA		S R	PRL 109674	80000	2640	3	5	05/23/25	ECWDS UNEMPLOYMENT COMPENSATIO	0.70	
			Period	Total	05					3.70	18.20
PA		S R	PRL 109802	80000	2925	3	6	06/10/25	ECWDS UNEMPLOYMENT COMPENSATIO	1.40	
			Period	Total	06					1.40	19.60
PA		S R	PRL 110085	80000	3091	3	7	07/10/25	ECWDS UNEMPLOYMENT COMPENSATIO	2.94	
			Period	Total	07					2.94	22.54
PA		S R	PRL 110368	80000	3592	2	8	08/08/25	ECWDS UNEMPLOYMENT COMPENSATIO	7.77	
PA		S R	PRL 110518	80000	3002	2	8	08/25/25	ECWDS UNEMPLOYMENT COMPENSATIO	3.10	
			Period	Total	08					10.87	33.41
150	582004110		ECWDS PROFESSIONAL SERVICES								0.00

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AP	594749 C0381 RAVENHEAD M	A/P 153398	4	1	3	1	01/22/25	RAVENHEADMUN C20230500	975.00	
AP	594978 10947 THE DRAIN D	A/P 153398	6	1	3	1	01/22/25	DRAIN DOCTOR C20200737 - A2024	2833.00	
		Period	Total	01					3808.00	3808.00
GL	025941	IGT 102594	1	1	3	2	02/18/25	Correct GL to use for INV	723.96	
GL	025941	IGT 102594	1	2	3	2	02/18/25	Correct GL to use for INV	120.00	
		Period	Total	02					843.96	4651.96
AP	597065 20162 BURLINGTON	A/P 153905	2	1	3	3	03/07/25	BURLINGTON C20220559 Edison Su	455.36	
AP	597080 10527 CITY OF BUR	A/P 153905	3	1	3	3	03/07/25	BURL CITY C20200272 Edison Sub	873.51	
AP	597120 11061 EDGE ANALYT	A/P 153905	4	1	3	3	03/07/25	EDGEANALYTIC C20230430 SKA13	808.00	
AP	597120 11061 EDGE ANALYT	A/P 153905	5	1	3	3	03/07/25	EDGEANALYTIC C20230430 SKA13	119.00	
AP	597143 C0381 RAVENHEAD M	A/P 153905	6	1	3	3	03/07/25	RAVENHEADMUN C20230500	975.00	
AP	597334 10947 THE DRAIN D	A/P 153905	7	1	3	3	03/07/25	DRAIN DOCTOR C20200737 A202402	2833.00	
		Period	Total	03					6063.87	10715.83
AP	598572 10527 CITY OF BUR	A/P 154197	1	1	3	4	04/01/25	BURL CITY C20200272 - Edison	692.34	
AP	598615 11061 EDGE ANALYT	A/P 154197	2	1	3	4	04/01/25	EDGEANALYTIC C20230430 SKA13	121.00	
AP	598844 10947 THE DRAIN D	A/P 154197	4	1	3	4	04/01/25	DRAIN DOCTOR C20200737 A202402	2833.00	
AP	599275 C0381 RAVENHEAD M	A/P 154385	1	1	3	4	04/16/25	RAVENHEADMUN C20230500 Final P	975.00	
		Period	Total	04					4621.34	15337.17
AP	600324 11061 EDGE ANALYT	A/P 154568	1	1	3	5	05/05/25	EDGEANALYTIC C20230430 SKA13	124.00	
AP	600264 35287 BAYHILL WAS	A/P 154568	4	1	3	5	05/05/25	BAYHILLWASTE C20250066 PO: PL6	820.00	
AP	600264 35287 BAYHILL WAS	A/P 154568	5	1	3	5	05/05/25	BAYHILLWASTE C20250066 PO: PL6	820.00	
AP	600504 10947 THE DRAIN D	A/P 154568	6	1	3	5	05/05/25	DRAIN DOCTOR C20200737 A202402	2833.00	
AP	601939 35287 BAYHILL WAS	A/P 154842	1	1	3	5	05/29/25	BAYHILLWASTE C20250066 PO: PL6	820.00	
AP	602013 35249 EUROFINS EN	A/P 154842	4	1	3	5	05/29/25	EUROFINS C20230430 SKA13	124.00	
AP	602230 10947 THE DRAIN D	A/P 154842	5	1	3	5	05/29/25	DRAIN DOCTOR C20200737 A202402	2833.00	
		Period	Total	05					8374.00	23711.17
AP	602690 35249 EUROFINS EN	A/P 155124	3	1	3	6	06/23/25	EUROFINS C20230430 SKA13	121.00	
AP	602690 35249 EUROFINS EN	A/P 155124	4	1	3	6	06/23/25	EUROFINS C20230430 SKA13	904.00	
AP	602905 10947 THE DRAIN D	A/P 155124	6	1	3	6	06/23/25	DRAIN DOCTOR C20200737 A202402	2833.00	
AP	602616 35287 BAYHILL WAS	A/P 155124	17	1	3	6	06/23/25	BAYHILLWASTE C20250066 PO: PL6	820.00	
		Period	Total	06					4678.00	28389.17
AP	603956 35249 EUROFINS EN	A/P 155406	4	1	3	7	07/17/25	EUROFINS C20230430 SKA13	124.00	
AP	604108 10947 THE DRAIN D	A/P 155406	5	1	3	7	07/17/25	DRAIN DOCTOR C20200737 A202402	2833.00	
AP	603937 10841 DAHL ELECTR	A/P 155406	7	1	3	7	07/17/25	DAHL ELEC C20230104	594.04	
AP	603903 35287 BAYHILL WAS	A/P 155406	10	1	3	7	07/17/25	BAYHILLWASTE C20250066 PO: PL6	820.00	
		Period	Total	07					4371.04	32760.21
AP	605224 35287 BAYHILL WAS	A/P 155673	7	1	2	8	08/13/25	BAYHILLWASTE C20250066 PO: PL6	820.00	
AP	605484 10947 THE DRAIN D	A/P 155673	9	1	2	8	08/13/25	DRAIN DOCTOR C20200737 A202402	2833.00	
		Period	Total	08					3653.00	36413.21
150	582004128 ECWDS PROF SVCS - OTHER									0.00
GL	023141	INI 102314	1	429	3	1	01/01/25	SymPro Inv # 15000 Earnings Al	10.06	
		Period	Total	01					10.06	10.06

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GL	025511	INI 102551	1	391	3	2	02/01/25	SymPro Inv # 15000 Earnings Al	10.09	
		Period Total	02						10.09	20.15
GL	027181	INI 102718	1	399	3	3	03/01/25	SymPro Inv # 15000 Earnings Al	9.15	
		Period Total	03						9.15	29.30
GL	029901	INI 102990	1	447	3	4	04/01/25	SymPro Inv # 15000 Earnings Al	10.17	
		Period Total	04						10.17	39.47
GL	031601	INI 103160	1	445	3	5	05/01/25	SymPro Inv # 15000 Earnings Al	9.88	
		Period Total	05						9.88	49.35
GL	032631	INI 103263	1	393	3	6	06/01/25	SymPro Inv # 15000 Earnings Al	10.98	
		Period Total	06						10.98	60.33
GL	034251	INI 103425	1	427	3	7	07/01/25	SymPro Inv # 15000 Earnings Al	10.67	
		Period Total	07						10.67	71.00
GL	036221	INI 103622	1	377	2	8	08/01/25	SymPro Inv # 15000 Earnings Al	11.06	
		Period Total	08						11.06	82.06
150	582004810 ECWDS REPAIRS AND MAINTENANCE									0.00
AP	594691 10527 CITY OF BUR	A/P 153398	2	1	3	1	01/22/25	BURL CITY C20200272	723.96	
AP	594720 11061 EDGE ANALYT	A/P 153398	3	1	3	1	01/22/25	EDGEANALYTIC C20230430	120.00	
AP	594978 10947 THE DRAIN D	A/P 153398	5	1	3	1	01/22/25	DRAIN DOCTOR C20200737-A202402	210.30	
		Period Total	01						1054.26	1054.26
GL	025341	IGT 102534	1	42	3	2	02/14/25	reverse 2024 accruals	210.30-	
GL	025941	IGT 102594	1	3	3	2	02/18/25	Wrong GL to use for INV	723.96-	
GL	025941	IGT 102594	1	4	3	2	02/18/25	Wrong GL to use for INV	120.00-	
		Period Total	02						1054.26-	0.00
AP	598844 10947 THE DRAIN D	A/P 154197	3	1	3	4	04/01/25	DRAIN DOCTOR C20200737 A202402	267.00	
AP	598844 10947 THE DRAIN D	A/P 154197	5	1	3	4	04/01/25	DRAIN DOCTOR C20200737 A202402	135.00	
		Period Total	04						402.00	402.00
AP	600504 10947 THE DRAIN D	A/P 154568	7	1	3	5	05/05/25	DRAIN DOCTOR C20200737 A202402	784.25	
AP	601953 20162 BURLINGTON	A/P 154842	3	1	3	5	05/29/25	BURLINGTON C20250232	620.10	
		Period Total	05						1404.35	1806.35
AP	602905 10947 THE DRAIN D	A/P 155124	7	1	3	6	06/23/25	DRAIN DOCTOR C20200737 A202402	2225.00	
		Period Total	06						2225.00	4031.35
AP	603909 20162 BURLINGTON	A/P 155406	3	1	3	7	07/17/25	BURLINGTON C20250232	1893.25	
		Period Total	07						1893.25	5924.60
AP	606045 10947 THE DRAIN D	A/P 155795	3	1	2	8	08/25/25	DRAIN DOCTOR C20200737 - A2024	10028.00	
		Period Total	08						10028.00	15952.60
150	582004910 ECWDS MISCELLANEOUS									0.00
AP	594992 13596 UTILITIES U	A/P 153398	7	1	3	1	01/22/25	UTILITIES U Edison Subarea	1.32	

SS	------- Ident --------	Batch	Sheet	Seq	Stat	Per	Date	------ Description ----------	Trans Amount	Bal Forward
	Period	Total	01						1.32	1.32
GL	025341	IGT 102534	1	43	3	2	02/14/25	reverse 2024 accruals	1.32-	
	Period	Total	02						1.32-	0.00
AP	600526 13596 UTILITIES U	A/P 154568	2	1	3	5	05/05/25	UTILITIES U Edison Subarea	1.35	
	Period	Total	05						1.35	1.35
AP	602927 13596 UTILITIES U	A/P 155124	8	1	3	6	06/23/25	UTILITIES U Edison Subarea	1.35	
	Period	Total	06						1.35	2.70
AP	604123 13596 UTILITIES U	A/P 155406	8	1	3	7	07/17/25	UTILITIES U Edison Subarea	1.35	
	Period	Total	07						1.35	4.05
AP	605505 13596 UTILITIES U	A/P 155673	6	1	2	8	08/13/25	UTILITIES U Edison Subarea	1.35	
AP	605516 32612 WA ST DEPT	A/P 155673	8	1	2	8	08/13/25	WA ST DOE Permit # ST0045515	645.00	
	Period	Total	08						646.35	650.40
150	582006410 ECWDS EQUIPMENT > $5,000									0.00
AP	602843 12778 PUMPTECH LL	A/P 155124	5	1	3	6	06/23/25	PUMPTECHLLC C20250103	22866.13	
	Period	Total	06						22866.13	22866.13
150	582011100 PSAA SALARIES AND WAGES									0.00
PA	7740 GRANT S R	PRL 108617	59	1	3	1	01/10/25	LANGLEY, ERIN	46.12	
	Period	Total	01						46.12	46.12
PA	7740 S R	PRL 109205	44	1	3	3	03/31/25	LANGLEY, ERIN	286.38	
	Period	Total	03						286.38	332.50
PA	7740 S R	PRL 109312	66	1	3	4	04/15/25	LANGLEY, ERIN	95.46	
PA	7740 S R	PRL 109468	61	1	3	4	04/30/25	LANGLEY, ERIN	47.73	
	Period	Total	04						143.19	475.69
PA	7740 S R	PRL 109961	80	1	3	6	06/30/25	LANGLEY, ERIN	467.02	
	Period	Total	06						467.02	942.71
PA	7740 S R	PRL 110099	55	1	3	7	07/02/25	LANGLEY, ERIN	49.16	
PA	7740 S R	PRL 110298	71	1	3	7	07/31/25	LANGLEY, ERIN	98.32	
	Period	Total	07						147.48	1090.19
150	582012100 PSAA SOCIAL SECURITY									0.00
PA	GRANT S R	PRL 108685 80000	2761	3		1	01/24/25	PSAA SOCIAL SECURITY	3.43	
	Period	Total	01						3.43	3.43
PA	S R	PRL 109292 80000	2858	3		4	04/10/25	PSAA SOCIAL SECURITY	21.26	
PA	S R	PRL 109420 80000	2977	3		4	04/25/25	PSAA SOCIAL SECURITY	7.08	
	Period	Total	04						28.34	31.77
PA	S R	PRL 109551 80000	2797	3		5	05/09/25	PSAA SOCIAL SECURITY	3.55	
	Period	Total	05						3.55	35.32

SS	------- Ident --------		Batch	Sheet	Seq	Stat	Per	Date	------ Description ----------	Trans Amount	Bal Forward
PA		S R	PRL 110085	80000	3092	3	7	07/10/25	PSAA SOCIAL SECURITY	34.57	
PA		S R	PRL 110234	80000	2950	3	7	07/25/25	PSAA SOCIAL SECURITY	3.67	
			Period Total		07					38.24	73.56
PA		S R	PRL 110368	80000	3593	2	8	08/08/25	PSAA SOCIAL SECURITY	7.18	
			Period Total		08					7.18	80.74
150	582012200	PSAA RETIREMENT									0.00
PA	GRANT	S R	PRL 108685	80000	2762	3	1	01/24/25	PSAA RETIREMENT	4.21	
			Period Total		01					4.21	4.21
PA		S R	PRL 109292	80000	2859	3	4	04/10/25	PSAA RETIREMENT	26.10	
PA		S R	PRL 109420	80000	2978	3	4	04/25/25	PSAA RETIREMENT	8.69	
			Period Total		04					34.79	39.00
PA		S R	PRL 109551	80000	2798	3	5	05/09/25	PSAA RETIREMENT	4.36	
			Period Total		05					4.36	43.36
PA		S R	PRL 110085	80000	3093	3	7	07/10/25	PSAA RETIREMENT	42.53	
PA		S R	PRL 110234	80000	2951	3	7	07/25/25	PSAA RETIREMENT	2.74	
			Period Total		07					45.27	88.63
PA		S R	PRL 110368	80000	3594	2	8	08/08/25	PSAA RETIREMENT	5.48	
			Period Total		08					5.48	94.11
150	582012300	PSAA LABOR AND INDUSTRIES									0.00
PA	GRANT	S R	PRL 108685	80000	2763	3	1	01/24/25	PSAA LABOR AND INDUSTRIES	0.13	
			Period Total		01					0.13	0.13
PA		S R	PRL 109292	80000	2860	3	4	04/10/25	PSAA LABOR AND INDUSTRIES	0.71	
PA		S R	PRL 109420	80000	2979	3	4	04/25/25	PSAA LABOR AND INDUSTRIES	0.13	
			Period Total		04					0.84	0.97
PA		S R	PRL 109551	80000	2799	3	5	05/09/25	PSAA LABOR AND INDUSTRIES	0.13	
			Period Total		05					0.13	1.10
PA		S R	PRL 110085	80000	3094	3	7	07/10/25	PSAA LABOR AND INDUSTRIES	1.29	
PA		S R	PRL 110234	80000	2952	3	7	07/25/25	PSAA LABOR AND INDUSTRIES	0.02	
			Period Total		07					1.31	2.41
PA		S R	PRL 110368	80000	3595	2	8	08/08/25	PSAA LABOR AND INDUSTRIES	0.30	
			Period Total		08					0.30	2.71
150	582012400	PSAA MEDICAL									0.00
PA	GRANT	S R	PRL 108685	80000	2764	3	1	01/24/25	PSAA MEDICAL	23.15	
			Period Total		01					23.15	23.15
PA		S R	PRL 109292	80000	2861	3	4	04/10/25	PSAA MEDICAL	58.77	
PA		S R	PRL 109420	80000	2980	3	4	04/25/25	PSAA MEDICAL	31.60	
			Period Total		04					90.37	113.52

GL789 Transaction Detail Report - Actuals Status 1

For Date Range 01/01/2025 to 08/31/2025

SS	------- Ident --------		Batch	Sheet	Seq	Stat	Per	Date	------ Description ----------	Trans Amount	Bal Forward
PA		S R	PRL 109551	80000	2800	3	5	05/09/25	PSAA MEDICAL	10.58	
			Period	Total	05					10.58	124.10
PA		S R	PRL 110085	80000	3095	3	7	07/10/25	PSAA MEDICAL	110.25	
PA		S R	PRL 110234	80000	2953	3	7	07/25/25	PSAA MEDICAL	9.47	
			Period	Total	07					119.72	243.82
PA		S R	PRL 110368	80000	3596	2	8	08/08/25	PSAA MEDICAL	33.16	
			Period	Total	08					33.16	276.98
150 582012900			PSAA UNEMPLOYMENT COMPENSATION								0.00
PA	GRANT	S R	PRL 108685	80000	2765	3	1	01/24/25	PSAA UNEMPLOYMENT COMPENSATION	0.56	
			Period	Total	01					0.56	0.56
PA		S R	PRL 109292	80000	2862	3	4	04/10/25	PSAA UNEMPLOYMENT COMPENSATION	3.00	
PA		S R	PRL 109420	80000	2981	3	4	04/25/25	PSAA UNEMPLOYMENT COMPENSATION	1.10	
			Period	Total	04					4.10	4.66
PA		S R	PRL 109551	80000	2801	3	5	05/09/25	PSAA UNEMPLOYMENT COMPENSATION	0.54	
			Period	Total	05					0.54	5.20
PA		S R	PRL 110085	80000	3096	3	7	07/10/25	PSAA UNEMPLOYMENT COMPENSATION	5.89	
PA		S R	PRL 110234	80000	2954	3	7	07/25/25	PSAA UNEMPLOYMENT COMPENSATION	0.62	
			Period	Total	07					6.51	11.71
PA		S R	PRL 110368	80000	3597	2	8	08/08/25	PSAA UNEMPLOYMENT COMPENSATION	1.24	
			Period	Total	08					1.24	12.95
	GRANT										
150 582014110			PSAA PROFESSIONAL SERVICES								0.00
AP	601939 35287	BAYHILL WAS A/P	154842	2	1	3	5	05/29/25	BAYHILLWASTE C20250066 PO: PL6	400.00	
			Period	Total	05					400.00	400.00
AP	602616 35287	BAYHILL WAS A/P	155124	18	1	3	6	06/23/25	BAYHILLWASTE C20250066 PO: PL6	150.00	
			Period	Total	06					150.00	550.00
AP	603903 35287	BAYHILL WAS A/P	155406	2	1	3	7	07/17/25	BAYHILLWASTE C20250066 PO: PL6	275.00	
AP	603969 C0382	GRAY & OSBO A/P	155406	6	1	3	7	07/17/25	C20250255 PO: PL5525	4346.93	
AP	603969 C0382	GRAY & OSBO A/P	155406	11	1	3	7	07/17/25	C20250255 PO: PL5525	7930.22	
			Period	Total	07					12552.15	13102.15
	GRANT										
150 582014430			PSAA LEGAL PUBLICATIONS								0.00
AP	598782 35013	SKAGIT PUBL A/P	154197	15	1	3	4	04/01/25	SKAGITPUBLIS AD# 619055	220.58	
			Period	Total	04					220.58	220.58

Total Debits : 97,252.07 Total Credits : 548,483.17-

UTILITIES UNDERGROUND LOCATION CENTER.
Remittance Address
P.O. Box 3701
Seattle, WA 98124-3701
(410) 712-0082

Invoice No.	5080309
Invoice Date	08/31/2025
Month of Service	August
Billing Code	CLNWTR1
Account Number	150800
PO #	

EDISON CLEAN WATER DISTRICT
LAVELLE PILON
1800 CONTINENTAL PLACE
MOUNT VERNON, WA 98273

Current costs associated with your participation in UTILITIES UNDERGROUND LOCATION CENTER.

Description	Amount
Excavation Notifications for the month: 5	$6.75
Voice Ticket Delivery: 5 at $0.00	$0.00
TOTAL:	$6.75

District Code	Tickets		District Code	Tickets		District Code	Tickets		District Code	Tickets		District Code	Tickets	
CLNWTR01	5													

If you would like to pay by ACH/EFT, please email Melissa Jackson at melissajackson@occinc.com.
Please send all ACH / EFT remittances to:
payments@occinc.com

REMITTANCE COPY

Company Name:	EDISON CLEAN WATER DISTRICT
Account Number:	150800
Invoice Number:	5080309
Invoice Date:	08/31/2025
Amount Due:	$6.75

Make Check Payable to: **Utilities Underground Location Center**
PO Box 3701
Seattle, WA 98124-3701

Gray & Osborne, Inc.
CONSULTING ENGINEERS

MEMORANDUM

TO: ERIN LANGLEY, SENIOR NATURAL RESOURCE PLANNER
FROM: JAY SWIFT, P.E.
DATE: AUGUST 26, 2025
SUBJECT: INVOICE 3 AND MONTHLY REPORT – UV DISINFECTION UPGRADE COUNTY SKAGIT COUNTY, WASHINGTON G&O #25476.00

Enclosed are an invoice and monthly report for Pretreatment Program Delegation Support for the period of July 13, 2025 to August 9, 2025. The following table summarizes the budget status.

Budget Item	Total
Contract Authorized Budget	$118,900.00
Previous Billing	$12,277.15
Current Invoice (3)	$12,150.22
Total Billed Amount	$24,427.37
Remaining Budget	$94,472.63

We have implemented Monthly Task Completion Tracking for this project and will include a brief summary of that analysis along with any concerns about the project (e.g., schedule, budget, stakeholder concerns) in this monthly memorandum. The following table contains a summary of labor billed for each Task with a brief description of major work performed during this period. Some minor adjustments to Task budgets have been made for this monthly report.

Tasks	Description of Work	Total Budget	Previous Billed	Current Invoice	Total Amount Billed	Percent of Budget Used
1 – Project Management	Management of project.	$5,160.00	$800.00	$700.00	$1,500.00	29%
2 – Predesign Services						
A. Review Background Information	Review of DMRs and process data.	$3,030.00	$2,600.00	$250.00	$2,850.00	94%
B. Preliminary Design Analysis – Predesign Report and Quality Assurance Plan	Work on Predesign Report and Quality Assurance Plan, and establishment of design criteria.	$7,320.00	$5,346.93	$1,000.00	$6,346.93	87%
C. Complete Quality Assurance/Quality Control Review	Preliminary quality assurance review.	$2,260.00	$433.62	$500.00	$933.62	41%
D. Attend Meetings and Site Visits	Meeting with County.	$5,300.00	$2,000.00	$--	$2,000.00	38%

Tasks	Description of Work	Total Budget	Previous Billed	Current Invoice	Total Amount Billed	Percent of Budget Used
3 – Design Engineering Services						
A. Completion of Designs						
1. Prepare 60 Percent Design Submittal	Preliminary work on Project Specifications.	$37,000.00	$1,000.00	$8,700.22	$9,700.22	26%
2. Prepare 90 Percent Design Submittal		$13,460.00	$--	$--	$--	0%
3. Prepare Final Design Submittal		$9,220.00	$--	$--	$--	0%
4. Permitting Assistance		$2,040.00	$--	$--	$--	0%
B. Quality Assurance/Quality Control Review		$6,620.00	$--	$1,000.00	$1,000.00	15%
C. Attend Meetings and Site Visits		$5,300.00	$--	$--	$--	0%
D. Provide Bid and Award Services		$2,850.00	$--	$--	$--	0%
4 – Services During Construction		$18,380.00	$--	$--	$--	0%
5 – Mileage and Expenses		$960.00	$96.60	$--	$96.60	10%
TOTAL		**$118,900.00**	**$12,277.15**	**$12,150.22**	**$24,427.37**	**21%**

BUDGET/SCHEDULE STATUS

21 Percent of the budget has been consumed.

Work completed during the billing period included completion of the Predesign Report and Quality Assurance Plan for internal review, quality assurance/quality control review, and preliminary work on the Project Specifications.

It is anticipated that the Predesign Report and Quality Assurance Plan will be submitted to the County for review by mid-September.

No out-of-scope work was completed this billing period.

Please let us know if you have any questions or would like any additional information.

JLS/sr

Invoice

Gray & Osborne, Inc.
CONSULTING ENGINEERS

Skagit County Planning & Development Svs
Attn: Lavelle Pilon - lpilon@co.skagit.wa.us
cc: Erin Langley - erinL@co.skagit.wa.us
Mount Vernon, WA 98273

August 21, 2025
Project No: 25476.00
Invoice No: 3

Project 25476.00 WWTP UV Disinfection System Improvements

Professional Services from July 13, 2025 to August 9, 2025

Professional Personnel

	Hours	Rate	Amount	
Principal				
Swift, Jay	14.50	231.95	3,363.28	
P. Engineer				
Xi, Yun	23.00	180.13	4,142.99	
P. Manager				
Jacobsen, Bjarne	15.50	245.11	3,799.21	
Technician				
Klatt, David	6.50	129.96	844.74	
Totals	59.50		12,150.22	
Total Labor				**12,150.22**

Billing Limits	**Current**	**Prior**	**To-Date**
Total Billings	12,150.22	12,277.15	24,427.37
Limit			118,900.00
Remaining			94,472.63

Total this Invoice **$12,150.22**

PO # PL 5525

Contract # C20250255

Invoice

Gray & Osborne, Inc.
CONSULTING ENGINEERS

Skagit County Planning & Development Svs
Attn: Lavelle Pilon - lpilon@co.skagit.wa.us
cc: Erin Langley - erinL@co.skagit.wa.us
Mount Vernon, WA 98273

September 15, 2025
Project No: 25476.00
Invoice No: 4

Project 25476.00 WWTP UV Disinfection System Improvements

Professional Services from August 10, 2025 to September 6, 2025

Professional Personnel

	Hours	Rate	Amount	
Principal				
Swift, Jay	7.00	231.95	1,623.65	
P. Engineer				
Xi, Yun	3.00	180.13	540.39	
P. Manager				
Jacobsen, Bjarne	2.00	245.11	490.22	
Totals	12.00		2,654.26	
Total Labor				**2,654.26**

Billing Limits	**Current**	**Prior**	**To-Date**
Total Billings	2,654.26	24,427.37	27,081.63
Limit			118,900.00
Remaining			91,818.37

Total this Invoice **$2,654.26**

PO # PL 5525

Contract # C20250255

eurofins | Environment Testing

Invoice No.	1100000384	**Invoice Date**	September 11, 2025
Terms	Net 30 days	**Federal Tax ID**	91-1540636
Remit to	Eurofins Environment Testing Northwest, LLC, PO BOX 1451, Carol Stream, IL 60132-1451		
Wire	Citibank ABA: 031100209 Acct# 38996659 SWIFT Code: CITIUS33		
ACH	Citibank ABA: 031100209 Acct# 38996659 SWIFT Code: CITIUS33		

Bill to:	Ship to:
Skagit County Planning & Development Attn: Accounts Payable 1800 Continental Place Mount Vernon, WA 98273	Skagit County Planning & Development 1800 Continental Place Mount Vernon, WA 98273

P.O. Number	W.O. Number	Contract Number	Work Ordered by
Purchase Order not required			Don Erickson
Job Description	**Site Name**	**SDG Number**	**Invoice Contact**
See below			Don Erickson

Job No.	Job Description / Method/Test Description	Receipt Date	Quantity	Unit Price	Amount
J105-1	**Edison LOSS: Planning**	**08/05/2025**			
	I-3765-85 - TSS		2.00	33.00	66.00
	SM 5210B - BOD		2.00	84.00	168.00
	SM 9221E - Fecal Coliforms		1.00	59.00	59.00

NOT PAID - Subtotal is incorrect

Strictly for EAB acknowledgement of Inv.

Project Number	Client Number	Project Manager	Subtotal (USD)	$293.00
11000457	4103588	Michele Elfenbein		
Latest Sample Receipt Date	**Latest Report Date**	**Phone Number**	**Total (USD)**	**$293.00**
08/05/2025	09/11/2025	(360) 757-1400		

For proper credit, please include invoice number on all remittance.

The Drain Doctor

14062 Hillwood Drive
Bow WA 98232
(360) 757-3017

Statement

DATE
8/25/2025

BILL TO
Edison Sub-Area of SCP&DS lpilon@co.skagit.wa.us

TERMS	Invoice Number	AMOUNT DUE
Net 30 days	4238	$15,694.00

DATE	DESCRIPTION	AMOUNT	BALANCE
07/22/2025	Balance forward		5,666.00
08/07/2025	PMT	-2,833.00	2,833.00
08/20/2025	INV #44121. Due 09/19/2025. P#2216	10,028.00	12,861.00
08/25/2025	INV #44238. Due 09/24/2025. Contract # C-20200737 / September	2,833.00	15,694.00

Thank you for your business!

CURRENT	1-30 DAYS PAST DUE	31-60 DAYS PAST DUE	61-90 DAYS PAST DUE	OVER 90 DAYS PAST DUE	AMOUNT DUE
12,861.00	2,833.00	0.00	0.00	0.00	$15,694.00

THE DRAIN DOCTOR • Since 1979 •

44238

Licensed & Bonded

14062 Hillwood Drive · Bow, WA 98232 · **(360) 757-3017** · Contractor Lic. #DRAIND*055DH

- **Drain & Sewer Cleaning · Septic Tank Pumping**
- **Sewer Line Repair**
- **Video Pipeline Inspections**
- **Septic Inspections**
- **High Pressure Line Jetting**
- **Septic / Sewer Inspection**

Page ____ of ____

DATE OF ORDER				
CUSTOMER'S ORDER NO.	PHONE	E-MAIL	CELL	STARTING DATE 8/25/25
BILL TO Edison Sub Area				ORDER TAKEN BY
ADDRESS				TIME STARTED
CITY				TIME ENDED
JOB NAME & LOCATION				JOB PHONE
TECHNICIAN	TECHNICIAN ASSISTANT	OTHER		

DESCRIPTION OF WORK	PER UNIT	TOTAL
Contract C-20200731-September		2833.00
TOTAL MATERIALS		
TOTAL LABOR		
SUB TOTAL		2833.00
TAX		—
TOTAL AMOUNT	$	2833.00

DATE COMPLETED | WORK ORDERED BY

FINANCE CHARGE OF 1.5 % NET 30 DAYS

❑ No one home ❑ Total amount due for above work or: ❑ Total billing to be mailed after completion of work

Signature _____

I hereby acknowledge the satisfactory completion of the above described work.

Bayhill

Wastewater Services, LLC
11748 Sunrise Lane
Burlington, WA 98233
360-672-5378 bayhillwws@gmail.com

INVOICE

September 7, 2025 **INVOICE NO. 2025-10**

BILL TO:

Skagit County Permit and Planning

1800 Continental Place

Mount Vernon WA 98273

September 2025 Billing Summary

DESCRIPTION	
Monthly Contractual Amount-September 2025	$820.00
#C 20250066	
PL 6625	
150.582.00.4110	

Balance Due $820.00

Thank You!

Bayhill

Wastewater Services, LLC
11748 Sunrise Lane
Burlington, WA 98233
360-672-5378 bayhillwws@gmail.com

INVOICE

September 16, 2025 **INVOICE NO. 2025-11**

BILL TO:
Skagit County Permit and Planning
1800 Continental Place
Mount Vernon WA 98273

September 2025 Billing Summary for On-Call Services

DESCRIPTION

Edison UV replacement project.

September 15, 2025, 1.0 hr review and comment on Gray & Osborne QA Technical Memorandum dated September 12, 2025.

#C 20250066

PL 6625

150.582.00.4810

Balance Due $100.00

Thank You!

Operations Report

Bayhill

Wastewater Services, LLC

August 30, 2025

Edison WWTF Operators Report

August 5th, collected monthly samples for lab analysis, the flow was 3636 gallons, and the return rate was 10.9:1. The recirculating tank pH was 6.5, and effluent pH was 6.4. I inspected the site, was unable to see any ponding on the gravel filters by sight or smell and could hear the recirculating gravel filter pumps cycle. A visual inspection of the recirculating ball valve was found to be functioning correctly, and the facility is clean and well kept.

August 19th&20th, the maintenance contractor pumped out 1800 gallons from the main recirculating tank.

August 26th, replaced the UV lamps and sleeves, recirculating ball valve and a visual inspection of both appeared to be functioning correctly. The flow was 6192 gallons, and the return rate was 6.4:1. I was unable to observe any ponding on the gravel filters by sight or smell and could hear the recirculating gravel filter pumps cycle. I checked the solids level in the secondary settling tank and found 1.0' and 1.0', last cleaned on 8/5/25 by the maintenance contractor.

As of this date, Eurofins analytical has not completed the lab analysis for August.

Sincerely,

Don Erickson

WWTP Operator
360-672-5378

eurofins | Environment Testing

1 2 3 4 5 6 7 8 9 10 11 12 13 14

ANALYTICAL REPORT

PREPARED FOR

Attn: Don Erickson
Skagit County Planning & Development
1800 Continental Place
Mount Vernon, Washington 98273

Generated 9/10/2025 7:12:43 PM

JOB DESCRIPTION

Edison LOSS: Planning

JOB NUMBER

110-105-1

Eurofins Washington
1620 S Walnut Street
Burlington WA 98233

See page two for job notes and contact information.

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northwest, LLC Project Manager.

Authorization

Generated
9/10/2025 7:12:43 PM

Authorized for release by
Michele Elfenbein, Admin Asst. I
Michele.Elfenbein@et.eurofinsus.com
(360)757-1400

Table of Contents

Client: Skagit County Planning & Development
Job ID: 110-105-1
Project/Site: Edison LOSS: Planning

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 110-105-1 Eurofins Washington

Job Narrative
110-105-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 8/5/2025 8:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 19.0°C.

General Chemistry
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Biology
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Detection Summary

Client: Skagit County Planning & Development
Job ID: 110-105-1
Project/Site: Edison LOSS: Planning

Client Sample ID: Site M (IN) Edison WWTF — Lab Sample ID: 110-105-1

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Total Suspended Solids	36		4.0		mg/L	1		I-3765-85	Total/NA
Biochemical Oxygen Demand	15		1.0		mg/L	1		SM 5210B	Total/NA

Client Sample ID: Site A (OUT) Edison WWTF — Lab Sample ID: 110-105-2

Analyte	Result	Qualifier	RL		Unit	Dil Fac	D	Method	Prep Type
Total Suspended Solids	6.0		4.0		mg/L	1		I-3765-85	Total/NA
Biochemical Oxygen Demand	2.9		1.0		mg/L	1		SM 5210B	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Skagit County Planning & Development
Job ID: 110-105-1
Project/Site: Edison LOSS: Planning

Client Sample ID: Site M (IN) Edison WWTF
Lab Sample ID: 110-105-1
Date Collected: 08/05/25 07:15
Matrix: Water
Date Received: 08/05/25 08:30

General Chemistry

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	36		4.0		mg/L			08/08/25 17:15	1
Biochemical Oxygen Demand (SM 5210B)	15		1.0		mg/L			08/06/25 10:04	1

Client Sample ID: Site A (OUT) Edison WWTF
Lab Sample ID: 110-105-2
Date Collected: 08/05/25 07:20
Matrix: Water
Date Received: 08/05/25 08:30

General Chemistry

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids (USGS I-3765-85)	6.0		4.0		mg/L			08/08/25 17:15	1
Biochemical Oxygen Demand (SM 5210B)	2.9		1.0		mg/L			08/06/25 10:25	1

Method: SM 9221E - Coliforms, Fecal (Multiple-Tube Fermentation)

Analyte	Result	Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Coliform, Fecal	<1.8		1.8		MPN/100mL			08/05/25 14:29	1

Client: Skagit County Planning & Development
Project/Site: Edison LOSS: Planning

Job ID: 110-105-1

Method: I-3765-85 - Residue, Non-filterable (TSS)

Lab Sample ID: MB 110-1355/1
Matrix: Water
Analysis Batch: 1355

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Total Suspended Solids	ND		2.0		mg/L			08/08/25 17:15	1

Method: SM 5210B - BOD, 5-Day

Lab Sample ID: MB 110-400/1
Matrix: Water
Analysis Batch: 400

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	ND		8		mg/L			08/06/25 09:29	1

Lab Sample ID: SCB 110-400/2
Matrix: Water
Analysis Batch: 400

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	SCB Result	SCB Qualifier	RL		Unit	D	Prepared	Analyzed	Dil Fac
Biochemical Oxygen Demand	ND		8		mg/L			08/06/25 09:32	1

Lab Sample ID: LCS 110-400/3
Matrix: Water
Analysis Batch: 400

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Biochemical Oxygen Demand			198	213		mg/L		108	85 - 115		

Lab Sample ID: 110-105-1 DU
Matrix: Water
Analysis Batch: 400

Client Sample ID: Site M (IN) Edison WWTF
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Biochemical Oxygen Demand	15			15.1		mg/L				0.7	20

QC Association Summary

Client: Skagit County Planning & Development
Job ID: 110-105-1
Project/Site: Edison LOSS: Planning

General Chemistry

Analysis Batch: 400

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
110-105-1	Site M (IN) Edison WWTF	Total/NA	Water	SM 5210B	
110-105-2	Site A (OUT) Edison WWTF	Total/NA	Water	SM 5210B	
MB 110-400/1	Method Blank	Total/NA	Water	SM 5210B	
SCB 110-400/2	Method Blank	Total/NA	Water	SM 5210B	
LCS 110-400/3	Lab Control Sample	Total/NA	Water	SM 5210B	
110-105-1 DU	Site M (IN) Edison WWTF	Total/NA	Water	SM 5210B	

Analysis Batch: 1355

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
110-105-1	Site M (IN) Edison WWTF	Total/NA	Water	I-3765-85	
110-105-2	Site A (OUT) Edison WWTF	Total/NA	Water	I-3765-85	
MB 110-1355/1	Method Blank	Total/NA	Water	I-3765-85	

Biology

Analysis Batch: 258

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
110-105-2	Site A (OUT) Edison WWTF	Total/NA	Water	SM 9221E	

Lab Chronicle

Client: Skagit County Planning & Development
Job ID: 110-105-1
Project/Site: Edison LOSS: Planning

Client Sample ID: Site M (IN) Edison WWTF
Lab Sample ID: 110-105-1

Date Collected: 08/05/25 07:15
Matrix: Water
Date Received: 08/05/25 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	I-3765-85		1	1355	AS	EET WAS	08/08/25 17:15
Total/NA	Analysis	SM 5210B		1	400	MC	EET WAS	08/06/25 10:04

Client Sample ID: Site A (OUT) Edison WWTF
Lab Sample ID: 110-105-2

Date Collected: 08/05/25 07:20
Matrix: Water
Date Received: 08/05/25 08:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	I-3765-85		1	1355	AS	EET WAS	08/08/25 17:15
Total/NA	Analysis	SM 5210B		1	400	MC	EET WAS	08/06/25 10:25
Total/NA	Analysis	SM 9221E		1	258	LPO	EET BEL	08/05/25 14:29 - 08/08/25 15:16 [1]

[1] This procedure uses a method stipulated length of time for the process. Both start and end times are displayed.

Laboratory References:

EET BEL = Eurofins Bellingham, 805 W Orchard Dr, Suite 4, Bellingham, WA 98225, TEL (360)715-1212

EET WAS = Eurofins Washington, 1620 S Walnut Street, Burlington, WA 98233, TEL (360)757-1400

Accreditation/Certification Summary

Client: Skagit County Planning & Development
Job ID: 110-105-1
Project/Site: Edison LOSS: Planning

Laboratory: Eurofins Washington

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	4072	04-02-26

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
I-3765-85		Water	Total Suspended Solids
SM 5210B		Water	Biochemical Oxygen Demand

Washington	State	C567	01-18-26

Laboratory: Eurofins Bellingham

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Washington	State	874	12-05-25

Method Summary

Client: Skagit County Planning & Development
Project/Site: Edison LOSS: Planning

Job ID: 110-105-1

Method	Method Description	Protocol	Laboratory
I-3765-85	Residue, Non-filterable (TSS)	USGS	EET WAS
SM 5210B	BOD, 5-Day	SM	EET WAS
SM 9221E	Coliforms, Fecal (Multiple-Tube Fermentation)	SM	EET BEL

Protocol References:

SM = "Standard Methods For The Examination Of Water And Wastewater"

USGS = "Methods For Analysis Of Water And Fluvial Sediments", USGS, 1989

Laboratory References:

EET BEL = Eurofins Bellingham, 805 W Orchard Dr, Suite 4, Bellingham, WA 98225, TEL (360)715-1212

EET WAS = Eurofins Washington, 1620 S Walnut Street, Burlington, WA 98233, TEL (360)757-1400

Sample Summary

Client: Skagit County Planning & Development
Project/Site: Edison LOSS: Planning

Job ID: 110-105-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
110-105-1	Site M (IN) Edison WWTF	Water	08/05/25 07:15	08/05/25 08:30	Washington
110-105-2	Site A (OUT) Edison WWTF	Water	08/05/25 07:20	08/05/25 08:30	Washington

Chain of Custody / Analysis Request (Please complete all applicable shaded sections)

Report to: Skagit County Planning & Development	Bill to: SKA13	**For Lab Use Only**
Ship Address: 1800 Continental PL	Address: 1800 Continental PL	Ref #
City: MOUNT VERNON St: WA Zip: 98273	City: MOUNT VERNON St: WA Zip: 98273	**Check Regulatory Program**
Attn: Lavelle Pilon	Phone: 360-416-1335 FAX: N/A	☐ Safe Drinking Water Act
Phone: 360-416-1338 FAX: N/A	P.O.#: Attn: Lavelle Pilon	☐ Clean Water Act
Email: lpilon@co.skagit.wa.us; bayhillwws@gmail.com		☐ RCRA / CERCLA
Project Edison LOSS: Planning		☐ Other

EDGE ANALYTICAL

Main Lab (800-755-9295)
1620 South Walnut St Burlington, WA 98233
Microbiology (360-715-1212)
805 W. Orchard Dr. Suite 4 Bellingham, WA 98225
Wilsonville Lab (503-682-7802)
9725 SW Commerce Cir. Ste A2 Wilsonville, OR 97070
Corvallis Lab (541-753-4946)
1100 N E Circle Blvd, Ste 130, Corvallis, OR 9733 0
Bend Lab (541-639-8425)
20332 Empire Ave Ste F4, Bend, OR 97703

1. Use one line per sample Location.
2. Be specific in analysis requests.
3. List each metal individually
4. Check off analyses to be performed for each sample Location.
5. Enter number of containers.
6. ***(NEW)*** Report to __ MDL or __ PQL ***(NEW)***

Turn Around Time Required
- ☐ Standard
- ☐ Half-time (50% surcharge)
- ☐ Quickest (100% surcharge) Phone Call Req.
- ☐ Emergency (Phone Call Req.)

Analyses Requested

110-105-01 COC

	Field ID	Location	Grab/ Comp.	Sample Matrix*	Date	Time	BOD (ONLY)	SM9222D Fecal (Membrane Filter)	TSS						Number of Containers	Special Instructions Conditions on Receipt
1	Site M (IN)	Edison WWTF	G	WW	8/5/25	7:15	●	☐	●	☐	☐	☐	☐	☐		
2	Site A (OUT)	Edison WWTF	G	WW	8/5/25	7:20	●	●	●	☐	☐	☐	☐	☐		
3							☐	☐	☐	☐	☐	☐	☐	☐		
4							☐	☐	☐	☐	☐	☐	☐	☐		
5							☐	☐	☐	☐	☐	☐	☐	☐		
6							☐	☐	☐	☐	☐	☐	☐	☐		
7							☐	☐	☐	☐	☐	☐	☐	☐		
8							☐	☐	☐	☐	☐	☐	☐	☐		
9							☐	☐	☐	☐	☐	☐	☐	☐		

****Are there known hazardous or dangerous wastes in these samples? YES / NO If YES, indicate type on reverse of this form; samples may be returned to you.**

Total Containers

Sampled by: DON ERICKSON Phone: 360-672-5378 FAX: Email: BAYHILLWWS@GMAIL.COM

Sample Receipt Request (Must include FAX or Email) ☑

* **W** - water **SW** - surface water **WW** - waste water **SL** - salt water
DW - drinking water **ST** - storm water **S** - soil **OL** - oil Other:

****Relinquished by**	Date	Time	Received by	Date	Time
	8/5/25	8:27A	MSM(WI) PU01	8.5.25	0830

	Yes	No	N/A
Custody seals intact	☐	☐	☑
Sample temp 19.0 C° satisfactory	☑	☐	☐
Samples received intact	☑	☐	
Chain of custody & labels agree	☑	☐	

FORM COC 3-7-2022

Login Sample Receipt Checklist

Client: Skagit County Planning & Development

Job Number: 110-105-1
SDG Number:

Login Number: 105
List Number: 1
Creator: Meleshchuk, Maxim

List Source: Eurofins Washington

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Maintenance Report

[illegible]ubarea

INDIVIDUAL TANK INSPECTION REPORT

DATE: 9-10-25

Site No.	Owner Name	Physical Address	Type	Scum	Sludge	Needs Pumping	Lids Secure	RUN CYCLES	RUN HOURS	Heavy Filter	Alarm OK	Needs Repair
~~1~~	~~Dubois~~	~~5864 Farm to Market Road~~	~~None~~									
2	Kerr	5852 Farm to Market Road	P					7006	110.18			
3	Allen	5936 Farm to Market Road	P					98931	3774.50			
4	DeGloria	6030 Farm to Market Road	P					27493	1547.24			
5	McRae	5848 Farm to Market Road	S					6404	167.72			
6	MOGA	5987 Farm to Market Road	S					45	228.37			
7	Conn	5979 Farm to Market Road	P					47816	1444.09			
8	Michael	5941 Farm to Market Road	P					50796	2279.37			
9	Nus	5927 Farm to Market Road	P					41539	2787.41			
10	Kvistad	5885 Farm to Market Road	P					31142	1727.84			
11	Vallee	14032 Gilmore Avenue	P					22676	771.34			
12	Vanfield	14058 Gilmore Avenue	G									
13	Parker	14068 Gilmore Avenue	G									
14	Chamberlin	14096 Gilmore Avenue	G									
~~15~~	~~Moga~~	~~Gilmore Avenue~~	~~Future~~									
16	Ferdinand	5847 Main Avenue	G									
17	Ferdinand	5847 Main Avenue	S									
18	Fadden	5819 Main Avenue	G									
19	NEP	5811 Main Street	G									
~~20~~	~~Edison Café~~	~~5797 Main Street~~	~~Comm~~									
21	Radish	14119 MacTaggart Avenue	G									
22	Robbins	14091 MacTaggart Avenue	G									
23	Leigh	14075 MacTaggart Avenue	G									
24	Robbins	14059 MacTaggart Avenue	G									
~~25~~	~~Robbins~~	~~14051 MacTaggart Avenue~~	~~Future~~									
26	Robbins	14033 MacTaggart Avenue	G									

#5 - 6058 not 5848

Date: 9-10-25

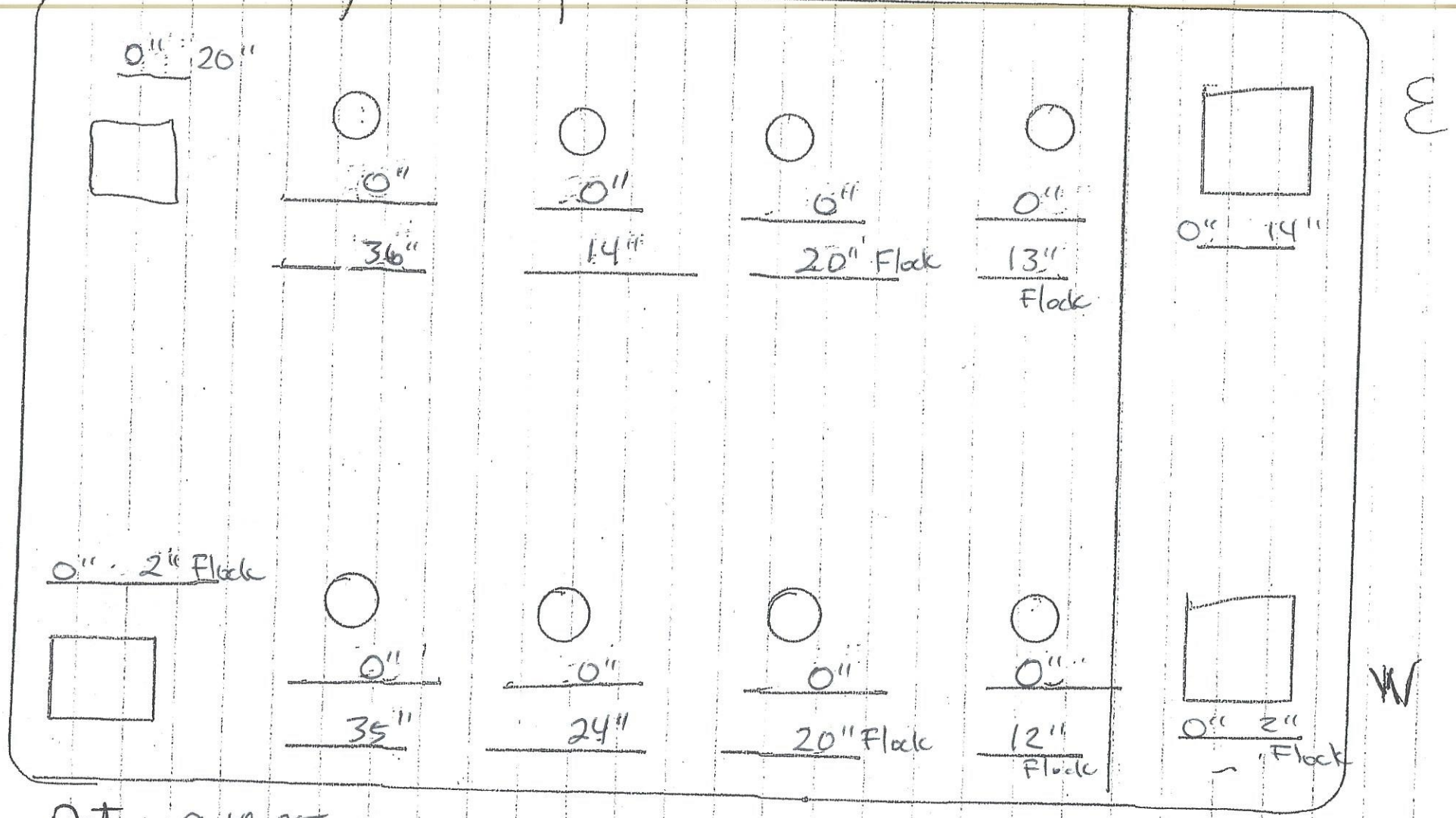
Site No.	Owner Name	Physical Address	Type	Scum	Sludge	Needs Pumping	Lids Secure	RUN CYCLES	RUN HOURS	Heavy Filter	Alarm OK	Needs Repair
27	Reisen	14011 MacTaggart Avenue	G									
28	SRP	5717 Gilkey Avenue	P									
29	SRP	5742 Gilkey Avenue	P					9707	601.33			
~~30~~	~~Longhorn~~	~~5754 Cains Court~~	~~Comm~~					14897	2422.71			
~~31~~	~~Breadfarm~~	~~5766 Cains Court~~	~~Comm~~					~~14897~~	~~2422.71~~			
32	Samish Studio	5778 Cains Court	G									
33	Rust	5782 Cains Court	G									
~~34~~	~~Tweets~~	~~5800 Cains Court~~	~~Comm~~									
35	Rust	5800 Cains Court	G									
~~36~~	~~Mariposa~~	~~14003 Gilmore Avenue~~	~~Comm~~									
36a	Chamberlin	5848 Farm to Market Road	P					50465	1108.35			
~~36b~~	~~Robbins~~	~~Unknown~~	~~ADU~~					3962	361.09			
~~37~~	~~Edison Inn~~	~~5829 Cains Court~~	~~Comm~~									
38	Barker	5821 Cains Court	G									
39	Stafford	14061 Gilmore Avenue	G									
40	Bajema	14073 Gilmore Avenue	G									
41	Mangold	14083 Gilmore Avenue	G									
42	Robbins	5841 Ewings Court	G									
~~43~~	~~Redding~~	~~14137 Gilmore Avenue~~	~~Future~~									
44	Redding	14137 Gilmore Avenue	S									
45	Sullivan	5836 Main Avenue	G									
46	Skinner	14118 MacTaggart Avenue	G									
47	Parker	14108 MacTaggart Avenue	G									
48	Leigh	14090 MacTaggart Avenue	S									
49	Ouellette	14078 MacTaggart Avenue	G									
50	Shull	5815 Ewing Court	G									
51	Williams	14064 MacTaggart Avenue	G									
52	Lamb	14050 MacTaggart Avenue	G									
~~53~~	~~NEP~~	~~5718 Gilkey Avenue~~	~~Future~~									
54	Youngquist	14034 MacTaggart Avenue	G									
55	KXA	14022 MacTaggart Avenue	G									

9-10-25

Site No.	Owner Name	Physical Address	Type	Scum	Sludge	Needs Pumping	Lids Secure	RUN CYCLES	RUN HOURS	Heavy Filter	Alarm OK	Needs Repair
56	Atkinson	14010 MacTaggart Avenue	G									
~~57~~	~~Brick~~	~~5787 Cains Court~~	~~Future~~									
58	Henkel	14023 MacCoys Court	G									
59	Czaban	14037 MacCoys Court	G									
60	Aydelotte	14043 MacCoys Court	G									
61	Collinge	14057 MacCoys Court	G									
62	Turner	5800 Weings Court	G									
63	Alonzo	5548 Smith Road	P					7141	709.27			
~~64~~	~~Dowen~~	~~5557 Smith Road~~	~~Future~~									
65	Perry	5694 Smith Road	P					6081	763.74			
66	Perry	14095 Doser Street	P					20904	1598.06			
~~67~~	~~No~~											
68	Mayer	14119 Doser Street	P					42410	2357.75			
69	Deering	14129 Doser Street	P					20257	2206.31			
~~70~~	~~Pare~~	~~14114 Doser Street~~	~~Future~~									
71	Callaway	5722 Smith Road	P					1666	89.82			
72	Jewett	14239 West Bow Hill	P					12943	1284.70			
~~73~~	~~School~~	~~5801 Main Street~~	~~School~~									

Main Tank

sludge only not scum



Date: 9-10-25

Techs: J-S

Edison Sub-Area
Commercial Site Water Meter Readings

Date: 9-10-25 TIME
Technicians: J-J

Business Name	Site#		Meter Reading	Cubic Ft Used
Edison Cafe	20		182.78	
Longhorn Saloon	30		1712.39	
The Bread Farm	31		1502.35	
Tweets	32	North	559.16	
		South	58.68	
Mariposa	36		508.93	
Edison Inn	37		1045.62	
Edison School	73		152745.70	
5821 Cains Crt	38		278.02	

#38 middle box

Edison Lift Station

Date: 9-10-25

Tech: J-S

Counter # 1

Events 50103

Run Time 3408.54

Counter # 2

Events 49201

Run Time ~~49201~~ 6809.02

Siemens Totalizer 602211

Comments: All normal.

Draw Downs

North Pump ✓ Inches 3" Min 1

South Pump ✓ Inches 3" Min 1

Pump Clarifier

Date: 9-10-25

Tech: J-J

Pumped over from tank to big tank.

Site# 74

Techs: J-J

Date: 9-10-25

Jt# 48

Edison School

Panel Readings

#1

Hr: 1175.92

Events: 36624

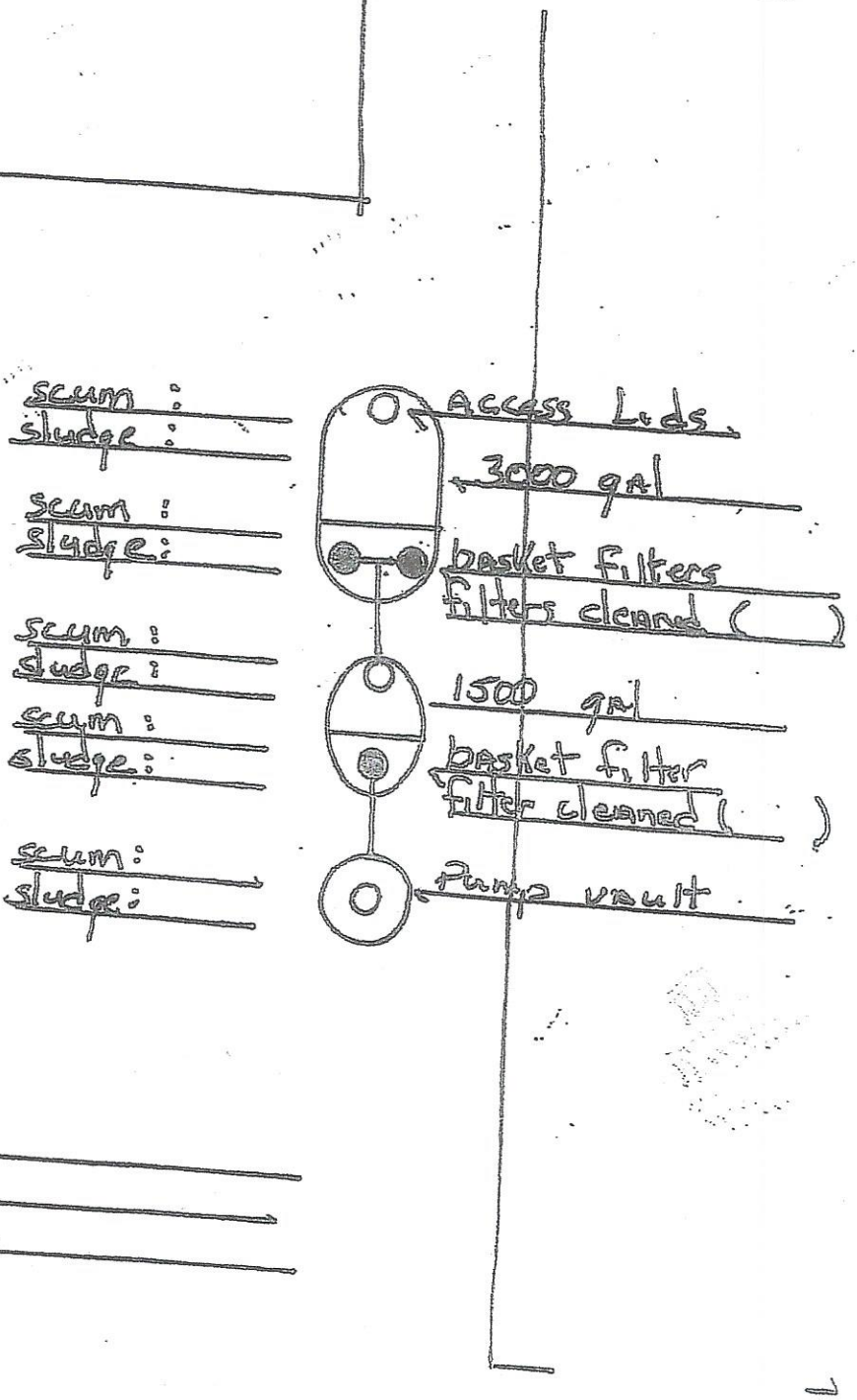
Ordn: /

#2

Hr: 1287.41

Events: 38153

Ordn: /



Comments:

All normal

Edison Sub-Area
Grease Trap Levels

Date: 9/9/25
Technicians: JS JW SC

Business/ Site #	Inlet Skum	Inlet Sludge	Outlet Skum	Outlet Sludge	Pumping Needed
Edison Café#20	0	10"	SCUM	9"	NO
Longhorn Saloon#30	3"	0"	2"	4"	NO
The Bread Farm#31	0	15"	1"	13"	NO
Tweets#32	1"	9"	SCUM	4"	NO
Mariposa#36	0	10"	SCUM	9"	NO
Old Edison Inn #37	3"	10"	SCUM	9"	NO

*Performed Quarterly – All Levels in inches

Edison Sub-Area
Commercial Septic Tank Levels

Date: 9/9/25
Technicians: JS JW SC

Business/ Site #	Inlet Skum	Inlet Sludge	Outlet Skum	Outlet Sludge	Pumping Needed
Edison Café#20	0	11"	0	11"	NO
Longhorn Saloon#30	13"	12"	SCATT	12"	yes
EAST The Bread Farm # 31	SCATT	14"	3"	16"	yes
Tweets#32	3"	10"	SCATT	11"	NO
Mariposa#36	~~0~~	8"	SCATT	9"	NO
Old Edison Inn #37	1"	12"	SCATT	9" Float	NO

* Performed Quarterly - All levels in inches

Site# 74

Techs:

Date:

J# 48

Edison School

Panel Readings

#1

Hr:

Events:

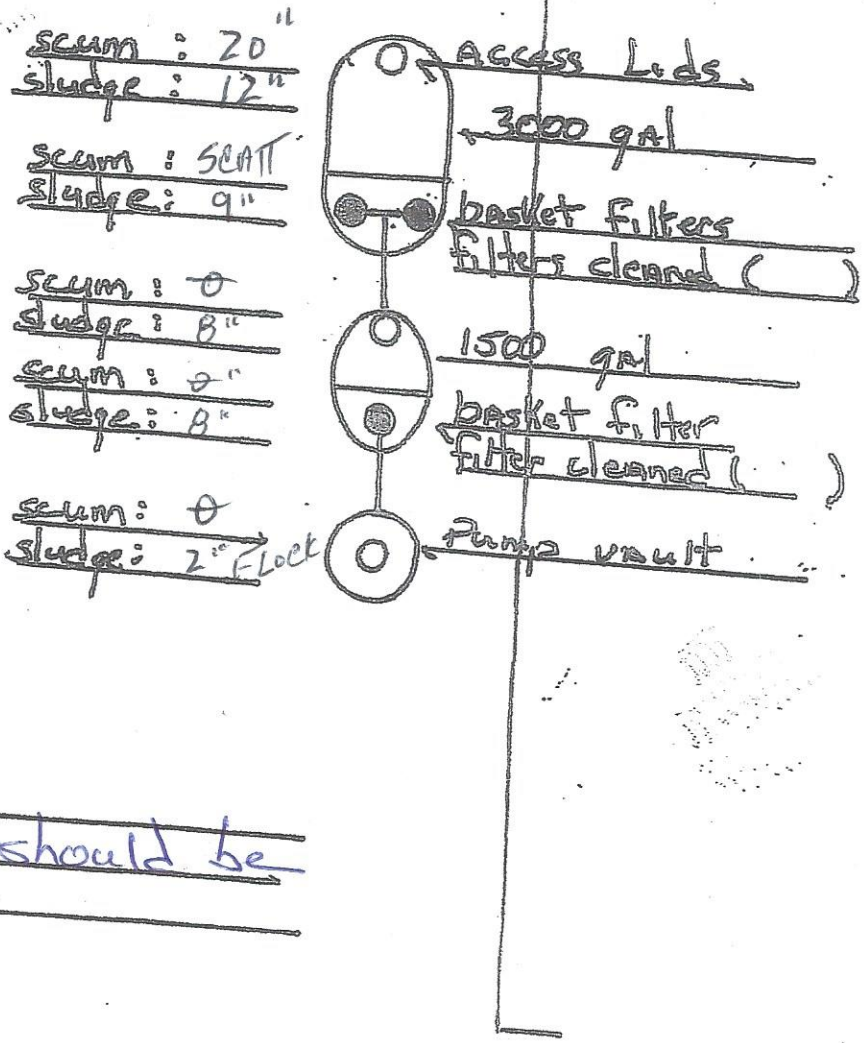
Ordn: /

#2

Hr:

Events:

Ordn: /



Comments:

Normal levels

1st 3000 gal. septic should be pumped

Edison Sub Area

Grease Trap BOD/FOG Testing

Date: 9/9/25

Tech: JS JW SC

Business/Site#	Sample Drawn	Comments
1 - Edison Café #20	✓	BROWN
2 - Longhorn Saloon #30	✓	SEMI CLEAR
3 - The Bread Farm #31 West	✓	SEMI CLEAR
4 - Bread Farm Septic East	✓	BROWN
5 - Tweets #32	✓	BROWN
6 - F/M Bakery #36	✓	SEMI CLEAR
7 - Old Edison Inn #37	✓	SEMI CLEAR
8 - School	✓	~~BROWN~~ Grey
9 - 5821 Cains Crt		

* Performed Quarterly - At Random Intervals

Unfinished Business

Annual Budget