

Skagit County Clean Water District
Edison Subarea

Meeting Agenda – November 30, 2022

REGULAR BOARD MEETING

Held at Burlington Edison Elementary School

1. **Call to Order**
2. **Opening Public Comment**
3. **Consent Agenda:**
 - A. Prior Meeting Minutes
 - B. Fund 150 Invoices
4. **Communications:**
 - A. Lift Station Readings, School Tank Readings, & Commercial Site Tank Readings from the Drain Doctor
 - B. Individual Residential Pump Tank Readings for November 8th from the Drain Doctor
 - C. YTD 2022 Pump Cycles and Run Times Report from Scott Mangold
 - D. 2023 Assessment Letter to County Assessor and Treasurer
5. **Old Business**
 - A. Monthly Operator Report
 - B. Monthly Maintenance Contractor Report
6. **New Business**
 - A. Update on Gray and Osborne Capacity Study
7. **Other Business**
8. **Closing Public Comment**
9. **Adjourn**

Edison Clean Water District

Meeting Minutes

Meeting of October 26, 2022

Call to Order: The meeting was called to order at 5:00 PM with the following board members present: Jeff Haddox, Scott Mangold, and Bernie Alonzo. Also present were Betsy Stevenson and Erin Langley from the County, Greg Young from Ravenhead Municipal Services, Maintenance Contractor Mike Tamman from the Drain Doctor, and Operator Don Erickson.

Opening Public Comment: None

Consent Agenda: The minutes from the Board's August 24th regular meeting minutes and the below detailed vouchers were approved following a motion by Mr. Mangold and seconded by Mr. Haddox:

10/26/22-1	Drain Doctor	\$ 2,054.08
10/26/22-2	Ravenhead Municipal	\$ 900.00
10/26/22-3	City of Burlington	\$ 637.32
10/26/22-4	Edge Analytical	\$ 101.00
10/26/22-5	Underground Locate	\$ 2.58

Communications: Mr. Young covered the communications for tonight's meeting by noting that it included the October 18th commercial site FOG & BOD readings (to be included in the 2023 assessment calculations), the revised credit balance for the School District as a result of their latest billings, pumping letters for selected residential sites that were identified as needing to be pumped, and a copy of the County Treasurer's 2023 YTD expenditure report.

Old Business: The group then turned their attention to the 2023 Assessments. Mr. Young presented the revised traditional assessment worksheets which included the latest round of commercial site testing results. Additionally, Mr. Mangold presented two variations on his recently presented alternative assessment worksheets.

Mr. Mangold went over the first variation which lumped both residential and commercial sites into one category with the commercial sites being assigned an equivalent ERU number based on their flow and loading. The "base rate ERU" (that which each residential site would be charged) was then manually adjusted (with the commercial sites being charged per ERU) upward to achieve the \$80K overall assessment goal.

Mr. Mangold's second variation assigned certain costs regardless of the number of ERUs because some operational costs are not contingent on the actual flow or loading and assigned other costs based on loading and impact on the system.

Both methodologies used different dollar cost percentage allocations for "use" fees (costs not affected by flow/strength) and "impact" fees (cost that do relate to flow/strength). Naturally, the higher the percentage of costs assigned to the Use Fee, the higher the residential fees. But due to the large impact the commercial sites represent for the overall flow/strength, both variations reflected commercial assessment not much different from the Traditional Assessment methodology.

It was the general consensus of the Board that further review of alternative assessment models is needed since our existing methodology is difficult to explain, is very complex, and due to some very high BOD or FOG commercial readings, shift costs amongst the commercial site every year.

After this discussion it was moved by Mr. Alonzo and seconded by Mr. Mangold to adopt the 2023 assessment numbers presented by Mr. Young and to further commit the Board to review alternative methodologies in early 2023 with a target of June 2023 to possibly adopt another methodology. It was also suggested that we might get additional input from the engineers currently working on our Capacity Plan (Gray and Osborne) since they may have experience with other communities and how they charge for services.

New Business: - Operator Erickson provided his monthly report noting that it was a good month at the Plant. He stated that he and others had met with G&O and gave a tour of the facilities on the 14th. During this tour and inspection, it was noticed that in the drainfield there are selected areas where there is no clear area between the bottom of the domes and the dirt which may be adversely impacting the performance. Further review will be completed.

Mr. Erickson also reported that in preliminary discussions with G&O, they are suggesting that it may not be worth the investment and return to investigate if downspouts are contributing to increases in I&I given the small size of the Town and our good operational data – we are achieving good treatment results and the biggest issue is the seasonal high flows. They may suggest that we and DOE revisit the rationale and figures used to set our initial permitted flow limitations and possibly revise them upward.

Should we get permitted for additional flow, we will need to look at our UV treatment and possibly add more UV bulb capacity to adequately allow for sufficient contact time.

Other Business: - None

Adjourn: With no further business to be conducted, the meeting was conference call ended at 6:39PM.

Committee Member

Committee Member

Committee Member

Committee Member

Committee Member

Skagit County Edison Clean Water Disrtrict CASH FLOW REPORT - 2022

Fund No. 150 - Operations and Maintenance

January 2022 Beginning Cash Balance	\$415,671.85
Adjustment to County Treasurer Statement	\$0.00
 2022 Revenues to Date	 \$78,935.95
 2022 Expenditures to Date	 \$79,197.15
 2022 Ending Cash Balance	 <u><u>\$415,410.65</u></u>

2022 Expenditure Detail by Vendor

	<u>Operations</u>	<u>Capital</u>	<u>Permit Compliance</u>
The Drain Doctor	\$35,885.58		
Ravenhead Municipal Services	\$9,900.00		
Edge Analytical			\$1,735.00
Underground Utility Locate Service	\$9.03		
City of Burlington			\$6,827.68
Burlington Edison School District	\$22,192.53		
Coast Controls	\$698.73		
State Department of Ecology			\$166.32
Trojan UV	\$1,545.32		
Dahl Electric	\$236.96		
Subtotal	<u>\$70,468.15</u>	\$0.00	<u>\$8,729.00</u>
TOTAL	\$79,197.15		

Skagit County Clean Water District Edison Subarea

YEAR 2022 Fund 150 Expenditure Tracking Sheet

<u>Tracking Number</u>	<u>Payee</u>	<u>Amount</u>	<u>Total</u>
1/10/22-1	Edge Analytical (2021 Expense)	\$237.00	\$237.00
		<i>Total for Year</i>	<i>\$ 237.00</i>
1/26/22-1	The Drain Doctor	\$ 2,018.58	
1/26/22-2	Ravenhead Municipal	\$ 900.00	
1/26/22-3	City of Burlington	\$ 474.94	
1/26/22-4	BE School District	\$ 4,465.05	\$ 7,858.57
		<i>Total for Year</i>	<i>\$ 8,095.57</i>
2/23/22-1	The Drain Doctor	\$ 4,618.83	
2/23/22-2	Ravenhead Municipal	\$ 900.00	
2/23/22-3	City of Burlington	\$ 728.06	
2/23/22-4	Utilities Underground	\$ 1.29	
2/23/22-5	Dahl Electric	\$ 236.96	\$ 6,485.14
		<i>Total for Year</i>	<i>\$ 14,580.71</i>
3/23/22-1	The Drain Doctor	\$ 2,230.83	
3/23/22-2	Ravenhead Municipal	\$ 900.00	
3/23/22-3	City of Burlington	\$ 621.04	
3/23/22-4	Coast Controls	\$ 265.93	
3/23/22-5	BE School District	\$10,790.17	\$14,807.97
		<i>Total for Year</i>	<i>\$ 29,388.68</i>
4/27/22-1	The Drain Doctor	\$ 1,634.08	
4/27/22-2	Ravenhead Municipal	\$ 900.00	
4/27/22-3	City of Burlington	\$ 766.56	
4/27/22-4	Trojan UV	\$ 1,545.32	
4/27/22-5	BE School District	\$ 6,937.31	
4/27/22-6	Edge Analytical	\$ 136.00	\$11,919.27
		<i>Total for Year</i>	<i>\$ 41,307.95</i>

<u>Tracking Number</u>	<u>Payee</u>	<u>Amount</u>	<u>Total</u>
5/25/22-1	The Drain Doctor	\$ 3,195.08	
5/25/22-2	Ravenhead Municipal	\$ 900.00	
5/25/22-3	City of Burlington	\$ 621.04	
5/25/22-4	Underground Locate	\$ 1.29	\$ 4,717.41
		<i>Total for Year</i>	<i>\$ 46,025.36</i>
6/22/22-1	The Drain Doctor	\$ 1,660.58	
6/22/22-2	Ravenhead Municipal	\$ 900.00	
6/22/22-3	City of Burlington	\$ 475.52	
6/22/22-4	Edge Analytical	\$ 543.00	\$ 3,579.10
		<i>Total for Year</i>	<i>\$ 49,604.46</i>
7/20/22-1	The Drain Doctor	\$ 2,146.58	
7/20/22-2	Ravenhead Municipal	\$ 900.00	
7/20/22-3	City of Burlington	\$ 667.56	
7/20/22-4	Edge Analytical	\$ 157.00	
7/20/22-5	Underground Locate	\$ 1.29	\$ 3,872.43
		<i>Total for Year</i>	<i>\$ 53,476.89</i>
8/24/22-1	The Drain Doctor	\$ 9,870.18	
8/24/22-2	Ravenhead Municipal	\$ 900.00	
8/24/22-3	City of Burlington	\$ 523.88	
8/24/22-4	Edge Analytical	\$ 460.00	
8/24/22-5	Coast Controls	\$ 432.80	
8/24/22-6	Department of Ecology	\$ 166.32	\$12,353.18
		<i>Total for Year</i>	<i>\$ 65,830.07</i>
9/28/22-1	The Drain Doctor	\$ 2,206.08	
9/28/22-2	Ravenhead Municipal	\$ 900.00	
9/28/22-3	City of Burlington	\$ 509.44	
9/28/22-4	Edge Analytical	\$ 101.00	
9/28/22-5	Underground Locate	\$ 2.58	\$ 3,719.10
		<i>Total for Year</i>	<i>\$ 69,549.17</i>

<u>Tracking Number</u>	<u>Payee</u>	<u>Amount</u>	<u>Total</u>
10/26/22-1	The Drain Doctor	\$ 2,054.08	
10/26/22-2	Ravenhead Municipal	\$ 900.00	
10/26/22-3	City of Burlington	\$ 637.32	
10/26/22-4	Edge Analytical	\$ 101.00	
10/26/22-5	Underground Locate	\$ 2.58	\$ 3,694.98
		<i>Total for Year</i>	<i>\$ 73,244.15</i>
11/30/22-1	The Drain Doctor	\$ 4,250.68	
11/30/22-2	Ravenhead Municipal	\$ 900.00	
11/30/22-3	City of Burlington	\$ 802.32	\$ 5,953.00
		<i>Total for Year</i>	<i>\$ 79,197.15</i>



THE DRAIN DOCTOR • Since 1979 •

39417

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 1 of 1

DATE OF ORDER
11-3-22

CUSTOMER'S ORDER NO. <u>PO 2216</u>	PHONE	E-MAIL	CELL	STARTING DATE <u>11-3-22</u>
BILL TO <u>Edison sub-area</u>			ORDER TAKEN BY <u>Mike</u>	
ADDRESS			TIME STARTED	
CITY			TIME ENDED	
JOB NAME & LOCATION <u>5941 Farm-market rd</u>			JOB PHONE	
TECHNICIAN <u>Jose</u>		TECHNICIAN ASSISTANT <u>Mike</u>		OTHER

DESCRIPTION OF WORK	PER UNIT	TOTAL
1-3 - Customer states panel is in alarm. - Found levels up into riser. - Could not get to pump or float. - Pumped tank to allow time to arrange for a electrician.	1000gals	495-
11-7 - Met Dahl elec / tested and found a failed pump - replaced pump - will need to wait for liquid to turn on	JS/MT 9:30-11:30	330.-

* Pump was in inventory

TOTAL MATERIALS	MISC	15.00
TOTAL LABOR		

DATE COMPLETED	WORK ORDERED BY	TOTAL AMOUNT	\$	840-

FINANCE CHARGE OF 1.5 % NET 30 DAYS

Signature _____

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

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

Skagit County Clean Water District

Edison Subarea

FUND 150

Tracking Number:
11/30/22-2

Voucher Cover Sheet

We, the undersigned members of the Edison Subarea Board do hereby recommend that the invoices detailed below be forwarded to the Skagit County Commissioners for consideration for payment. We have reviewed these costs and supporting materials and have determined that they are proper and accurate.

DATE	PAYEE	DESCRIPTION	BARS	AMOUNT
11/27/2022	Ravenhead Municipal	Invoice #2022-05-11 November 2022 Contract	150.582.00.41.10	\$900.00
TOTAL				\$900.00

Date: _____

Signed: _____



Ravenhead Municipal Services

5 Sanwick Point Court

Bellingham WA 98229

360.410.8626

youngest@comcast.net

November 27, 2022

INVOICE NO.	2022-05-11
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BILL TO:

Skagit County Permit and Planning

1800 Continental Place

Mount Vernon WA 98273

November 2022 Billing Summary

DESCRIPTION

November 2022 Contractual Service Fee	\$900.00
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Thank You

BALANCE DUE \$900.00

Edison Sub-Area
Grease Trap Levels

Date: 11/10/2022
Technicians: MT - JS

Business/ Site #	Inlet Skum	Inlet Sludge	Outlet Skum	Outlet Sludge	Pumping Needed
<u>Edison Café#20</u>	<u>0</u>	<u>12</u>	<u>0</u>	<u>12</u>	<u>NO</u>
<u>Longhorn Saloon#30</u>	<u>1+</u>	<u>3</u>	<u>1+</u>	<u>3-4</u>	<u>NO</u>
<u>The Bread Farm#31</u>	<u>0</u>	<u>2</u>	<u>0</u>	<u>2</u>	<u>NO</u>
<u>Tweets#32</u>	<u>1/2"</u>	<u>4"</u>	<u>0"</u>	<u>8"</u>	<u>NO</u>
<u>Mariposa#36</u>	<u>0"</u>	<u>14"</u>	<u>0"</u>	<u>10"</u>	<u>NO</u>
<u>Old Edison Inn #37</u>	<u>2"</u>	<u>8"</u>	<u>scat</u>	<u>4"</u>	<u>NO</u>

*Performed Quarterly - All Levels in inches

Edison Sub-Area
Commercial Septic Tank Levels

Date: 11/10/2022
Technicians: MM - JS

Business/ Site #	Inlet Skum	Inlet Sludge	Outlet Skum	Outlet Sludge	Pumping Needed
<u>Edison Café#20</u>	<u>0</u>	<u>10</u>	<u>0</u>	<u>12</u>	<u>no</u>
<u>Longhorn Saloon#30</u>	<u>1</u>	<u>6</u>	<u>1</u>	<u>6</u>	<u>no</u>
<u>The Bread Farm # 31</u>	<u>skim</u>	<u>3</u>	<u>0</u>	<u>2</u>	<u>no</u>
<u>Tweets#32</u>	<u>skim</u>	<u>4</u>	<u>0"</u>	<u>2"</u>	<u>no</u>
<u>Mariposa#36</u>	<u>1"</u>	<u>8"</u>	<u>scat</u>	<u>5</u>	<u>no</u>
<u>Old Edison Inn #37</u>	<u>12"</u>	<u>8"</u>	<u>2"</u>	<u>4"</u>	<u>yes</u>

* Performed Quarterly - All levels in inches

11/27/22
emailed Drain Doctor
to pump tank

Edison Lift Station

Date: 11-7-22

Tech: JOSE

Counter # 1

Events 40535

Run Time 2441.82

Counter # 2

Events 39631

Run Time 5938.06

Siemens Totalizer 46667

Comments: Levels normal.
stuff on vault walls starting to
peel off.

Draw Downs _____

North Pump 1" Inches 1/min Min

South Pump 1 1/4" Inches 1/min Min

Site# 74

Techs: JOSE

Date: 11-7-22

Job # 48

Edison School

Panel Readings

#1

Hr: 1106.92

Events: 33764

Ordn: /

#2

Hr: 1139.04

Events: 33719

Ordn: /

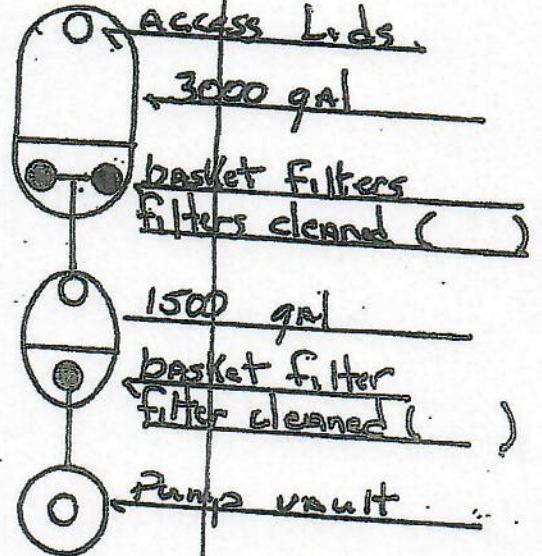
scum: _____
sludge: _____

scum: _____
sludge: _____

scum: _____
sludge: _____

scum: _____
sludge: _____

scum: _____
sludge: _____



Comments: _____

**ESCWD
Tank Lift Pumps - Cycles and Run Times**

RESIDENTIAL by Site #																				
7			8			9			10			11								
TOTAL Cycles	AVG Cycles/Day	TOT (hrs) Runtime	TOTAL Cycles	AVG Cycles/Day	TOT (hrs) Runtime	TOTAL Cycles	AVG Cycles/Day	TOT (hrs) Runtime	TOTAL Cycles	AVG Cycles/Day	TOT (hrs) Runtime	TOTAL Cycles	AVG Cycles/Day	TOT (hrs) Runtime	TOTAL Cycles	AVG Cycles/Day	TOT (hrs) Runtime	AVG (hrs) RT/Day		
535	4.58	43.54	1040	2.31	72.8	1001	2.50	98.52	2828	9.68	120.43	566	1.57	65.45				0.18		
DATE	Cycles	Cyd/Day	Hours	hrs/Day	Cycles	Cyd/Day	Hours	hrs/Day	Cycles	Cyd/Day	Hours	hrs/Day	Cycles	Cyd/Day	Hours	hrs/Day	Cycles	Cyd/Day	Hours	hrs/Day
06/08/21	46983	0.39	1326.66	0.03	46630	1.80	1884.01	0.14	39069	2.59	2490.48	0.26	25165	2.12	1439.15	0.11	18844	0.97	1673.58	0.11
11/08/21	47043	0.39	1330.53	0.03	46905	1.80	1905.37	0.14	39466	2.59	2529.57	0.26	25489	2.12	1455.77	0.11	18993	0.97	1690.81	0.11
12/06/21	47246	7.25	1349.56	0.68	46974	2.46	1910.74	0.19	39582	4.14	2541.06	0.41	25895	14.50	1474.74	0.68	19028	1.25	1695.04	0.15
12/07/21	47249	3.00	1349.63	0.07	46975	1.00	1910.82	0.08	39584	2.00	2541.24	0.18	25909	14.00	1475.39	0.65	19028	0.00	1695.04	0.00
12/08/21	47249	0.00	1349.63	0.00	46978	3.00	1911.0	0.22	39587	3.00	2541.54	0.30	25921	12.00	1476.0	0.57	19030	2.00	1695.27	0.23
01/05/22	47278	1.04	1351.35	0.06	47041	2.25	1916.03	0.18	39665	2.79	2549.03	0.27	26336	14.82	1493.89	0.64	19059	1.04	1698.75	0.12
01/07/22	47336	29.00	1356.83	2.74	47045	2.00	1916.34	0.15	39679	7.00	2550.5	0.73	26378	21.00	1495.56	0.83	19062	1.50	1699.13	0.19
03/07/22	47431	1.61	1363.38	0.11	47177	2.24	1925.77	0.16	39793	1.93	2561.63	0.19	27180	13.59	1527.35	0.54	19126	1.08	1706.81	0.13
05/31/22	47472	0.48	1365.81	0.03	47369	2.26	1939.8	0.17	39918	1.47	2573.79	0.14	27680	5.88	1546.51	0.23	19175	0.58	1712.44	0.07
06/01/22	47474	2.00	1365.9	0.09	47371	2.00	1939.93	0.13	39919	1.00	2573.9	0.11	27682	2.00	1546.59	0.08	19175	0.00	1712.44	0.00
06/02/22	47474	0.00	1365.9	0.00	47373	2.00	1940.07	0.14	39920	1.00	2574	0.10	27684	2.00	1546.65	0.06	19175	0.00	1712.44	0.00
08/08/22	47498	0.36	1368.37	0.04	47540	2.49	1949.91	0.15	40020	1.49	2583.65	0.14	27993	4.61	1559.58	0.19	19282	1.60	1724.03	0.17
09/08/22	47518	0.65	1370.2	0.06	47670	4.19	1956.81	0.22	40070	1.61	2589	0.17					19410	4.13	1739.03	0.48

Skagit County Clean Water District
"The Edison Sewer System"

November 10, 2022

Skagit County Assessor
Attention: Dannelle
Administration Building, Room 204
700 South 2nd Street
Mount Vernon WA 98273

Skagit County Treasurer
Attention: Angie
Administration Building, Room 205
700 South 2nd Street
Mount Vernon WA 98273

RE: **2023 Edison Subarea Assessments**
Fund #150

Greetings,

The Advisory Board of the Edison Clean Water District do hereby certify that at a public meeting held on October 26, 2022 the following 2023 assessments were approved:

Year 2023 Assessments

All Active Residential Hookups	\$609.12
Residential Hookup with ADU and Future Connections P# 72999	\$1,033.68
Residential Hookup with ADU P# 72968	\$913.68
Residential Hookup with ADU P# 72975	\$913.68
Accessory Dwelling Unit (ADU) Only P# 130572	\$304.56

Residential Hookup with Future Connection
P# 72987 \$729.12

COMMERCIAL SITES

Edison Café
P# 128797 \$1,609.13

Edison Inn
P# 72982 \$10,226.61

Longhorn Saloon
P# 72946 \$14,762.85

Mariposa
P# 72962 \$2,824.22

Breadfarm
P# 72945 \$22,441.44

Tweets
P# 72965 \$2,329.13

Edison Elementary School
P# 48535 \$8,534.64

FUTURE HOOKUPS

P# 72949 \$120.00 each
P# 72953
P# 72955
P# 72967
P# 73006
P# 123956
P# 33788

Should you have any questions, please feel free to give me a call at 360.410.8626 or email me at youngest@comcast.net. Thank you for your time and attention.

Sincerely,


Greg Young
District Administrator



October 31, 2022

Edison WWTF Operators Report

October 5th, Erin and I collected monthly samples for analysis at Edge Analytical. The flow was 5772 gallons and the return rate was 7.1:1. The recirculating tank pH was 6.6, and effluent pH was 6.2. I inspected the site and was unable to observe 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 appeared to be functioning correctly and the facility appears to be clean and well-kept.

October 14th, met with Bjarne Jacobsen and Jay Swift from Gray and Osborn, Consulting Engineers (G&O) to do a field assessment of the Edison wastewater treatment facility and collection system. This was all in preparation of a Wastewater Capacity Plan that is required by the Washington State Department of Ecology (Ecology) to address capacity issues.

October 18th, The Edge analytical report showed a Fecal count of 46 MPN/100ml and an 81% reduction in TSS and a 91% reduction in BOD, all found to be within the expected range.

October 27th, Erin and I cleaned the UV lamps and the recirculating ball valve and a visual inspection of both appeared to be functioning correctly. The flow was 5640 gallons and the return rate was 7.3:1, I was unable to observe any ponding on the gravel filters by sight or smell and could hear the recirculating gravel filter pumps cycle.

Sincerely,

Don Erickson
Sewer Department Supervisor