

**Skagit County Clean Water District
Edison Subarea**

Meeting Agenda – September 28, 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. School and Lift Station Readings from the Drain Doctor
 - B. Individual Residential Tank Readings for September 9, 2022
 - C. Email between Scott Mangold and Erin Langley regarding Commercial Site Testing Results
- 5. Old Business**
 - A. Monthly Operator Report
 - B. Monthly Maintenance Contractor Report
- 6. New Business**
 - A. Preliminary 2023 Assessment Worksheets
- 7. Other Business**
- 8. Closing Public Comment**
- 9. Adjourn**

Edison Clean Water District

Meeting Minutes

Meeting of August 24, 2022

Call to Order: The meeting was called to order at 5:00 PM with the following board members present: Jeff Haddox, Scott Mangold, Tom Skinner Bernie Alonzo, and Darryl Kvistad. Also present were Betsy Stevenson and Erin Langley from the County, Greg Young from Ravenhead Municipal Services, and operator Don Erickson.

Also in attendance was Mr. Ken Dahlstedt.

Opening Public Comment: None

Consent Agenda: The minutes from the Board's July 20th regular meeting minutes and the below detailed vouchers were approved following a motion by Mr. Mangold and seconded by Mr. Haddox:

8/22/22-1	Drain Doctor	\$ 9,870.18
8/22/22-2	Ravenhead Municipal	\$ 900.00
8/22/22-3	City of Burlington	\$ 523.88
8/22/22-4	Edge Analytical	\$ 460.00
8/22/22-5	Coast Controls	\$ 432.80
8/22/22-6	Department of Ecology	\$ 166.32

Communications: Mr. Young covered the communications for tonight's meeting by noting that it includes the commercial tank and grease trap levels, lift station readings and individual residential tank inspections results from the Drain Doctor, the commercial site FOG/BOD testing results from Edge Analytical, the updated pump cycle and run time spreadsheet from Mr. Mangold, and a copy of a letter from Mr. Dahlstedt related to concerns over the assessment methodology for commercial sites in Edison.

Old Business: Operator Erickson reported on the operations of the plant by noting that the last month everything ran well. He also mentioned that per Coast Controls, the flow meter cannot be calibrated precisely but since this particular flow meter is for internal processing purposes only and does not affect our Permit, he is not recommending that we replace it.

Mr. Erickson also reported that the kick-off meeting with Gray and Osborne for our Capacity Study is scheduled and they should begin their work soon.

New Business: - Ms. Stevenson noted that a resolution is being prepared for the County Commissioners to reappoint the Edison Board members for another term given everyone's willingness to continue to serve. Mr. Haddox did inform the Board that he is planning to retire next May or June and he will work with his replacement to familiarize him with the Edison system.

Other Business: Mr. Mangold brought to the attention of the Board the very high recent testing results for the Breadfarm and the need to review the testing results for unusual results. The Board discussed the possibility of retesting if results are out of the expected range, what would trigger a retest, and who would be responsible for the retesting fees. It was also suggested that the testing results be sent to the individual commercial site owners or possibly posted on the County website.

Mr. Young added that he had prepared a 10-year history of annual assessment which are included in the packet. He noted that the assessment amounts do vary from year to year given the different testing results and level of commercial activity at each site.

On the general topic of the commercial vs. residential loading for the sewer system, Operator Erickson noted that during the recent pandemic, the commercial sites were generally closed down. This very unusual event did give us an opportunity to see the Plant loading absent the commercial site's contributions. It was very telling – he reported that during the COVID outbreak period, the loading which is normally approximately 64 mg/liter dropped to 13 mg/liter. Thus, the flow from the commercial sites is 5 times what we would be receiving absent the businesses in Edison. Even though the assessment amounts vary from year to year, the commercial assessments (not including testing fees and tank pumping) are about 33% more than the residential charges. Mr. Young also added that with our very small customer base, our fixed operating costs are distributed to a small number of users. In conclusion, Operator Erickson also noted that it is the flow/loading from kitchens and not bathrooms that contribute to our inflow measurements so the public use of bathrooms in Edison do not affect our flow in a large amount.

Turning to the content and concerns of the recent letter from Mr. Dahlstedt who represents two commercial sites in Edison, Mr. Young reminded the Board that even though Mr. Dahlstedt has suggested another method to allocate the costs amongst the users, we are not able to just assign costs as we wish. Our assessment methodology is mathematically based on the relative loading into the sewer system and has been reviewed by the Department of Ecology. Annually we send our assessment worksheets to DOE for the purpose of review and establishment of our annual Discharge Permit fee.

Mr. Dahlstedt addressed the Board and stated that he noted in his letter, sent on behalf of the owners of the Longhorn and the Edison Inn, that the Board could allocate costs in a different way that he and the commercial site owners would consider more equitable.

Following Mr. Dahlstedt comments, Mr. Alonzo stated that some of the items detailed in the letter were not accurate – comparing our rates to that of other communities is not valid given the unique configuration of the Edison treatment system and our very small customer base. In the letter, it was suggested that there is a manufacturing business, art gallery, and antique store using our system when in fact these businesses are not connected to the system and use individual on-site septic systems

Adjourn: With no further business to be conducted, the meeting was conference call ended at 6:18 PM.

Committee Member

Committee Member

Committee Member

Committee Member

Committee Member

Report for September 28, 2022 meeting

Skagit County Edison Clean Water District

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	\$69,549.17
2022 Ending Cash Balance	<u><u>\$425,058.63</u></u>

2022 Expenditure Detail by Vendor

	Operations	Capital	Permit Compliance
The Drain Doctor	\$29,580.82		
Ravenhead Municipal Services	\$8,100.00		
Edge Analytical			\$1,634.00
Underground Utility Locate Service	\$6.45		
City of Burlington			\$5,388.04
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	\$62,360.81	\$0.00	\$7,188.36
TOTAL	\$69,549.17		

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	
		<i>Total for Year</i>	\$237.00 \$ 237.00
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	
		<i>Total for Year</i>	\$ 7,858.57 \$ 8,095.57
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	
		<i>Total for Year</i>	\$ 6,485.14 \$ 14,580.71
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	
		<i>Total for Year</i>	\$14,807.97 \$ 29,388.68
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	
		<i>Total for Year</i>	\$11,919.27 \$ 41,307.95

<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>		\$ 46,025.36
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>		\$ 49,604.46
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>		\$ 53,476.89
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>		\$ 65,830.07
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>		\$ 69,549.17

Skagit County Clean Water District
Edison Subarea

Meeting Agenda – September 28, 2022

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7. **Other Business**
8. **Closing Public Comment**
9. **Adjourn**

Skagit County Clean Water District

Edison Subarea

FUND 150

Tracking Number:

9/28/22-1

Voucher Cover Sheet

We, the undersigned members of the Edison Subarea Board do hereby recommend that the invoices destailed 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
8/22/2022	Drain Doctor	Invoice #38759 - repair	150.582.00.41.10	\$95.00
8/23/2022		Invoice #38881 - pump for repair		\$445.00
8/24/2022		Invoice #39131 - repair		\$95.00
8/26/2022		Invoice #39149 - locate		\$79.50
9/1/2022		Invoice #39153 - monthly contract		\$1,412.08
9/12/2022		Invoice #39189 - locate		\$79.50
			TOTAL	\$2,206.08

Date: _____

Signed: _____



38759

14062 Hillwood Drive • Bow, WA 98232 • (360) 757-3017 • Contractor Lic. #DRAIN*D*055DH
• Drain & Sewer Cleaning • Septic Tank Pumping

- Page 1 of 3

DESCRIPTION OF WORKDATE COMPLETED

8/22

WORK ORDERED BY _____

BY Mike

TOTAL AMOUNT	\$
---------------------	-----------

\$

95.00

☐ Total billing to be mailed after completion of work

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



THE DRAIN DOCTOR

• Since 1979 •

39131

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 3 of 3

DATE OF ORDER

8-24-22

CUSTOMER'S ORDER NO. <u>PO # 2210</u>	PHONE	E-MAIL	CELL	STARTING DATE
BILL TO <u>Edson sub-area</u>				ORDER TAKEN BY <u>Mike</u>
ADDRESS				TIME STARTED <u>8:20</u>
CITY				TIME ENDED <u>9:20</u>
JOB NAME & LOCATION <u>Mari Posa.</u>				JOB PHONE
TECHNICIAN <u>JOSS</u>		TECHNICIAN ASSISTANT		OTHER

DESCRIPTION OF WORK

- Checked pump / not airlocked / runs ok
- Low Level float was hung up not allowing the system to work correctly.
- Re-arranged floats
- Tested ok

PER UNIT TOTAL

TOTAL MATERIALS

TOTAL LABOR

SUB TOTAL

TAX

DATE COMPLETED

WORK ORDERED BY

TOTAL AMOUNT

\$

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.



THE DRAIN DOCTOR

• Since 1979 •

39153

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 ____

CUSTOMER'S ORDER NO.		PHONE	E-MAIL	CELL	DATE OF ORDER	STARTING DATE
BILL TO		Edison Sub Area				9/1/22
ADDRESS						ORDER TAKEN BY
CITY						TIME STARTED
JOB NAME & LOCATION						TIME ENDED
TECHNICIAN		TECHNICIAN ASSISTANT		OTHER		JOB PHONE

DESCRIPTION OF WORK

Contract # C-20200737
- Sept

PER UNIT TOTAL

1412.08

TOTAL MATERIALS

TOTAL LABOR

SUB TOTAL

TAX

1412.08

DATE COMPLETED

WORK ORDERED BY

TOTAL AMOUNT \$

1412.08

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.

Skagit County Clean Water District

Edison Subarea

FUND 150

Tracking Number:

9/28/22-2

Voucher Cover Sheet

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.

[illegible]

Date:

Signed:



Ravenhead Municipal Services
5 Sanwick Point Court
Bellingham WA 98229
360.410.8626

September 25, 2022

INVOICE NO. 2022-05-9

BILL TO:

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

September 2022 Billing Summary

DESCRIPTION

September 2022 Contractual Service Fee

\$900.00

Thank You

BALANCE DUE \$900.00

Skagit County Clean Water District
Edison Subarea

FUND 150

Tracking Number:

9/28/22-3

Voucher Cover Sheet

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
8/30/2022	City of Burlington	Monthly Operator Fee - August 2022	150.582.00.48.10	\$509.44
			TOTAL	\$509.44

Date:

Signed:

Skagit County Contract #C20200272 Billing for Edison Sewer

Operator	Date	Hours of Service	Mileage	Description	Materials/Supplies	Service Fee	Mileage 2022	Administration Fee	Total
Don Erickson						\$ 60.00	\$ 0.625	10%	
	8/8/2022	1		Review Lab data, Flow and DMK		60.00	-	6.00	66.00
						-	-	-	-
	8/3/2022	1.5	21	Sampled for Edge & Site Inspection		90.00	13.13	10.31	113.44
	8/24/2022	1.5		Meeting w/ Edison Board		90.00	-	-	-
	8/30/2022	1.5		G&O Zoom Meeting Capacity Study		90.00	-	9.00	99.00
	8/1-8/30/22	2		Monitor SCADA System		120.00	-	12.00	132.00
						-	-	-	-
						-	-	-	-
						-	-	-	-
						-	-	-	-
						-	-	-	-
						-	-	-	-
						-	-	-	-
						-	-	-	-
Totals		7.5	21			\$ -	\$ 13.13	\$ 46.31	\$ 59.44

Skagit County Clean Water District
Edison Subarea

FUND 150

Tracking Number:
9/28/22-4

Voucher Cover Sheet

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.

[illegible]

Date:

Signed:



Burlington WA
Corporate Office
1620 S Walnut St - 98233
800.755.9295 • 360.757.1400 • 360.757.1402fax

Page 1 of 1

INVOICE

Client No: SKA13

Client: SKAGIT COUNTY PLANNING & DEVELOPMENT
1800 CONTINENTAL PLACE
MOUNT VERNON, WA 98273

Attn:

Please include Reference number with payment

Reference: 22-29954

Date: September 21, 2022

Project: Edison LOSS

Date Received: September 08, 2022

Purchase Order:

Item	Lab Sample Number	Client Sample Number and Description	Type of Analysis	Turnaround	Extended Cost
1	58180.00	Site M (in) - Edison WWTF	5 day BOD test	Standard	\$27.00
2	58180.00	Site M (in) - Edison WWTF	Total Suspended Solids	Standard	\$11.00
3	58181.00	Site A (out) - Edison WWTF	5 day BOD test	Standard	\$27.00
4	58181.00	Site A (out) - Edison WWTF	Total Suspended Solids	Standard	\$11.00
5	58181.00	Site A (out) - Edison WWTF	Fecal Coliform by MTF in Water	Standard	\$25.00
6	58181.00	Site A (out) - Edison WWTF	Inflationary Surcharge	Standard	
Grand Total:					\$101.00
Amount Paid:					\$0.00
Amount Due (US Dollars):					\$101.00

Thank You for Your Business

Please pay to corporate office by October 21, 2022 to avoid a 1.5% per month finance charge.

Please Detach Here ^ and return this portion with your payment

Reference: 22-29954

Amount Due:

in US Dollars

SKAGIT COUNTY PLANNING & DEVELOPMENT
1800 CONTINENTAL PLACE
MOUNT VERNON, WA 98273
SKA13

Please Remit To:
Edge Analytical, Inc.
1620 S Walnut St
Burlington, WA 98233

OR you can pay on-line at:
www.edgeanalytical.com/payments
User Name: Pay Password: Edge

FUND 150

Voucher Cover Sheet[illegible]

Signed:

UTILITIES UNDERGROUND LOCATION CENTER.

Remittance Address

P.O. Box 3701

Seattle, WA 98124-3701

(410) 712-0082

Invoice No.	2080307
Invoice Date	08/31/2022
Month of Service	August
Billing Code	CLNWTR1
Account Number	150800
PO #	

EDISON CLEAN WATER
GREG YOUNG
5 SANWICK POINT COURT
BELLINGHAM, WA 98229

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

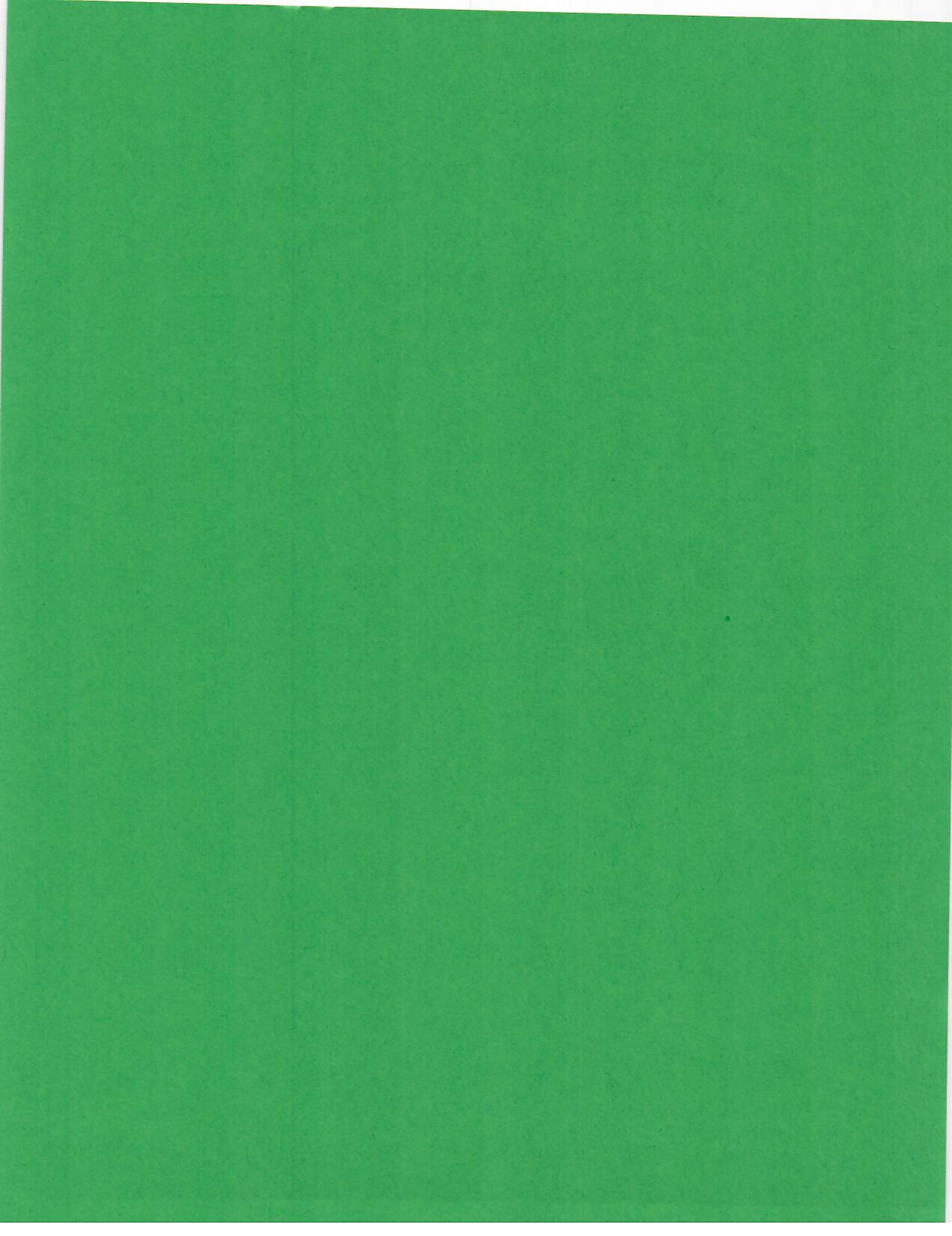
Description	Amount
Excavation Notifications for the month: 2	
Voice Ticket Delivery: 2 at \$0.00	\$2.58
	\$0.00
TOTAL:	\$2.58

District Code	Tickets	District Code	Tickets	District Code	Tickets	District Code	Tickets	District Code	Tickets
CLNWTR01	2								

REMITTANCE COPY

Company Name:	EDISON CLEAN WATER
Account Number:	150800
Invoice Number:	2080307
Invoice Date:	08/31/2022
Amount Due:	\$2.58

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



Edison Lift Station

Date: 9-8-22

Tech: JS

Counter # 1

Events 40024

Run Time 2375.01

Counter # 2

Events 39118

Run Time 5854.65

Siemens Totalizer 14434

Comments:

Draw Downs _____

North Pump _____ Inches / _____ Min /

South Pump _____ Inches / _____ Min /

Site# 74

Techs:

Date:

48

Edison School

Panel Readings

#1

Hr: 1103.60

Events: 33688

Ordn: /

#2

Hr: 1130.00

Events: 33519

Ordn: /

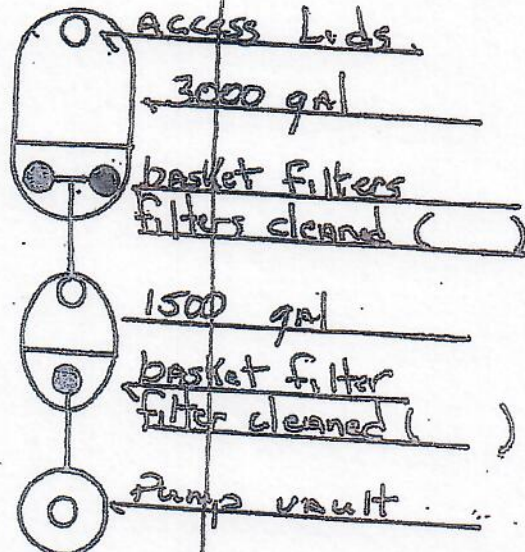
scum:
 sludge:

scum:
 sludge:

scum:
 sludge:

scum:
 sludge:

scum:
 sludge:



Comments:

Edison Sewer System

Individual Tank Inspection Report

DATE: 9-20-22

List Updated May 2021

Current Owner	Site Address	System	Scum	Sludge	Needs Pumping	Lids Secure	Run Cycles	Run Hours	Extremely Heavy Filter	Alarm OK	Needs Repairs
1 Shind	5864 F/M	Future									
2 Nuckolls	5822 F/M 5852	P					6608	11.71			
3 Allen	5936 F/M	P					96447	2306.12			
4 DeGloria	6030 F/M	P					24618	1353.54			
5 McRae	5848 F/M 6056	S					5848 4125	2522.36 115.01			
6 Carter	5987 F/M	S					28	51			
7 Conn	5979 F/M	P					47518	1370.20			
8 Michael	5941 F/M	P					47670	1956.61			
9 Bailey	5927 F/M	P					40070	258.89			
10 Kvistad	5885 F/M	P									
11 Hall	14032 Gilmore	P									
12 Satterfield	14058 Gilmore	G									
13 Parker	14068 Gilmore	G									
14 Chamberlin	14096 Gilmore	G									
15 Haller-Farns	Gilmore Ave	Future									
16 Ferdinand	5847 Main	G									
17 Ferdinand	5848 Main	S									
18 Fadden	5819 Main	G									
19 NEP Trust	5811 Main	G									

No Address

Drainers have secured

away from house

Edison Café

5797 Main

Comm

Edison Sewer System

Individual Tank Inspection Report

DATE: 9-30-22

Current Owner	Site Address	System	Scum	Sludge	Pumping	Secure	Needs	Lids	Run	Cycles	Run	Hours	Extremely	Heavy	Alarm	Needs
21 Radish	14119 MacTag	G														
22 Robbins	14091 MacTag	G														
23 Leigh	14075 MacTag	G														
24 J Robbins	14059 MacTag	G														
25 J Robbins	14051 MacTag	Future														
26 M Robbins	14033 MacTag	G														
27 Reisen	14011 MacTag	G														
28 SRP LLC	5717 Gilkey	P														
29 SRP LLC	5742 Gilkey	P														
30 Longhorn	5754 Cains Court	Comm														
31 Breadham	5766 Cains Court	Comm														
32 Evans	5778 Cains	G														
33 Rust	5782 Cains	G														
34 Tweels	5800 Cains	Comm														
35 Rust	5800 Cains	G														
36 Mariposa	14003 Gilmore	Comm														
36a Chamberlin	5848 F/M	P														
36b Robbins	Unknown 14095	ADU														
Edison Inn	5829 Cains Court	Comm														
Barker	5821 Cains	G														

7115 428.33
14267 2311.44

47386 919.40
3205 282.36

71 5'06

Individual Tank Inspection Report

9/20/22

BL Properties 14023 MacCoys

Individual Tank Inspection Report

[illegible]

Erin Langley <erinl@co.skagit.wa.us>

9/9/2022 12:13 PM

RE: RE: Edison commercial testing

To Scott Mangold <scott@breadfarm.com> • Greg YOUNG <youngest@comcast.net> Copy
bernie.alonzo@gmail.com <bernie.alonzo@gmail.com> • skinner@fidalgo.net <skinner@fidalgo.net> •
dkvistad@gmail.com <dkvistad@gmail.com> • Don Erickson <derickson@burlingtonwa.gov> •
jhaddox@be.wednet.edu <jhaddox@be.wednet.edu> • Betsy D. Stevenson <betsyds@co.skagit.wa.us>

Good morning,

Thanks Scott for your follow up. There are some good points and questions you raise.

Your idea of having the commercial sites access test results on a Skagit County website via a private link is beyond my IT skills or knowledge, so I would have to find out if its an option from a public service viewpoint and with IT. Also, all documents we have are subject to public disclosure and this is a step towards easy access to data for everyone which could cause discord in the community. So, I want to hear from you all whether you think publicly posting commercial test results is really what you and the businesses would like? My worry is the community will further point fingers and so I hesitate to post this information on the Skagit County website. Although Edison documents subject to public record, this is a detail worthy of consideration.

We can certainly get the businesses the results if they did not already receive them. Is Mike or Greg sending the results to the businesses? I do not have January's commercial test results – can someone send them to me? If the businesses have not received their test results do we want to send the entire report (listing all businesses), or do we want Edge to create new reports for each business?

We can have the agenda and minutes posted on the Edison Clean Water District website, I will work towards having this implemented. If you have comments or concerns please let all of us know.

I look forward to hearing everyone's thoughts, thank you! Have a great day,

Erin Langley
Senior Water Resource Planner

Skagit County Planning & Development Services
1800 Continental Place
Mount Vernon, WA 98273
Direct line: 360.416.1335
Email: erinl@co.skagit.wa.us
Department website: www.skagitcounty.net/planning



From: Scott Mangold <scott@breadfarm.com>
Sent: Thursday, September 8, 2022 2:01 PM
To: Greg YOUNG <youngest@comcast.net>
Cc: bernie.alonzo@gmail.com; skinner@fidalgo.net; dkvistad@gmail.com; Don Erickson <derickson@burlingtonwa.gov>; jhaddox@be.wednet.edu; Betsy D. Stevenson <betsyds@co.skagit.wa.us>; Erin Langley <erinl@co.skagit.wa.us>
Subject: Re: RE: Edison commercial testing

CAUTION: This email originated from an external email address. Do not click links or open attachments unless you recognize the sender, you are expecting this email and attachments, and you know the content is safe.

All,

I'm thinking our testing data for commercials is a little jumbled this year.. This PDF attachment includes test results from April 2022 and July 2021. The July 2021 samples were used to calculate the loading for the 2022 assessments we had established for the assessment year that we are currently in.

It is my belief that we have done three sets of samples (out of 4) for the upcoming assessment cycle:

January 11 sample (1/20/22 lab results) note: Longhorn sampled later due to collapsed tent over tank lids
April 12 sample (4/20 lab results)
July 13 sample (7/26 lab results)

Erin, you mentioned that you would be willing to forward the test results to the commercial food customers. Do you have the time to follow up on this? It may require a new pdf for the 4/20 results (that doesn't include July 2021) The copies of the other dates should be included in the packets that Greg emailed out before the meetings. I'm not certain whether he has those saved as stand-alone files or not, but that would be helpful and a cleaner looking way to send out the data. Alternatively, create a location on the webpage to house these test results and just email the commercial customers the link.

Regards,
Scott

On Thu, Sep 1, 2022 at 10:07 AM Greg YOUNG <youngest@comcast.net> wrote:

All

Here are both the April and August commercial testing results for this year.
Greg

----- Original Message -----

From: tamman@wavecable.com
To: 'Erin Langley' <erinl@co.skagit.wa.us>
Cc: 'Greg YOUNG' <youngest@comcast.net>, 'Betsy D. Stevenson' <betsyds@co.skagit.wa.us>, 'Don Erickson' <derickson@burlingtonwa.gov>
Date: 09/01/2022 9:18 AM



August 30, 2022

Edison WWTF Operators Report

August 3rd, Erin and I collected monthly samples for analysis at Edge Analytical. The flow was 4188 gallons and the return rate was 9.8:1. The recirculating tank pH was 6.9, and effluent pH was 6.6. 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.

August 10th, The Edge analytical report showed a Fecal count of <1.8 MPN/100ml and an 86% reduction in TSS and a 97% reduction in BOD, all found to be within the expected range.

Sincerely,

Don Erickson
Sewer Department Supervisor

Edison Clean Water District
Commercial Site Water Usage
June 2021 to June 2022

Wage Usage Calculations for 2023 Assessments

Description	Edison Café	Longhorn	Bream Farm	Tweets	Mariposa	Edison Inn	Edison School
June 2021 Water Meter Reading	102.51	698.92	683.83		189.30		
June 2021 Water Meter Reading	125.47	928.64	884.99		235.66		
Usage - Cubic Feet	22.96	229.72	201.16		46.36		
Times 7.48 (cubic feet conversion)	172	1,718	1,505		347		
Times 100 (gallons used)	17,174	171,831	150,468		34,677		
Divided by 365 (gallons per day)	47	471	412	34	95	446	1,059
Times 3.77 (convert to Liters)	64,746	647,801	567,263	46,438	130,733	614,230	1,457,144
Prior Year	66,579	816,350	547,749	35,109	105,579	399,729	783,949

Determination of Average Water Usage for:

Tweets

Edison Inn

Edison School

Gallons Per Day

2019 2020 2021 2022

4 Year
Average

Tweets

35 31 43 26

34

Edison Inn

513 518 464 290

446

Edison School

1,952 1,163 551 570

1,059

Annual Liters

2019 2020 2021 2022

4 Year
Average

Tweets

48,616 43,286 58,740 35,109

46,438

Edison Inn

705,921 712,463 638,806 399,729

614,230

Edison School

2,686,294 1,600,327 758,005 783,949

1,457,144

Edison Clean Water District Commercial Site Water Usage June 2017 to June 2018

Calculations for 2019 Budget

Meter Readings	Edison Café	Longhorn	Bread Farm	Tweets	Mariposa	Edison Inn	School
June 2017	1237.43	5503.33	3212.62	226.98	974.4	5174.75	11476.2
June 2018	1281.1	5722.73	3472.97	244.22	1066.55	5425.08	12428.8
Annual Cubic Feet Usage	43.67	219.4	260.35	17.24	92.15	250.33	952.6
times 7.48	7.48	7.48	7.48	7.48	7.48	7.48	7.48
Annual Gallons	327	1,641	1,947	129	689	1,872	7,125
times 100	100	100	100	100	100	100	100
Annual Gallons Used	32,665	164,111	194,742	12,896	68,928	187,247	712,545
divided by 365	365	365	365	365	365	365	365
Gallons Per Day	89.49	449.62	533.54	35.33	188.84	513.01	1952.18
Annual Liters Used	123,148	618,699	734,177	48,616	259,859	705,921	2,686,294
3.77 liters in a gallon							

1,373,134

**Edison Clean Water District
Commercial Site Water Usage
June 2018 to June 2019**

Crusher Usage with School

Wage Usage Calculations for 2020 Assessments

Description	Edison Café	Longhorn	Bream Farm	Tweets	Mariposa	Edison Inn	Edison School
June 2018 Water Meter Reading				244.22		5,425.08	12,428.80
June 2019 Water Meter Reading				259.57		5,677.73	12,996.30
Usage - Cubic Feet	45.00	217.00	264.00	15.35	97.00	252.65	567.50
Times 7.48 (cubic feet conversion)	337	1,623	1,975	115	726	1,890	4,245
Times 100 (gallons used)	33,660	162,316	197,472	11,482	72,556	188,982	424,490
Divided by 365 (gallons per day)	92	445	541	31	199	518	1,163
Times 3.77 (convert to Liters)	126,898	611,931	744,469	43,286	273,536	712,463	1,600,327
Prior Year	123,148	618,699	734,177	48,616	259,859	705,921	2,686,294

Edison Clean Water District Commercial Site Water Usage June 2019 to June 2020

Wage Usage Calculations for 2021 Assessments

Description	Edison Café	Longhorn	Bream Farm	Tweets	Mariposa	Edison Inn	Edison School
June 2019 Water Meter Reading	45.00	217.00	264.00	259.57	97.00	5,677.73	12,996.30
June 2020 Water Meter Reading	78.90	409.43	489.59	280.40	151.86	4.53	13,265.10
Usage - Cubic Feet	33.90	192.43	225.59	20.83	54.86	226.53	268.80
Times 7.48 (cubic feet conversion)	254	1,439	1,687	156	410	1,694	2,011
Times 100 (gallons used)	25,357	143,938	168,741	15,581	41,035	169,444	201,062
Divided by 365 (gallons per day)	69	394	462	43	112	464	551
Times 3.77 (convert to Liters)	95,597	542,645	636,155	58,740	154,703	638,806	758,005
Prior Year	126,898	611,931	744,469	43,286	273,536	712,536	1,600,327
							765,159

**Edison Clean Water District
Commercial Site Water Usage
June 2020 to June 2021**

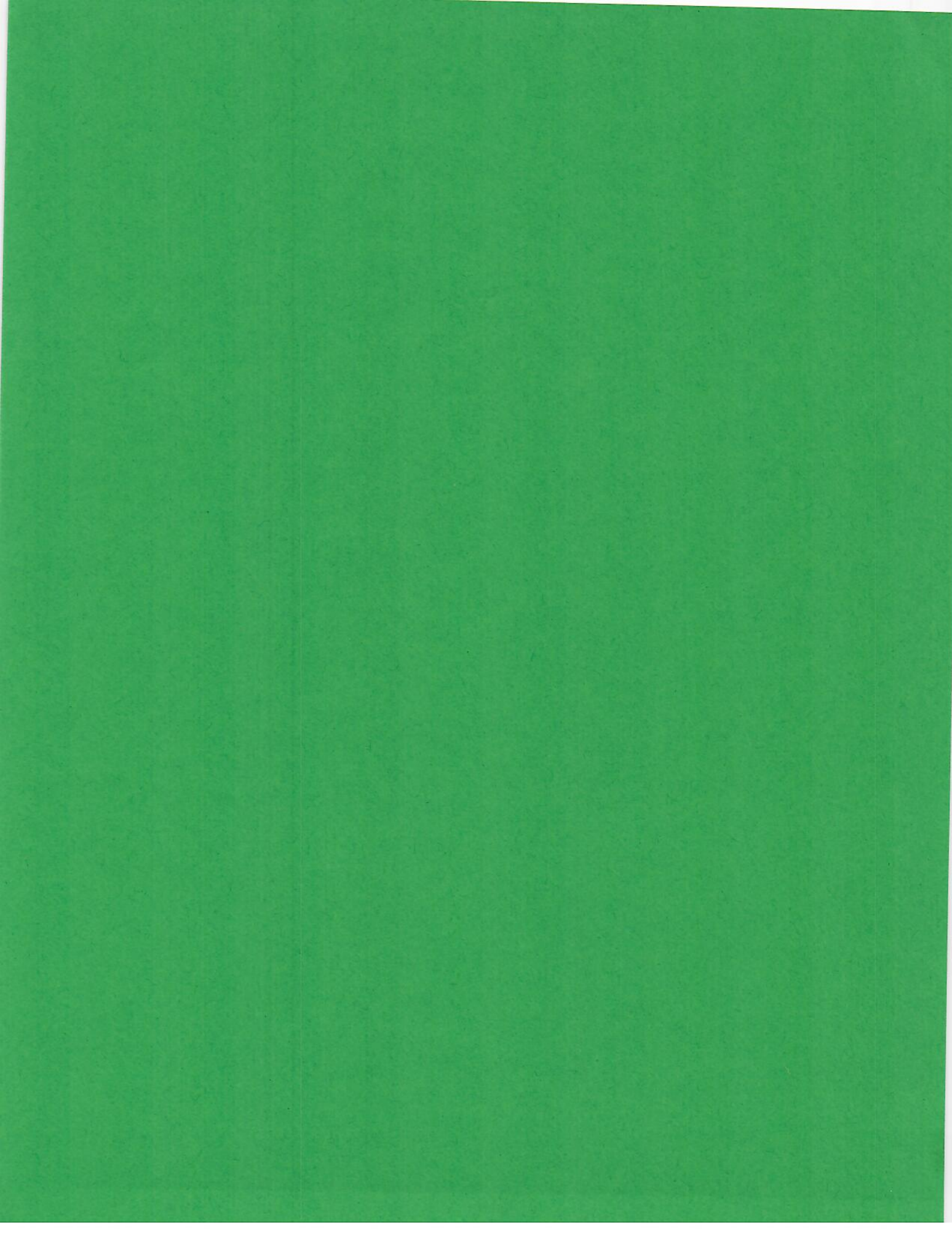
Wage Usage Calculations for 2022 Assessments

Description	Edison Café	Longhorn	Bream Farm	Tweets	Mariposa	Edison Inn	Edison School
June 2020 Water Meter Reading	78.90	409.43	489.59	280.40	151.86	4.53	
June 2021 Water Meter Reading	102.51	698.92	683.83	292.85	189.30	146.28	
Usage - Cubic Feet	23.61	289.49	194.24	12.45	37.44	141.75	
Times 7.48 (cubic feet concersion)	177	2,165	1,453	93	280	1,060	278.00 meter error
Times 100 (gallons used)	17,660	216,539	145,292	9,313	28,005	106,029	2,079
Divided by 365 (gallons per day)	48	593	398	26	77	290	207,944
Times 3.77 (convert to Liters)	66,579	816,350	547,749	35,109	105,579	399,729	783,949
Prior Year	95,597	542,645	636,155	58,740	154,703	638,806	758,005

Edison Sub-Area
Commercial Site Water Meter Readings

Date: 6-6-22
Technicians: JOSE - JOHN

Business Name	Site#	Meter Reading	Cubic Ft Used
<u>Edison Cafe</u>	<u>20</u>	<u>125.47</u>	<u> </u>
<u>Longhorn Saloon</u>	<u>30</u>	<u>928.64</u>	<u> </u>
<u>The Bread Farm</u>	<u>31</u>	<u>884.99</u>	<u> </u>
<u>Tweets</u>	<u>32 North</u>	<u>75.92</u>	<u> </u>
	<u>South</u>	<u>10.47</u>	<u> </u>
<u>Mariposa</u>	<u>36</u>	<u>235.66</u>	<u> </u>
<u>Edison Inn</u>	<u>37</u>	<u>30.28</u>	<u> </u>
<u>Edison School</u>	<u>73</u>	<u>54555.65</u>	<u> </u>
<u>5821 Cains Crt</u>	<u>38</u>	<u>310.59</u>	<u> </u>





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Bend, OR Microbiology (e)
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Page 1 of 2

Data Report

Client Name: The Drain Doctor
14062 Hillwood Lane
Bow, WA 98232

Reference Number: **22-00981**
Project: Edison

Report Date: 1/20/22

Date Received: 1/11/22

Approved by: bj

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

Unable to access the Longhorn.
Exterior shed collapsed concrete ledge.

Sample Description: Mariposa Pump Tank										Lawrence J Henderson, PhD Director of Laboratories, Vice President		
Lab Number: 1908		Sample Comment:		Matrix W				Sample Date: 1/11/22 11:00 am				
Collected By: J.S.												
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
E-10140	OIL AND GREASE	33.3	2.5	1.3	mg/L	1.0	1664	a	1/13/22	ADL	1664_220113	
E-10106	5-Day BOD Test	>410 K1	1.0		mg/L	1.0	SM5210 B	a	1/17/22	CRC	BOD_220112	

Sample Description: Tweets Septic Outlet									Matrix W		Sample Date: 1/11/22 11:00 am		
Lab Number: 1909		Sample Comment:								Collected By: J.S.			
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment	
E-10140	OIL AND GREASE	20.2	2.5	1.3	mg/L	1.0	1664	a	1/13/22	ADL	1664_220113		
E-10106	5-Day BOD Test	295	1.0		mg/L	1.0	SM5210 B	a	1/17/22	CRC	BOD_220112		

Sample Description: Edison Inn Septic Outlet								Matrix W		Sample Date: 1/11/22 11:30 am		
Lab Number: 1910		Sample Comment:							Collected By: J.S.			
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
E-10140	OIL AND GREASE	68.1	2.5	1.3	mg/L	1.0	1664	a	1/13/22	ADL	1664_220113	
E-10106	5-Day BOD Test	813	1.0		mg/L	1.0	SM5210 B	a	1/17/22	CRC	BOD_220112	

Sample Description: Breadfarm Septic Outlet								Matrix W		Sample Date: 1/11/22 12:20 pm		
Lab Number: 1911		Sample Comment:						Collected By: J.S.				
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
E-10140	OIL AND GREASE	51.1	2.5	1.3	mg/L	1.0	1664	a	1/13/22	ADL	1664_220113	
E-10106	5-Day BOD Test	380	1.0		mg/L	1.0	SM5210 B	a	1/17/22	CRC	BOD_220112	

Notes:

ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.
PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
D.F. = Dilution Factor

If you have any questions concerning this report contact us at the above phone number.
Form: cRslt_2.rpt

Data Report

Sample Description: Breadfarm Grease Outlet

Lab Number: 1912

Sample Comment:

Matrix W

Sample Date: 1/11/22 12:20 pm

Collected By: J.S.

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
E-10140	OIL AND GREASE	89.4	2.5	1.3	mg/L	1.0	1664	a	1/13/22	ADL	1664_220113	
E-10106	5-Day BOD Test	1070	1.0		mg/L	1.0	SM5210 B	a	1/17/22	CRC	BOD_220112	

Sample Description: Edison Cafe Septic Outlet

Lab Number: 1913

Sample Comment:

Matrix W

Sample Date: 1/11/22 12:50 pm

Collected By: J.S.

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
E-10140	OIL AND GREASE	24.0	2.5	1.3	mg/L	1.0	1664	a	1/13/22	ADL	1664_220113	
E-10106	5-Day BOD Test	141	1.0		mg/L	1.0	SM5210 B	a	1/17/22	CRC	BOD_220112	

Sample Description: Edison School Pump Tank

Lab Number: 1914

Sample Comment:

Matrix W

Sample Date: 1/11/22 1:10 pm

Collected By: J.S.

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
E-10140	OIL AND GREASE	33.6	2.5	1.3	mg/L	1.0	1664	a	1/13/22	ADL	1664_220113	
E-10106	5-Day BOD Test	259	1.0		mg/L	1.0	SM5210 B	a	1/17/22	CRC	BOD_220112	

Notes:

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D.F. - Dilution Factor



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Page 1 of 1

Data Report

Client Name: **The Drain Doctor**
14062 Hillwood Lane
Bow, WA 98232

Reference Number: **22-02593**
Project: **Edison**

Report Date: **2/4/22**

Date Received: **1/25/22**

Approved by: **bj**

Authorized by:

Patrick Miller
Patrick Miller, MS
Deputy QA Officer

Sample Description: Longhorn Septic Outlet		Lab Number: 5138		Sample Comment:		Matrix W		Sample Date: 1/25/22 10:00 am		Collected By: J.S.		
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
E-10140	OIL AND GREASE	73.1	2.5	1.3	mg/L	1.0	1664	a	2/1/22	ADL	1664_220201	
E-10106	5-Day BOD Test	661	1.0		mg/L	1.0	SM5210 B	a	1/31/22	CRC	BOD_220126	pH:6

Notes:

ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.
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D.F. = Dilution Factor

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Bend, OR Microbiology (e)
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Page 1 of 2

Data Report

Client Name: The Drain Doctor
14062 Hillwood Lane
Bow, WA 98232

Reference Number: 22-12373
Project: Edison

Report Date: 4/20/22

Date Received: 4/12/22

Approved by: bj

Authorized by:

Lawrence J. Henderson, PhD
Director of Laboratories, Vice President

Sample Description: School Pump Tank									
Lab Number: 23874		Sample Comment:		Matrix W		Sample Date: 4/12/22 11:00 am			
						Collected By: J.S.			
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed Analyst Batch Comment
E-10140	OIL AND GREASE	8.8	2.5	1.3	mg/L	1.0	1664	a	4/14/22 ADL 1664_220414
E-10106	5-Day BOD Test	125	1.0		mg/L	1.0	SM5210 B	a	4/19/22 CRC BOD_220414

Sample Description: Cafe Septic Outlet									
Lab Number: 23875		Sample Comment:		Matrix W		Sample Date: 4/12/22 11:00 am			
						Collected By: J.S.			
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed Analyst Batch Comment
E-10140	OIL AND GREASE	48.0	2.5	1.3	mg/L	1.0	1664	a	4/14/22 ADL 1664_220414
E-10106	5-Day BOD Test	219	1.0		mg/L	1.0	SM5210 B	a	4/19/22 CRC BOD_220414

Sample Description: Longhorn Septic Outlet									
Lab Number: 23876		Sample Comment:		Matrix W		Sample Date: 4/12/22 11:20 am			
						Collected By: J.S.			
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed Analyst Batch Comment
E-10140	OIL AND GREASE	307	2.5	1.3	mg/L	1.0	1664	a	4/14/22 ADL 1664_220414
E-10106	5-Day BOD Test	1600	1.0		mg/L	1.0	SM5210 B	a	4/19/22 CRC BOD_220414

Sample Description: Breadfarm Septic Outlet									
Lab Number: 23877		Sample Comment:		Matrix W		Sample Date: 4/12/22 11:20 am			
						Collected By: J.S.			
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed Analyst Batch Comment
E-10140	OIL AND GREASE	61.0	2.5	1.3	mg/L	1.0	1664	a	4/14/22 ADL 1664_220414
E-10106	5-Day BOD Test	801	1.0		mg/L	1.0	SM5210 B	a	4/19/22 CRC BOD_220414

Notes:

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D.F. = Dilution Factor

If you have any questions concerning this report contact us at the above phone number.

Form: cRsl_2.rpt

Data Report

Report

Sample Description: Breadfarm Grease Outlet

Lab Number: 23878

Sample Comment:

Matrix W

Sample Date: 4/12/22 11:20 am

Collected By: J.S.

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
E-10140	OIL AND GREASE	139	2.5	1.3	mg/L	1.0	1664	a	4/14/22	ADL	1664_220414	
E-10106	5-Day BOD Test	1210	1.0		mg/L	1.0	SM5210 B	a	4/19/22	CRC	BOD_220414	

Sample Description: Mariposa Pump Outlet

Lab Number: 23879

Sample Comment:

Matrix W

Sample Date: 4/12/22 11:45 am

Collected By: J.S.

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
E-10140	OIL AND GREASE	71.2	2.5	1.3	mg/L	1.0	1664	a	4/14/22	ADL	1664_220414	
E-10106	5-Day BOD Test	309	1.0		mg/L	1.0	SM5210 B	a	4/19/22	CRC	BOD_220414	

Sample Description: Tweets Septic Outlet

Lab Number: 23880

Sample Comment:

Matrix W

Sample Date: 4/12/22 11:45 am

Collected By: J.S.

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
E-10140	OIL AND GREASE	26.2	2.5	1.3	mg/L	1.0	1664	a	4/14/22	ADL	1664_220414	
E-10106	5-Day BOD Test	172	1.0		mg/L	1.0	SM5210 B	a	4/19/22	CRC	BOD_220414	

Sample Description: Edison Inn Septic Outlet

Lab Number: 23881

Sample Comment:

Matrix W

Sample Date: 4/12/22 12:00 pm

Collected By: J.S.

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
E-10140	OIL AND GREASE	411	2.5	1.3	mg/L	1.0	1664	a	4/14/22	ADL	1664_220414	
E-10106	5-Day BOD Test	1490	1.0		mg/L	1.0	SM5210 B	a	4/19/22	CRC	BOD_220414	

Notes:

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D.F. = Dilution Factor



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Portland, OR Microbiology/Chemistry (c)
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Corvallis, OR Microbiology/Chemistry (d)
1401 NE Circle Blvd, Ste 130 - Corvallis, OR 97330 • 541.763.4546
Bend, OR Microbiology (e)
20132 Emory River Side A - Bend, OR 97701 • FAX 531.635.6426

Page 1 of 1

Data Report

Client Name: **Drain Doctor**
14062 Hillwood Lane
Bow, WA 98232

Reference Number: **22-23160**
Project: **Edison**

Report Date: **7/26/22**

Date Received: **7/13/22**

Approved by: **bj,crc**

Authorized by:

Lawrence J Henderson, PhD
Director of Laboratories, Vice President

Sample Description: Edison School Pump Vault										Matrix WW			Sample Date: 7/13/22 11:30 am		
Lab Number: 44609													Collected By: SE		
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment			
E-10140	OIL AND GREASE	29.6	2.5	1.3	mg/L	1.0	1664	a	7/20/22	TJB	1664_220719				
E-10106	5-Day BOD Test	299	1.0		mg/L	1.0	SM5210 B	a	7/19/22	MSO	BOD_220714				

Sample Description: Cafe Septic Outlet										Matrix WW			Sample Date: 7/13/22 11:40 am		
Lab Number: 44610													Collected By: SE		
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment			
E-10140	OIL AND GREASE	37.5	2.5	1.3	mg/L	1.0	1664	a	7/21/22	ADL	1664_220721				
E-10106	5-Day BOD Test	221	1.0		mg/L	1.0	SM5210 B	a	7/19/22	MSO	BOD_220714				

Sample Description: Mariposa Pump Chamber										Matrix WW			Sample Date: 7/13/22 12:05 pm		
Lab Number: 44611													Collected By: SE		
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment			
E-10140	OIL AND GREASE	29.3	2.5	1.3	mg/L	1.0	1664	a	7/21/22	ADL	1664_220721				
E-10106	5-Day BOD Test	287	1.0		mg/L	1.0	SM5210 B	a	7/19/22	MSO	BOD_220714				

Sample Description: Tweets Septic Outlet										Matrix WW			Sample Date: 7/13/22 12:20 pm		
Lab Number: 44612													Collected By: SE		
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment			
E-10140	OIL AND GREASE	97.5	2.5	1.3	mg/L	1.0	1664	a	7/21/22	ADL	1664_220721				
E-10106	5-Day BOD Test	392	1.0		mg/L	1.0	SM5210 B	a	7/19/22	MSO	BOD_220714				

Notes:

ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.
PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
D.F. = Dilution Factor

If you have any questions concerning this report contact us at the above phone number.

Form: cSalt_2.rpt



Burlington, WA Corporate Laboratory (a)
 1623 S Walnut St. - Burlington, WA 98223 - 800.755.9255 • 360.757.1400
Bellingham, WA Microbiology (b)
 855 Orchard Dr Ste 4 - Bellingham, WA 98225 - 360.715.1312

Portland, OR Microbiology/Chemistry (c)
 5725 SW Commerce Dr Ste A2 - Wilsonville, OR 97070 - 503.672.7512
Corvallis, OR Microbiology/Chemistry (d)
 1100 NE Oate Blvd Ste 100 - Corvallis, OR 97330 - 541.753.4840
Bend, OR Microbiology (e)
 20132 Empire Blvd Ste 4 - Bend, OR 97701 - 541.636.5125

Data Report

Client Name: **The Drain Doctor**
 14062 Hillwood Lane
 Bow, WA 98232

Reference Number: **22-23263**
 Project: **Edison**

Report Date: **7/26/22**

Date Received: **7/14/22**

Approved by: **bj,crc**

Authorized by:

Lawrence J Henderson

Lawrence J Henderson, PhD
 Director of Laboratories, Vice President

Sample Description: Breadfarm Grease Outlet										Lawrence J Henderson, PhD Director of Laboratories, Vice President			
Lab Number: 44811		Sample Comment:								Matrix W	Sample Date: 7/14/22 9:00 am		
Collected By:													
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment	
E-10140	OIL AND GREASE	720	2.5	1.3	mg/L	1.0	1664	a	7/21/22	ADL	1664_220721		
E-10106	5-Day BOD Test	1960	1.0		mg/L	1.0	SM5210 B	a	7/19/22	MSO	BOD_220714		

Sample Description: Breadfarm Septic Outlet												
Lab Number: 44812		Sample Comment:						Matrix W		Sample Date: 7/14/22 9:00 am		
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment
E-10140	OIL AND GREASE	2360	2.5	1.3	mg/L	1.0	1664	a	7/21/22	ADL	1664_220721	
E-10106	5-Day BOD Test	>4255	1.0		mg/L	1.0	SM5210 B	a	7/19/22	MSO	BOD_220714	

Sample Description: Longhorn Septic Outlet		Lab Number: 44813		Sample Comment:		Matrix W		Sample Date: 7/14/22 9:00 am																	
CAS ID#		Parameter		Result		PQL		MDL		Units		DF		Method		Lab		Analyzed		Analyst		Batch		Comment	
E-10140		OIL AND GREASE		322		2.5		1.3		mg/L		1.0		1664		a		7/21/22		ADL		1664_220721			
E-10106		5-Day BOD Test		1600		1.0				mg/L		1.0		SM5210 B		a		7/19/22		MSO		BOD_220714			

Sample Description: Edison Inn Septic Outlet										Matrix W		Sample Date: 7/14/22 10:15 am	
Lab Number: 44814			Sample Comment:							Collected By:			
CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Lab	Analyzed	Analyst	Batch	Comment	
E-10140	OIL AND GREASE	198	2.5	1.3	mg/L	1.0	1664	a	7/21/22	ADL	1664_220721		
E-10106	5-Day BOD Test	653	1.0		mg/L	1.0	SM5210 B	a	7/19/22	MSO	BOD_220714		

Notes:

ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.
 PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
 D.F. = Dilution Factor

If you have any questions concerning this report contact us at the above phone number.
 Form: cRelt_2.rpt

for 2023 Assessments

Prior Year Pumping

Pumping During 2022

	2/1/2022	7/18/2022	7/27/2022	8/2/2022	8/23/2022	TOTAL
Longhorn	\$1,330		\$720	\$720		\$2,770
Edison School		\$1,443				\$1,443
Breadfarm			\$810	\$720		\$1,530
Mariposa				\$720	\$445	\$1,165
Tweets				\$720		\$720



THE DRAIN DOCTOR • Since 1979 •

38727

Licensed & Bonded

14062 Hillwood Drive • Bow, WA 98232 • (360) 757-3017 • Contractor Lic. #DRAIN*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. <i>PO # 2316</i>	PHONE	E-MAIL	CELL	STARTING DATE <i>7/18/22</i>
BILL TO <i>Edison Sub Area</i>				ORDER TAKEN BY
ADDRESS				TIME STARTED
CITY				TIME ENDED
JOB NAME & LOCATION <i>Edison School</i>				JOB PHONE
TECHNICIAN		TECHNICIAN ASSISTANT		OTHER

DESCRIPTION OF WORK

PER UNIT TOTAL

Pumping of Septic Tanks

3140 gallons

1443-

*In future need second serviceman
to jet & break up solids*

*Feb 2023
Assault*

TOTAL MATERIALS

TOTAL LABOR

SUB TOTAL

TAX

DATE COMPLETED

WORK ORDERED BY

TOTAL AMOUNT

\$

1443-

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.



THE DRAIN DOCTOR

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38823

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

Page ____ of ____

CUSTOMER'S ORDER NO. PO #2214		PHONE	E-MAIL	CELL	DATE OF ORDER	STARTING DATE 7/27/22
BILL TO Edison Sub Area						ORDER TAKEN BY
ADDRESS						TIME STARTED
CITY						TIME ENDED
JOB NAME & LOCATION						JOB PHONE
TECHNICIAN John / Jose		TECHNICIAN ASSISTANT		OTHER		

DESCRIPTION OF WORK

Pumped Grease Tanks

PER UNIT TOTAL

Longhorn - 5754 Cairns Crt

1500 g

720.00

Bread farm - 5766 Cairns Crt

1700 g

810 -

for 2023 Assessments

TOTAL MATERIALS

TOTAL LABOR

SUB TOTAL

TAX

DATE COMPLETED

WORK ORDERED BY

Greg

TOTAL AMOUNT

\$

1625 -

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



THE DRAIN DOCTOR

• Since 1979 •

38881

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 2 of 3

CUSTOMER'S ORDER NO. <u>PO # 2216</u>		PHONE	E-MAIL	CELL	DATE OF ORDER	STARTING DATE <u>8/23/22</u>
BILL TO <u>Edison SubArea</u>					ORDER TAKEN BY	
ADDRESS <u>14003 Calmar Ave</u>					TIME STARTED	
CITY <u>Edison</u>					TIME ENDED	
JOB NAME & LOCATION					JOB PHONE	
TECHNICIAN <u>John</u>		TECHNICIAN ASSISTANT		OTHER		

DESCRIPTION OF WORK

PER UNIT TOTAL

Pump House Repair 650 gal 445

2023
Assessments

TOTAL MATERIALS

TOTAL LABOR

SUB TOTAL

TAX

DATE COMPLETED

WORK ORDERED BY
MRB

TOTAL AMOUNT \$

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.

Edison Clean Water District

Assessment Attributable to FLOW

Year 2023 Assessment

FLOW

Residential Calculations (per Policy 2006-2)

57 Active Residential Connection

Daily flow per connection = 135 gallons

Total annual flow per residential connection = 49,275 gallons

Total annual flow for all residential connections = 2,808,675 gallons

Commercial Calculations

<u>Customer</u>	<u>GPD</u>	<u>Annualized</u>	<u>Percentage</u>	1 ERU Gal 49,275 <u>ERU</u>	Prior Yr <u>ERU</u>
Café	47	17,155	1.83%	0.35	0.36
Longhorn	471	171,915	18.37%	3.49	4.39
Breadfarm	412	150,380	16.07%	3.05	2.95
Tweets	34	12,410	1.33%	0.25	0.19
Mariposa	95	34,675	3.71%	0.70	0.57
Edison Inn	446	162,790	17.39%	3.30	2.15
Edison School	1,059	<u>386,535</u>	41.30%	7.84	4.22
Total		935,860			

Total Residential Flow	2,808,675	75%	79%
Total Commercial Flow	<u>935,860</u>	25%	21%
TOTAL	<u>3,744,535</u>		

Edison Clean Water District

Assessment Attributable to BOD

Year 2023 Assessment

BOD

Residential Calculations (per Policy 2006-2)

57 Active Residential Connection

BOD per residential connection = 230 mg/L

1 gallon = 3.78 liters

57 connections flowing 2,808,675 gallons per year = 10,616,791 liters per year

Total residential BOD loading = 2,441,861,930

Commercial Calculations

Customer	Liters	BOD Avg	BOD Loading	Percentage	Prior Yr.
Café	64,746	194	12,539,142	0.52%	1.35%
Longhorn	647,801	1,287	833,719,887	34.25%	49.91%
Breadfarm	567,263	1,047	593,924,361	24.40%	22.03%
Tweets	46,438	286	13,296,747	0.55%	0.38%
Mariposa	130,733	335	43,839,133	1.80%	1.44%
Edison Inn	614,230	985	605,221,293	24.86%	20.16%
Edison School	1,457,144	228	331,743,117	13.63%	4.73%
Total		4,362	2,434,283,681		

Total Residential BOD Load	2,441,861,930	50%	61%
Total Commercial BOD Load	2,434,283,681	50%	39%
TOTAL	4,876,145,611		

Customer	BOD Testing Results for Year			2022 AVG	Prior AVG
	1/20/22	4/20/22	7/26/22		
Café	141	219	221	194	312
Longhorn	661	1,600	1,600	1,287	941
Breadfarm	380	801	1,960	1,047	619
Tweets	295	172	392	286	165
Mariposa	410	309	287	335	210
Edison Inn	813	1,490	653	985	776
Edison School	259	125	299	228	93

Edison Clean Water District

Assessment Attributable to FOG

Year 2023 Assessment

FOG

Residential Calculations (per Policy 2006-2)

57 Active Residential Connection

FOG per residential connection = 20 mg/L

57 connections flowing 10,616,791 liters = FOG loading of 212,335,820

Commercial Calculations

Customer	Liters	FOG Avg.	FOG Loading	Percentage	Prior Yr.
Café	64,746	37	2,363,229	0.48%	0.96%
Longhorn	647,801	234	151,607,027	30.75%	38.55%
Breadfarm	567,263	277	157,339,847	31.92%	7.93%
Tweets	46,438	48	2,227,476	0.45%	0.10%
Mariposa	130,733	45	5,830,692	1.18%	0.72%
Edison Inn	614,230	226	138,631,711	28.12%	50.53%
Edison School	1,457,144	24	34,971,456	7.09%	1.22%
Total		890	492,971,439		

Total Residential FOG Load	212,335,820	30%	36%
Total Commercial FOG Load	492,971,439	70%	64%
TOTAL	705,307,259		

Customer	FOG Testing Results for Year			2022 AVG	
	1/20/22	4/20/22	7/26/22		
Café	24.0	48.0	37.5	36.5	53.4
Longhorn	73.1	307.0	322.0	234.0	175.2
Breadfarm	51.1	61.0	720.0	277.4	53.7
Tweets	20.2	26.2	97.5	48.0	10.2
Mariposa	33.3	71.2	29.3	44.6	25.3
Edison Inn	68.1	411.0	198.0	225.7	469.1
Edison School	33.6	8.8	29.6	24.0	5.8

Edison Clean Water District Assessment SUMMARY for Year 2023 Assessments

Assessment Goal = \$80,000

Annual assessment split 20% Flow, 40% BOD and 40% FOG
Computer Replacement Annual Fee of \$50/ERU ending in 2026

* = 1 ERU minimum charge
**= school assessed 10 ERU

	Flow		BOD		FOG	
	Percentage	Dollars	Percentage	Dollars	Percentage	Dollars
Residential	75%	\$12,000	50%	\$16,000	30%	\$9,600
Commercial	25%	\$4,000	50%	\$16,000	70%	\$22,400

57 Residential	FLOW		BOD		FOG	
	Charge		Charge		Charge	
	\$210.53		\$280.70		\$168.42	
Total Residential Fees	\$12,000.00		\$16,000.00		\$9,600.00	

until 2026
Computer Replacement \$50.00
\$2,850.00

Commercial Testing Fee

Prior Yr. Pumping

TOTAL 2023

Prior Year

ERU	Percentage	Dollars	Percentage	Dollars	Percentage	Dollars	Percentage	Dollars	Commercial Testing Fee	Computer Replacement	Prior Yr. Pumping	TOTAL 2023	Prior Year
0.51 Café	1.83%	\$210.53	0.52%	\$292.80	0.48%	\$409.92		\$1,000.00	\$50.00	*	\$0.00	\$1,963.25	\$1,816.31
2.92 Longhorn	18.37%	\$734.80	34.25%	\$2,939.20	30.75%	\$4,114.88		\$1,000.00	\$146.00		\$2,770.00	\$11,704.88	\$17,458.69
3.42 Breadfarm	16.07%	\$642.80	24.40%	\$2,571.20	31.92%	\$3,599.68		\$2,000.00	\$171.00		\$1,530.00	\$10,514.68	\$7,867.26
0.32 Tweets	1.33%	\$210.53	0.55%	\$280.70	0.45%	\$297.92		\$1,000.00	\$50.00	*	\$720.00	\$2,559.15	\$1,816.31
0.83 Mariposa	3.71%	\$210.53	1.80%	\$593.60	1.18%	\$831.04		\$1,000.00	\$50.00	*	\$1,165.00	\$3,850.17	\$1,816.31
3.44 Edison Inn	17.39%	\$695.60	24.86%	\$2,782.40	28.12%	\$3,895.36		\$1,000.00	\$172.00		\$0.00	\$8,545.36	\$15,870.56
4.08 Edison School	41.30%	\$2,105.30	13.63%	\$2,807.02	7.09%	\$1,684.21	**	\$1,000.00	\$500.00	**	\$1,443.00	\$9,539.53	\$9,163.15
Total		\$4,810.09		\$12,266.92		\$14,833.01		\$8,000.00	\$1,139.00		\$7,628.00	\$48,677.02	\$55,808.59
Total All Customers		\$16,810.09		\$28,266.92		\$24,433.01		\$8,000.00	\$3,989.00		\$7,628.00	\$89,127.02	\$102,338.59
Total						\$69,510.02							