



Chairman
Ed Lynch

TOWN OF LEDYARD CONNECTICUT

741 Colonel Ledyard Highway
Ledyard, Connecticut 06339

Water Pollution Control Authority

~ AGENDA ~

Regular Meeting

Tuesday, December 19, 2023

7:00 PM

Council Chambers - Hybrid

REMOTE MEETING INFORMATION

Meeting ID: 844 2102 1561

Passcode: 240157

Zoom meeting link:

<https://us06web.zoom.us/j/84421021561?pwd=4pbi8GiITKMh9SFXcjbhEN6FAX2BRt.1>

Dial by your location

+1 646 558 8656 US (New York)

I. CALL TO ORDER

II. ROLL CALL

III. APPOINTMENT OF ALTERNATES

IV. PLEDGE OF ALLEGIANCE

V. RESIDENTS & PROPERTY OWNERS COMMENTS

VI. REVIEW AND APPROVAL OF MINUTES

1. Motion to APPROVE Regular Meeting Minutes from November 28, 2023, as written.

Attachments: [WPCA minutes 11-28-23](#)

VII. COMMUNICATIONS AND CORRESPONDENCE

1. Operations Report.

Attachments: [11 - Ledyard Water Systems Monthly Report - November 2023](#)

2. Service Correspondence.

3. Aged Reports/Finance.

Attachments: [WPCA AGED A-R SUMMARY TREND JUNE 2023- NOVEMBER 2023](#)

4. Year to Date Water/Sewer Report.

Attachments: [Water YTD](#)
[Sewer YTD](#)

5. PSR - Steve Banks.

VIII. OLD BUSINESS

1. Review of Trail/Sewer line bids continued.
2. Any Other Old Business to come before the Authority.

IX. NEW BUSINESS

1. Dave Holdridge Correspondence from December 4, 2023 - Need for Sewers in Ledyard Center.

Attachments: [Dave Holdridge Correspondence](#)

2. Discuss OEL Report.

Attachments: [CT0727091 Led Ctr OEL report Q3 2023](#)

3. Motion to APPROVE payment of Groton Utility invoice #0023708, dated October 31, 2023, in the amount of \$267.06, for Ledyard Meter Purchases on October 20, 2023.

Attachments: [GU Inv 23708](#)

4. Motion to APPROVE payment of Groton Utilities invoice #0023710, dated October 31, 2023, in the amount of \$2,308.69, for lead services labor through October 22, 2023.

Attachments: [GU Inv 23710](#)

5. Any Other New Business to come before the Authority.
 - Discussion on Gales Ferry Intermodal, Inc, 1761 Route 12, Gales Ferry, CT

Attachments: [Gales Ferry Intermodal, Inc, 1761 Route 12, Gales Ferry, CT](#)

X. ADJOURNMENT

DISCLAIMER: Although we try to be timely and accurate these are not official records of the Town.



TOWN OF LEDYARD

741 Colonel Ledyard
Highway
Ledyard, CT 06339-1511

File #: 23-2336

Agenda Date: 12/19/2023

Agenda #: 1.

MINUTES

Minutes:

Motion to APPROVE Regular Meeting Minutes from November 28, 2023, as written.



Chairman
Ed Lynch

TOWN OF LEDYARD

Water Pollution Control Authority

Meeting Minutes

741 Colonel Ledyard Highway
Ledyard, Connecticut 06339

Regular Meeting

Tuesday, November 28, 2023

7:00 PM

Council Chambers - Hybrid

I. CALL TO ORDER

The meeting was called to order by Chairman Lynch at 7:01 p.m.

II. ROLL CALL

Present Board Member Monir Tewfik
Board Member Sharon Wadecki
Board Member Stanley Juber
Board Member Edmond Lynch
Alternate Member Jeremy Norris
Excused Board Member Terry Jones
Alternate Member Tony Capon
Non-voting Alternate Member James A. Ball

Also in attendance:
Bill Saums, Town Councilor
Mauricio Duarte, GU General Foreman Water Operations
Aaron Brooks, GU General Manager of Business Development
Mark Beauchamp, President Utility Financial Solutions

III. APPOINTMENT OF ALTERNATES

Jeremy Norris was appointed as a voting member.

IV. PLEDGE OF ALLEGIANCE

V. RESIDENTS & PROPERTY OWNERS COMMENTS

None.

VI. REVIEW AND APPROVAL OF MINUTES

1. Motion to APPROVE Regular Meeting Minutes from October 24, 2023, as written.

RESULT: APPROVED AND SO DECLARED
MOVER: Edmond Lynch
SECONDER: Sharon Wadecki

AYE 4 Tewfik Juber Lynch Norris
EXCUSED 2 Jones Capon
ABSTAIN 1 Wadecki

VII. COMMUNICATIONS AND CORRESPONDENCE

1. Operations Report.

Copper and lead testing is still being conducted.

Chairman Lynch asked how many hydrants were replaced, Mr. Duarte replied three.

RESULT: DISCUSSED

2. Service Correspondence.

None.

3. Aged Reports/Finance.

More cash was collected in the month of September than October.

The over 120 days late column is still rather low.

RESULT: DISCUSSED

4. Year to Date Water/Sewer Report.

Nothing noteworthy.

RESULT: DISCUSSED

5. PSR - Steve Banks.

Steve Banks, WPCA Supervisor reported that the pump project is completed, he is just waiting for the final invoices to come in.

RESULT: DISCUSSED

VIII. OLD BUSINESS

1. Water Rate Structure Study.

Chairman Lynch noted that in order to do a cost of service study a capital budget is needed. Technically the WPCA doesn't have a formal capital budget, although money is saved each year. He then turned the discussion over to Aaron Brooks, GU General Manager of Business Development.

Mr. Brooks started with a brief status update and reported that everything is going very well. He said that Tina Daniels, GU Customer Service General Manager and Ian Stammel, Assistant Finance Director have been busy gathering information for the Utility Financial Solutions team. Mr. Brooks said as far as the Capital budget the UFS team will take into consideration the fact that the WPCA is budgeting money. He added that part of the UFS process is to help with setting

up a financial plan. Mr. Brooks said that GU has been working with the team for approximately nine years. UFS has helped GU in all aspects including electric, water, wastewater, cost of service study, rate design and strategic financial planning. UFS has been instrumental to GU and they have GU's full confidence. Mr. Brooks then turned the discussion over to Mark Beauchamp, President Utility Financial Solutions.

Mr. Beauchamp started by giving a background of UFS. He said the company was formed in 2001. He has worked with UFS for approximately 17 years. UFS has done work in 44 states plus the Islands of Guam, Barbados and Bermuda. To date UFS has completed more than 2000 rate studies around the world. Mr. Beauchamp explained that cost of service study has four main components;

- Long term financial projection including debt coverage ratios, minimum cash reserves, and target operating income.
- Review Cost of Service results.
- Presentation on the financial projection and the cost of service.
- Guidance on Rate Design.

Bill Saums, Town Councilor commented that although the WPCA doesn't have debt the Town does and the WPCA covers it. He said this debt should be included in the study. Mr. Beauchamp replied that he has already spoke with the analyst and they have those debt numbers.

Assumptions - whenever a financial model is built looking forward certain assumptions need to be made such change in cost, spending of capital, inflation and growth. These assumptions are combined with projected revenues and expenses to look long term (with no rate adjustments) to see how the financial future will look.

Debt coverage ratio basically looks at how much cash is generated on an annual basis compared to the annual debt service payment. For Utilities that issue revenue bonds there are ordinances that specify what coverage ratios they need to maintain. In the case of the Ledyard WPCA it appears that the debt falls under general obligation bonds which doesn't come with specific coverage ratios but nonetheless the WPCA needs to maintain adequate debt coverage even though it isn't a legal requirement.

The projected rate track evaluates debt coverage ratio, cash reserves and optimal operating income.

Chairman Lynch asked when the report will be completed. Mr. Beauchamp said he spoke with the analyst earlier and it appears that they have everything needed to move forward. He predicts it will be ready for WPCA review in a couple of months. Chairman Lynch said that would work out well since it will be ready before budget season.

Mr. Brooks asked when the WPCA budget needs to be completed. It was answered that it needs to be approved and submitted to the Town by the first week in March 2024.

RESULT: DISCUSSED

2. Review of Trail/Sewer line bids continued.

Chairman Lynch explained that the trail has a strict protocol that needs to be followed since it is DOT funded. The protocol is expensive to follow. The bid was approximately \$200,000 over the trail budget, however the DOT states that if the Town is over budget because the Town is following its protocols then it will provide more funding. The Mayor told Chairman Lynch that he wants the AARPA money either spent or committed by the end of 2024 otherwise the money will be lost. The Mayor provided a list of priorities. Chairman Lynch thought it would be a top priority to get W&S to start designing Phase III (the five-inch line). Chairman Lynch feels the bid came in too low and wanted W&S to review it. The only issue that came from up the bid was the kind of pipe being used, it should be an HDP pipe, which is more expensive. The contractor said he could get and install HDP pipe. Chairman Lynch called a few suppliers to see if the pipe was available and it is.

Ms. Wadecki asked where the sewer line will start. Chairman Lynch answered at the access road near the Bill Library. Mr. Ball looked at the plans and confirmed that it would go on the west side of the Ledyard Congregational Church parking lot driveway. Ms. Wadecki asked if a right-of-way is needed. Mr. Ball answered no, because it is not on the Church's property line.

Chairman Lynch explained that the line was intended for commercial and/or high-density housing. The WPCA is providing the line but not pump stations, the developer would have that responsibility. Ms. Wadecki agreed that the Phase III design should be started ASAP although she questioned why all of the Mayor's suggestions are for housing when the intention was for commercial. Mr. Saums said part of the economic development for Ledyard Center includes increasing the population density in Ledyard Center so that there is more businesses. In other words, more consumers to support the local businesses which in turn attracts more businesses. Without more people living in Ledyard Center the less businesses will want to move there. Mr. Saums said not only is it important to attract new businesses but it's also important to keep businesses already in the Center so they don't leave Ledyard, increasing the population density will help both of these goals.

Motion to APPROVE allowing Chairman Lynch to contact Weston & Samson to obtain a quote for design of the Ledyard Center Trail and Sewer Line Project Phase III.

Note -this motion is only to ask W&S for the Phase III design. The acceptance of the design will be voted on at a later date.

Mr. Saums said this still leaves the issue of what to do if the sewer bids are lower than expected. The Town has 1.2 million appropriated and if the cost of the project comes in lower the money will have to be given back to the State because these funds must be spent on the sewer plan. The funds need to be committed by the end of 2024. One solution is to add more to Phase I. Once the bids are received the WPCA will discuss further.

RESULT: APPROVED AND SO DECLARED

MOVER: Edmond Lynch

SECONDER: Sharon Wadecki

AYE 5 Tewfik Wadecki Juber Lynch Norris

EXCUSED 2 Jones Capon

3. Motion to APPROVE change of previously approved meeting date from January 21, 2025, to January 28, 2025.

RESULT: APPROVED AND SO DECLARED

MOVER: Edmond Lynch

SECONDER: Sharon Wadecki

AYE 5 Tewfik Wadecki Juber Lynch Norris

EXCUSED 2 Jones Capon

4. Any Other Old Business to come before the Authority.

Mr. Saums said this was his last meeting for the Town of Ledyard and his last as Liaison for the WPCA. He added that he is very proud of the work that the WPCA has done. Chairman Lynch thanked Mr. Saums for all of his work.

IX. NEW BUSINESS

1. Motion to APPROVE payment to Groton Utilities invoice #0023657, dated September 30, 2023, in the amount of \$672.36 for labor from August 23 - September 1, 2023.

Chairman Lynch asked Mr. Duarte what exactly the labor on the invoice was for. He answered it was for lead service for the report that needs to be submitted to DPH in October 2024.

RESULT: APPROVED AND SO DECLARED

MOVER: Edmond Lynch

SECONDER: Sharon Wadecki

AYE 5 Tewfik Wadecki Juber Lynch Norris

EXCUSED 2 Jones Capon

2. Release of Tax Assessments for Water.

No discussion needed.

3. Any Other New Business to come before the Authority.

None.

X. ADJOURNMENT

Motion to ADJOURN the Regular Meeting at 8:24 p.m.

RESULT: APPROVED AND SO DECLARED

MOVER: Edmond Lynch

SECONDER: Sharon Wadecki

AYE 5 Tewfik Wadecki Juber Lynch Norris

EXCUSED 2 Jones Capon

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TOWN OF LEDYARD

741 Colonel Ledyard
Highway
Ledyard, CT 06339-1511

File #: 23-1536

Agenda Date: 12/19/2023

Agenda #: 1.

AGENDA REQUEST
GENERAL DISCUSSION ITEM

Subject:

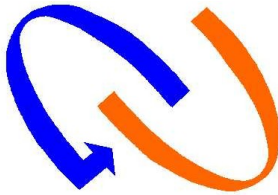
Operations Report.

Background:

(type text here)

Department Comment/Recommendation:

(type text here)



GROTON UTILITIES

Subject: Ledyard Water Systems
Monthly Report: November 2023

To: Ed Lynch, WPCA Chairman
Cc: Mark Biron, GM Operations
Joseph Pratt, Manager Water & Wastewater

From: Mauricio Duarte

Date: December 13, 2023

Water Operations and Maintenance Monthly Report and Updates for November 2023.

Operations:

- Daily rounds of all systems
- Operation and maintenance
- Manage water storage tanks

Laboratory:

- Distribution system sample testing per CTDPH schedule (microbiological & physical analyses). All results met CTDPH standards.
- Submitted results of monthly microbiological & physical analyses to CTDPH via CMDP (Compliance Monitoring Data Portal) as required.
- Completed data entry and e-mailed all required monthly forms to CTDPH.
- Routine flushing of specific hydrants and blow-offs to lower water age in both the Ledyard Center and Gales Ferry systems were concluded in November; this work has been conducted as part of our efforts to maintain the lowest THM levels possible in both systems. We have improved chlorine residuals as the flushing and efforts at turning over the water in Ledyard Center Tank have continued. It should be noted that all our weekly water testing for chlorine, bacteria, and physicals continue to meet DPH drinking water standards.

- Ledyard Center lead and copper samples (40 samples), as well as Gales Ferry lead and copper samples (20 samples), were collected in November. We anticipate that all Pb/Cu results will be completed by the end of December.
- Groton Utilities discontinued blending several raw water sources at the Poquonnock Reservoir intake this month in order to allow these resources to recharge. We anticipate restarting some blending at the beginning of next year. This blending continues to reduce TOCs at GU's Point of Entry (POE) and has resulted in reduced THMs in both Gales Ferry and Ledyard Center.
- Q4 2022 THM/HAA5 samples were collected in October in Ledyard Center, and Gales Ferry THMs/HAA5s were collected in November, in accordance with their DPH schedules. These samples are sent to a sub-contract lab for analysis. The third quarter OEL for Ledyard Center was submitted to the state and DPH responded they have received it.

Distribution:

- Gate valve inspection in Gales Ferry and hydrant repair in Ledyard Center due to a car accident.
- All cross connection inspections were conducted for year 2023. Currently preparing the State report that is due at the beginning of 2024.
- Completed hydrant winterizing in both Ledyard and Gales Ferry during the month of November.
- The Meter Shop handled the trouble reports that were found after water reads were completed.



TOWN OF LEDYARD

741 Colonel Ledyard
Highway
Ledyard, CT 06339-1511

File #: 23-1680

Agenda Date: 12/19/2023

Agenda #: 2.

AGENDA REQUEST
GENERAL DISCUSSION ITEM

Subject:

Service Correspondence.

Background:

(type text here)

Department Comment/Recommendation:

(type text here)



TOWN OF LEDYARD

741 Colonel Ledyard
Highway
Ledyard, CT 06339-1511

File #: 23-1681

Agenda Date: 12/19/2023

Agenda #: 3.

AGENDA REQUEST
GENERAL DISCUSSION ITEM

Subject:

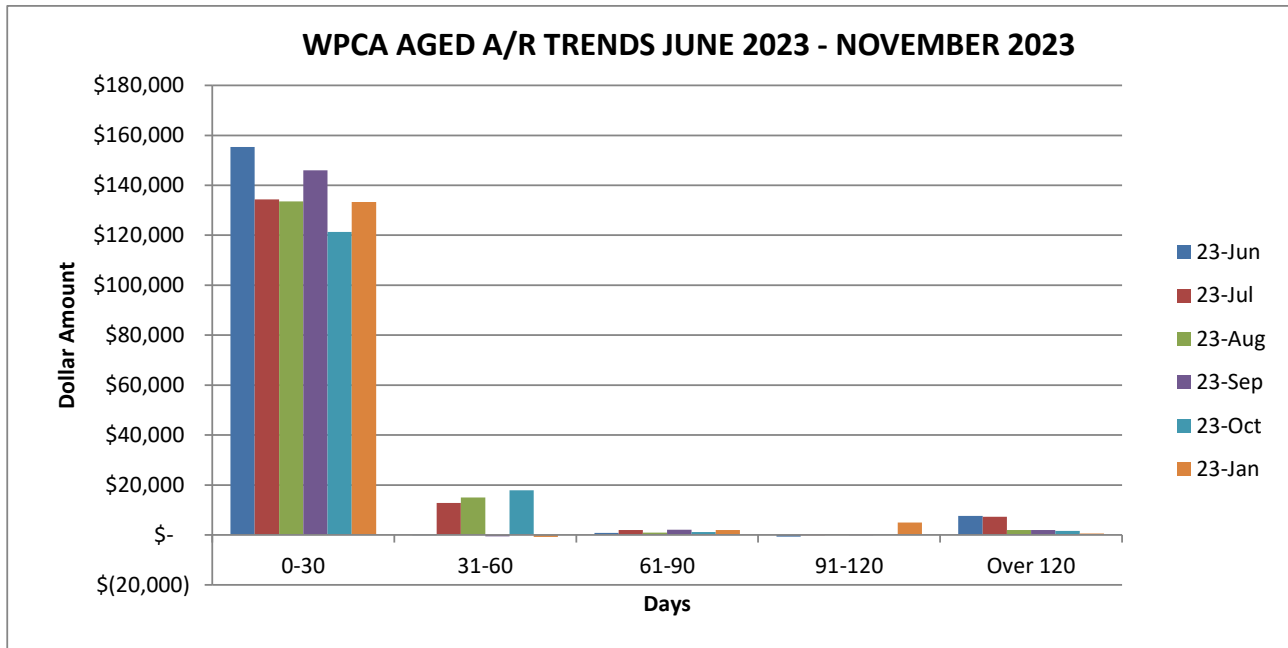
Aged Reports/Finance.

Background:

(type text here)

Department Comment/Recommendation:

(type text here)



JUNE	JUNE	JUNE	JUNE	JUNE	
0-30	31-60	61-90	91-120	OVER 120	
\$ 155,351	\$ (109)	\$ 857	\$ (693)	\$ 7,656	\$ 163,061

JULY	JULY	JULY	JULY	JULY	
0-30	31-60	61-90	91-120	OVER 120	
\$ 134,350	\$ 12,789	\$ 1,965	\$ (48)	\$ 7,218	\$ 156,274

AUG	AUG	AUG	AUG	AUG	
0-30	31-60	61-90	91-120	OVER 120	
\$ 133,559	\$ 15,040	\$ 915	\$ 254	\$ 1,923	\$ 151,691

SEPT	SEPT	SEPT	SEPT	SEPT	
0-30	31-60	61-90	91-120	OVER 120	
\$ 146,046	\$ (566)	\$ 2,099	\$ (17)	\$ 1,919	\$ 149,480

OCT	OCT	OCT	OCT	OCT	
0-30	31-60	61-90	91-120	OVER 120	
\$ 121,368	\$ 17,885	\$ 1,135	\$ 163	\$ 1,673	\$ 142,225

NOV	NOV	NOV	NOV	NOV	
0-30	31-60	61-90	91-120	OVER 120	
\$ 133,322	\$ (795)	\$ 1,998	\$ 4,983	\$ 572	\$ 140,080

Foot Notes:

Cash Collected in the month of October 2023: \$143,013.84



TOWN OF LEDYARD

741 Colonel Ledyard
Highway
Ledyard, CT 06339-1511

File #: 23-1682

Agenda Date: 12/19/2023

Agenda #: 4.

AGENDA REQUEST
GENERAL DISCUSSION ITEM

Subject:

Year to Date Water/Sewer Report.

Background:

(type text here)

Department Comment/Recommendation:

(type text here)

Town and Schools of Ledyard

YEAR-TO-DATE BUDGET REPORT

FOR 2024 05							
	ORIGINAL APPROP	TRANFRS/ ADJSTMTS	REVISED BUDGET	YTD ACTUAL	ENCUMBRANCES	AVAILABLE BUDGET	PCT USE/COL
5059001 OTHER-GEN - GRANTS/CONTR							
5059001 49002 TRANS IN	-388,678	0	-388,678	.00	.00	-388,678.27	.0%
TOTAL OTHER-GEN - GRANTS/CONTR	-388,678	0	-388,678	.00	.00	-388,678.27	.0%
TOTAL REVENUES	-388,678	0	-388,678	.00	.00	-388,678.27	
50590991 CONTRIBUTION TO CNR							
50590991 59305 CONT CNR	130,000	0	130,000	.00	.00	130,000.00	.0%
TOTAL CONTRIBUTION TO CNR	130,000	0	130,000	.00	.00	130,000.00	.0%
TOTAL EXPENSES	130,000	0	130,000	.00	.00	130,000.00	
50591603 SOURCE OF SUPPLY							
50591603 58100 DUES FEES	3,100	0	3,100	568.74	.00	2,531.26	18.3%*
TOTAL SOURCE OF SUPPLY	3,100	0	3,100	568.74	.00	2,531.26	18.3%
TOTAL EXPENSES	3,100	0	3,100	568.74	.00	2,531.26	
50591623 POWER PURCHASED							
50591623 56225 POWER PURC	10,000	0	10,000	1,764.55	8,235.45	.00	100.0%*
TOTAL POWER PURCHASED	10,000	0	10,000	1,764.55	8,235.45	.00	100.0%
TOTAL EXPENSES	10,000	0	10,000	1,764.55	8,235.45	.00	
50591626 GU OPERATION-EMERGENCY							
50591626 53720 GU OP EMER	9,000	0	9,000	8,031.03	865.97	103.00	98.9%*
TOTAL GU OPERATION-EMERGENCY	9,000	0	9,000	8,031.03	865.97	103.00	98.9%
TOTAL EXPENSES	9,000	0	9,000	8,031.03	865.97	103.00	
50591627 GU OPERATING AGREEMENT ANNUAL							

Town and Schools of Ledyard

YEAR-TO-DATE BUDGET REPORT

FOR 2024 05							
50591627 GU OPERATING AGREEMENT ANNUAL	ORIGINAL APPROP	TRANFRS/ ADJSTMTS	REVISED BUDGET	YTD ACTUAL	ENCUMBRANCES	AVAILABLE BUDGET	PCT USE/COL
50591627 53725 GU OPS ANN	298,120	0	298,120	99,373.32	198,746.68	.00	100.0%*
50591627 53726 GU CUST SE	96,632	0	96,632	32,214.16	53,785.84	10,632.18	89.0%*
TOTAL GU OPERATING AGREEMENT ANNUAL	394,752	0	394,752	131,587.48	252,532.52	10,632.18	97.3%
TOTAL EXPENSES	394,752	0	394,752	131,587.48	252,532.52	10,632.18	
50591663 METER/SYSTEMS EXPENSE							
50591663 54110 RTE 12 MET	257,576	0	257,576	130,575.27	119,424.73	7,576.05	97.1%*
50591663 54115 RTE 117 WT	252,515	0	252,515	117,242.52	135,257.48	14.51	100.0%*
50591663 54120 METERS	16,000	0	16,000	.00	10,000.00	6,000.00	62.5%*
TOTAL METER/SYSTEMS EXPENSE	526,091	0	526,091	247,817.79	264,682.21	13,590.56	97.4%
TOTAL EXPENSES	526,091	0	526,091	247,817.79	264,682.21	13,590.56	
50591921 MISC							
50591921 54420 FIN SERV	26,000	0	26,000	.00	.00	26,000.00	.0%
50591921 54506 FIRE HYDRA	5,000	0	5,000	.00	.00	5,000.00	.0%
50591921 58810 GOBONDPR	85,275	0	85,275	.00	.00	85,274.54	.0%
50591921 58811 GOBONDINT	5,782	0	5,782	.00	.00	5,782.03	.0%
50591921 58820 CWF PRIN	250,644	0	250,644	.00	.00	250,643.62	.0%
50591921 58821 CWF INT	46,978	0	46,978	12,215.79	.00	34,762.29	26.0%*
50591921 58822 LOAN PMT	12,500	0	12,500	.00	.00	12,500.00	.0%
TOTAL MISC	432,178	0	432,178	12,215.79	.00	419,962.48	2.8%
TOTAL EXPENSES	432,178	0	432,178	12,215.79	.00	419,962.48	
50591923 PROFESSIONAL FEES							
50591923 53600 ACCTG SERV	9,738	0	9,738	4,250.00	.00	5,488.00	43.6%*
TOTAL PROFESSIONAL FEES	9,738	0	9,738	4,250.00	.00	5,488.00	43.6%
TOTAL EXPENSES	9,738	0	9,738	4,250.00	.00	5,488.00	
50591926 BENEFITS							
50591926 52300 RETIREMENT	3,865	0	3,865	.00	.00	3,865.31	.0%

YEAR-TO-DATE BUDGET REPORT

FOR 2024 05							
50591926 BENEFITS	ORIGINAL APPROP	TRANFRS/ ADJSTMTS	REVISED BUDGET	YTD ACTUAL	ENCUMBRANCES	AVAILABLE BUDGET	PCT USE/COL
TOTAL BENEFITS	3,865	0	3,865	.00	.00	3,865.31	.0%
TOTAL EXPENSES	3,865	0	3,865	.00	.00	3,865.31	
5059801 WATER-CHARGE / SERVICE							
5059801 46045 NEW METER	-5,000	0	-5,000	.00	.00	-5,000.00	.0%
5059801 46046 WATER MISC	-3,000	0	-3,000	4,048.15	.00	-7,048.15	-134.9%*
5059801 46048 TIE IN	-5,000	0	-5,000	-2,660.00	.00	-2,340.00	53.2%
5059801 46049 TRANS FEE	-21,000	0	-21,000	-4,027.41	.00	-16,972.59	19.2%
5059801 46050 WATER USE	-1,081,646	0	-1,081,646	-479,160.04	.00	-602,486.01	44.3%
5059801 46051 WATER LATE	0	0	0	-562.96	.00	562.96	100.0%
5059801 46053 WATER ASSE	0	0	0	-2,426.69	.00	2,426.69	100.0%
5059801 46054 HYDRANT	-14,400	0	-14,400	.00	.00	-14,400.00	.0%
TOTAL WATER-CHARGE / SERVICE	-1,130,046	0	-1,130,046	-484,788.95	.00	-645,257.10	42.9%
TOTAL REVENUES	-1,130,046	0	-1,130,046	-484,788.95	.00	-645,257.10	
GRAND TOTAL	0	0	0	-78,553.57	526,316.15	-447,762.58	100.0%

** END OF REPORT - Generated by Ian Stammel **

YEAR-TO-DATE BUDGET REPORT

REPORT OPTIONS

	Field #	Total	Page Break
Sequence 1	9	Y	N
Sequence 2	0	N	N
Sequence 3	0	N	N
Sequence 4	0	N	N

Report title:
YEAR-TO-DATE BUDGET REPORT

Includes accounts exceeding 0% of budget.
Print totals only: N
Print Full or Short description: S
Print full GL account: N
Format type: 1
Double space: N
Suppress zero bal accts: Y
Include requisition amount: N
Print Revenues-Version headings: N
Print revenue as credit: Y
Print revenue budgets as zero: N
Include Fund Balance: N
Print journal detail: N
From Yr/Per: 2022/ 1
To Yr/Per: 2022/12
Include budget entries: Y
Incl encumb/liq entries: Y
Sort by JE # or PO #: J
Detail format option: 1
Include additional JE comments: N
Multiyear view: D
Amounts/totals exceed 999 million dollars: N

Year/Period: 2024/ 5
Print MTD Version: N

Roll projects to object: N
Carry forward code: 1

Find Criteria	
Field Name	Field value
Fund	0505
TWN FUNCTION	
DEPT / LOCAT	
SDEP/BOEFUNC	
Character Code	
Org	
Object	
Project	
Account type	
Account status	
Rollup Code	

Town and Schools of Ledyard

YEAR-TO-DATE BUDGET REPORT

FOR 2024 05							
	ORIGINAL APPROP	TRANFRS/ ADJSTMTS	REVISED BUDGET	YTD ACTUAL	ENCUMBRANCES	AVAILABLE BUDGET	PCT USE/COL
5019001 OTHER-GEN - GRANTS/CONTR							
5019001 49002 TRANS IN	-153,485	0	-153,485	.00	.00	-153,484.98	.0%
TOTAL OTHER-GEN - GRANTS/CONTR	-153,485	0	-153,485	.00	.00	-153,484.98	.0%
TOTAL REVENUES	-153,485	0	-153,485	.00	.00	-153,484.98	
50190603 SOURCE OF SUPPLY							
50190603 54225 SLUDGE HAU	17,300	0	17,300	3,190.48	11,809.52	2,300.00	86.7%*
50190603 58100 DUES FEES	3,100	0	3,100	1,739.93	27.50	1,332.57	57.0%*
TOTAL SOURCE OF SUPPLY	20,400	0	20,400	4,930.41	11,837.02	3,632.57	82.2%
TOTAL EXPENSES	20,400	0	20,400	4,930.41	11,837.02	3,632.57	
50190611 MAINTENANCE OF STRUCTURE							
50190611 54510 ELECTRICIA	3,000	0	3,000	451.58	548.42	2,000.00	33.3%*
TOTAL MAINTENANCE OF STRUCTURE	3,000	0	3,000	451.58	548.42	2,000.00	33.3%
TOTAL EXPENSES	3,000	0	3,000	451.58	548.42	2,000.00	
50190620 WAGES (SEWER)							
50190620 51305 OT/SEASON	15,000	0	15,000	6,577.78	.00	8,422.22	43.9%*
50190620 51705 LONGEVITY	500	0	500	.00	.00	500.00	.0%
TOTAL WAGES (SEWER)	15,500	0	15,500	6,577.78	.00	8,922.22	42.4%
TOTAL EXPENSES	15,500	0	15,500	6,577.78	.00	8,922.22	
50190621 EMPLOYEE UNIFORMS							
50190621 52160 EE UNIFORM	1,000	0	1,000	.00	300.00	700.00	30.0%*
TOTAL EMPLOYEE UNIFORMS	1,000	0	1,000	.00	300.00	700.00	30.0%
TOTAL EXPENSES	1,000	0	1,000	.00	300.00	700.00	

Town and Schools of Ledyard

YEAR-TO-DATE BUDGET REPORT

FOR 2024 05							
50190623 POWER PURCHASED	ORIGINAL APPROP	TRANFRS/ ADJSTMTS	REVISED BUDGET	YTD ACTUAL	ENCUMBRANCES	AVAILABLE BUDGET	PCT USE/COL
50190623 POWER PURCHASED							
50190623 56200 HEAT	3,000	0	3,000	.00	.00	3,000.00	.0%
50190623 56220 ELECTRICIT	50,000	0	50,000	15,574.87	14,425.13	20,000.00	60.0%*
50190623 56261 GAS/DESIEL	4,500	0	4,500	1,871.74	1,128.26	1,500.00	66.7%*
TOTAL POWER PURCHASED	57,500	0	57,500	17,446.61	15,553.39	24,500.00	57.4%
TOTAL EXPENSES	57,500	0	57,500	17,446.61	15,553.39	24,500.00	
50190624 PUMPING SUPPLY & EXPENSE							
50190624 56914 PUMP SUPP	3,300	0	3,300	540.00	1,460.00	1,300.00	60.6%*
TOTAL PUMPING SUPPLY & EXPENSE	3,300	0	3,300	540.00	1,460.00	1,300.00	60.6%
TOTAL EXPENSES	3,300	0	3,300	540.00	1,460.00	1,300.00	
50190641 CHEMICALS							
50190641 56912 CHEMICALS	23,000	0	23,000	9,859.44	9,609.46	3,531.10	84.6%*
TOTAL CHEMICALS	23,000	0	23,000	9,859.44	9,609.46	3,531.10	84.6%
TOTAL EXPENSES	23,000	0	23,000	9,859.44	9,609.46	3,531.10	
50190643 TREATMENT EXPENSE							
50190643 56916 TRTMT EXP	7,500	0	7,500	2,547.50	4,352.50	600.00	92.0%*
TOTAL TREATMENT EXPENSE	7,500	0	7,500	2,547.50	4,352.50	600.00	92.0%
TOTAL EXPENSES	7,500	0	7,500	2,547.50	4,352.50	600.00	
50190663 METER EXPENSE							
50190663 53710 MTR CALIBR	750	0	750	.00	.00	750.00	.0%
TOTAL METER EXPENSE	750	0	750	.00	.00	750.00	.0%
TOTAL EXPENSES	750	0	750	.00	.00	750.00	

Town and Schools of Ledyard

YEAR-TO-DATE BUDGET REPORT

FOR 2024 05							
50190673 MAINTENANCE OF MAINS	ORIGINAL APPROP	TRANFRS/ ADJSTMTS	REVISED BUDGET	YTD ACTUAL	ENCUMBRANCES	AVAILABLE BUDGET	PCT USE/COL
50190673 MAINTENANCE OF MAINS							
50190673 54515 MNT MAINS	3,000	0	3,000	.00	.00	3,000.00	.0%
TOTAL MAINTENANCE OF MAINS	3,000	0	3,000	.00	.00	3,000.00	.0%
TOTAL EXPENSES	3,000	0	3,000	.00	.00	3,000.00	
50190678 MAINTENANCE OF MISC. PLANT							
50190678 54505 MNT MISC P	12,000	0	12,000	6,004.15	3,085.63	2,910.22	75.7%*
50190678 56802 SFTY EQUIP	1,000	0	1,000	.00	250.00	750.00	25.0%*
50190678 56804 LAB EQP	2,900	0	2,900	253.30	150.00	2,496.70	13.9%*
TOTAL MAINTENANCE OF MISC. PLANT	15,900	0	15,900	6,257.45	3,485.63	6,156.92	61.3%
TOTAL EXPENSES	15,900	0	15,900	6,257.45	3,485.63	6,156.92	
50190920 PLANT OPERATIONS WAGES							
50190920 51610 SPVR SAL	91,609	0	91,609	36,607.29	.00	55,001.73	40.0%*
50190920 51635 SHIFT OPER	75,046	0	75,046	30,354.00	.00	44,692.40	40.4%*
50190920 51640 LAB TECH	52,021	0	52,021	20,148.00	.00	31,872.80	38.7%*
TOTAL PLANT OPERATIONS WAGES	218,676	0	218,676	87,109.29	.00	131,566.93	39.8%
TOTAL EXPENSES	218,676	0	218,676	87,109.29	.00	131,566.93	
50190921 MISC							
50190921 54150 LAKESIDE	2,500	0	2,500	.00	.00	2,500.00	.0%
50190921 54420 FIN SERV	14,000	0	14,000	.00	.00	14,000.00	.0%
50190921 56100 OPER EXP	11,000	0	11,000	1,846.80	3,721.20	5,432.00	50.6%*
50190921 58810 GOBONDPR	117,388	0	117,388	.00	.00	117,388.24	.0%
50190921 58811 GOBONDINT	36,097	0	36,097	1,506.73	.00	34,590.01	4.2%*
TOTAL MISC	180,985	0	180,985	3,353.53	3,721.20	173,910.25	3.9%
TOTAL EXPENSES	180,985	0	180,985	3,353.53	3,721.20	173,910.25	
50190923 PROFESSIONAL FEES							
50190923 53600 ACCTG SERV	3,000	0	3,000	750.00	.00	2,250.00	25.0%*

YEAR-TO-DATE BUDGET REPORT

FOR 2024 05								
50190923 PROFESSIONAL FEES	ORIGINAL APPROP	TRANFRS/ ADJSTMTS	REVISED BUDGET	YTD ACTUAL	ENCUMBRANCES	AVAILABLE BUDGET	PCT USE/COL	
50190923 53705 LAB TESTS	7,000	0	7,000	2,696.00	2,304.00	2,000.00	71.4%*	
50190923 58110 TMDs	1,500	0	1,500	166.91	1,123.09	210.00	86.0%*	
TOTAL PROFESSIONAL FEES	11,500	0	11,500	3,612.91	3,427.09	4,460.00	61.2%	
TOTAL EXPENSES	11,500	0	11,500	3,612.91	3,427.09	4,460.00		
50190926 BENEFITS								
50190926 52000 HLTHCARE	50,565	0	50,565	.00	.00	50,564.54	.0%	
50190926 52300 RETIREMENT	19,902	0	19,902	.00	.00	19,901.98	.0%	
50190926 52500 SOCSEC	16,746	0	16,746	.00	.00	16,746.22	.0%	
50190926 52900 GG WORKCOM	8,463	0	8,463	.00	.00	8,462.77	.0%	
TOTAL BENEFITS	95,676	0	95,676	.00	.00	95,675.51	.0%	
TOTAL EXPENSES	95,676	0	95,676	.00	.00	95,675.51		
50190933 TRANSPORTATION EXPENSE								
50190933 54305 CAR MNTNC	1,900	1,700	3,600	2,281.67	918.33	400.00	88.9%*	
TOTAL TRANSPORTATION EXPENSE	1,900	1,700	3,600	2,281.67	918.33	400.00	88.9%	
TOTAL EXPENSES	1,900	1,700	3,600	2,281.67	918.33	400.00		
50190990 CAPITAL								
50190990 57505 SEWER TIE	1,000	0	1,000	.00	.00	1,000.00	.0%	
TOTAL CAPITAL	1,000	0	1,000	.00	.00	1,000.00	.0%	
TOTAL EXPENSES	1,000	0	1,000	.00	.00	1,000.00		
50190991 CONTINGENCY								
50190991 58910 CONTINGENC	10,710	-1,700	9,010	3,520.72	3,338.74	2,150.54	76.1%*	
50190991 59305 CONT CNR	20,000	0	20,000	.00	.00	20,000.00	.0%	
TOTAL CONTINGENCY	30,710	-1,700	29,010	3,520.72	3,338.74	22,150.54	23.6%	
TOTAL EXPENSES	30,710	-1,700	29,010	3,520.72	3,338.74	22,150.54		

YEAR-TO-DATE BUDGET REPORT

FOR 2024 05							
50191627 GU OPERATING AGREEMENT	ORIGINAL APPROP	TRANFRS/ ADJSTMTS	REVISED BUDGET	YTD ACTUAL	ENCUMBRANCES	AVAILABLE BUDGET	PCT USE/COL
50191627 GU OPERATING AGREEMENT							
50191627 53726 GU CUST SE	15,731	0	15,731	5,244.16	8,755.84	1,730.80	89.0%*
TOTAL GU OPERATING AGREEMENT	15,731	0	15,731	5,244.16	8,755.84	1,730.80	89.0%
TOTAL EXPENSES	15,731	0	15,731	5,244.16	8,755.84	1,730.80	
5019701 SEWER-CHARGE / SERVICE							
5019701 46020 SEWERUSE	-553,043	0	-553,043	-174,917.00	.00	-378,125.53	31.6%
5019701 46021 SEWER LATE	-500	0	-500	-45,676.52	.00	45,176.52	9135.3%
TOTAL SEWER-CHARGE / SERVICE	-553,543	0	-553,543	-220,593.52	.00	-332,949.01	39.9%
TOTAL REVENUES	-553,543	0	-553,543	-220,593.52	.00	-332,949.01	
5019702 SEWER-GRANTS/CONTR							
5019702 42029 STATE GRAN	0	0	0	-134.00	.00	134.00	100.0%
TOTAL SEWER-GRANTS/CONTR	0	0	0	-134.00	.00	134.00	100.0%
TOTAL REVENUES	0	0	0	-134.00	.00	134.00	
GRAND TOTAL	0	0	0	-66,994.47	67,307.62	-313.15	100.0%

** END OF REPORT - Generated by Ian Stammel **

YEAR-TO-DATE BUDGET REPORT

REPORT OPTIONS

	Field #	Total	Page Break
Sequence 1	9	Y	N
Sequence 2	0	N	N
Sequence 3	0	N	N
Sequence 4	0	N	N

Report title:
YEAR-TO-DATE BUDGET REPORT

Includes accounts exceeding 0% of budget.

Print totals only: N

Print Full or Short description: S

Print full GL account: N

Format type: 1

Double space: N

Suppress zero bal accts: Y

Include requisition amount: N

Print Revenues-Version headings: N

Print revenue as credit: Y

Print revenue budgets as zero: N

Include Fund Balance: N

Print journal detail: N

From Yr/Per: 2022/ 1

To Yr/Per: 2022/12

Include budget entries: Y

Incl encumb/liq entries: Y

Sort by JE # or PO #: J

Detail format option: 1

Include additional JE comments: N

Multiyear view: D

Amounts/totals exceed 999 million dollars: N

Year/Period: 2024/ 5

Print MTD Version: N

Roll projects to object: N

Carry forward code: 1

Find Criteria

Field Name	Field value
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Fund	0501
------	------

TWN FUNCTION

DEPT / LOCAT

SDEP/BOEFUNC

Character Code

Org

Object

Project

Account type

Account status

Rollup Code



TOWN OF LEDYARD

741 Colonel Ledyard
Highway
Ledyard, CT 06339-1511

File #: 23-1838

Agenda Date: 12/19/2023

Agenda #: 5.

AGENDA REQUEST
GENERAL DISCUSSION ITEM

Subject:

PSR - Steve Banks.

Background:

(type text here)

Department Comment/Recommendation:

(type text here)



TOWN OF LEDYARD

741 Colonel Ledyard
Highway
Ledyard, CT 06339-1511

File #: 23-2296

Agenda Date: 12/19/2023

Agenda #: 1.

AGENDA REQUEST
GENERAL DISCUSSION ITEM

Subject:

Review of Trail/Sewer line bids continued.

Background:

Review the Engineering bid for Phase III if available.

Department Comment/Recommendation:

(type text here)



TOWN OF LEDYARD

741 Colonel Ledyard
Highway
Ledyard, CT 06339-1511

File #: 23-1839

Agenda Date: 12/19/2023

Agenda #: 2.

AGENDA REQUEST
GENERAL DISCUSSION ITEM

Subject:

Any Other Old Business to come before the Authority.

Background:

(type text here)

Department Comment/Recommendation:

(type text here)



TOWN OF LEDYARD

741 Colonel Ledyard
Highway
Ledyard, CT 06339-1511

File #: 23-2338

Agenda Date: 12/19/2023

Agenda #: 1.

AGENDA REQUEST
GENERAL DISCUSSION ITEM

Subject:

Dave Holdridge Correspondence from December 4, 2023 - Need for Sewers in Ledyard Center.

Background:

(type text here)

Department Comment/Recommendation:

(type text here)

Fred and Ed,

Bill filled me in on the background of the letter from Dave Holdridge.

I would like to see a motion on the next agenda that endorses the addition of a phase to the project (in order to utilize federal funding) which addresses the decades-old desire to have sewer in Ledyard Center to promote the economic development of the Town center. The motion should not be worded in a way that suggests the new phase is intended to support future housing development or the potential Habitat project. If necessary, the motion should authorize the preliminary design of the new phase.

If there is time sensitivity here, we should consider a special meeting since we don't meet until the end of the month and the holidays are upon us.

Terry

On Tuesday, December 5, 2023 at 11:12:39 AM EST, stanjub@juno.com <stanjub@juno.com> wrote:

It appears that Dave is misinformed about the position of the WPCA. A sewer line IS in the process of being extended to Ledyard Center, and the WPCA was the motivating force behind that.

Maybe he could be more specific about what he means by "extend the sewer line to all of Ledyard Center"? Is there a specific property or area that he has in mind? Does he want to expand the capacity of the treatment plant to handle any potential development?

Stan

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

From: Christina Hostetler <mayor.clerk@ledyardct.org>

To: Ed Lynch <catalyst05@comcast.net>, Jeremy Norris <jeremyrnorris@gmail.com>, "Jim Ball " <jimaball@earthlink.net>, "Kevin J. Dombrowski" <KJDom@ledyardct.org>, Monir Tewfik <monirtewfik@gmail.com>, "swadecki@comcast.net" <swadecki@comcast.net>, Stan Juber <stanjub@juno.com>, "ftjones@prodigy.net" <ftjones@prodigy.net>, "tcapon@pitt.edu" <tcapon@pitt.edu>

Cc: "Fred Allyn, III" <mayor@ledyardct.org>, Roxanne Maher <council@ledyardct.org>

Subject: FW: Need for Sewers in Ledyard Center

Date: Tue, 5 Dec 2023 14:11:09 +0000

From: David Holdridge <daveholdridge@aol.com>

Sent: Monday, December 4, 2023 4:19 PM

To: Christina Hostetler <mayor.clerk@ledyardct.org>

Subject: Need for Sewers in Ledyard Center

Christina, Please forward this to WPCA members, also copy the Mayor and Town Council Liaison.

We heard that there has been some hesitation in the Ledyard WPCA about extending the sewer line to Ledyard Center. Of course, it has been a long term goal in our community to bring public sewers to Ledyard Center. That need has been verified and supported many times over several decades of our history.

All of the renditions of our Town Plan since the 1960's have stressed that Ledyard Center is an appropriate place for village development. A typical statement in our Plans advocates for "the development of a town center with a variety of commercial, governmental, and cultural establishments."

Each year, at budget time, townspeople ask why we can't bring in more businesses to augment our tax base. However, the theory of zoning and "Smart Growth" suggest that communities should designate certain areas where commercial development is encouraged. Ledyard Center is one of the few areas in our Town where business is encouraged.

There was a "Ledyard Town Center Committee" established by the Town Council in 2007. Associated with that Committee, there was a Sewer Feasibility Study done for Ledyard Center. It found that there were limitations to using on-site septic systems because of soil conditions. Also, private landowners have financed dozens of test holes and consistently discovered a high groundwater table in Ledyard Center. This information caused the Committee to report that severe limitations would exist until we could find a solution to the septic issue. In addition, it was pointed out that nearly half of Ledyard Center is within the reservoir watershed. The watershed fact alone confirms the need for public sewers.

Nevertheless, the Town Center Committee gathered many public comments in favor of the village concept. At about the same time, an Advisory Question was placed on the Town ballot asking "Should village development be encouraged in Ledyard Center? This would include denser residential and commercial buildings..." More than 60% of voters said yes to that question.

The ongoing view of Town political leaders has been that we would like to develop the village concept for Ledyard Center if and when we could find a way to fund a

feasible solution to the sewer issue. That opportunity has now presented itself because of State and Federal grants. After all of this planning and waiting we need to stay the course and make sure that there will be plenty of capacity for all of Ledyard Center.

If we are realistic about promoting village development in Ledyard Center, we must extend the sewer line to all of Ledyard Center..

David Holdridge

daveholdridge@aol.com



TOWN OF LEDYARD

741 Colonel Ledyard
Highway
Ledyard, CT 06339-1511

File #: 23-2337

Agenda Date: 12/19/2023

Agenda #: 2.

AGENDA REQUEST
GENERAL DISCUSSION ITEM

Subject:

Discuss OEL Report.

Background:

(type text here)

Department Comment/Recommendation:

(type text here)



At Your Service

December 4, 2023

Connecticut Department of Public Health
Drinking Water Section
Attention: Mr. Isaac Quansah
410 Capitol Avenue, MS# 12DWS
P.O. Box 340308
Hartford, CT 06134-0308

Re: 2023 – Stage 2 DBPR Operational Evaluation Level Report, 3rd Quarter
LWPCA Ledyard Center PWSID # CT0727091

Dear Mr. Quansah,

As required, Ledyard Center OEL Evaluation for site #LC117 11 Village Dr. for 2022, 1st quarter is submitted.

If you have any questions, please feel free to contact me at (860) 446-4080 or dietrichs@grotonutilities.com.

GROTON UTILITIES

A handwritten signature in blue ink that reads "Stephen Dietrich". The signature is fluid and cursive, with the first letters of the first and last names being capitalized and prominent.

Stephen Dietrich
Groton Utilities, Water Quality Manager

Attachments (4)



State of Connecticut
Department of Public Health
Drinking Water Section

Stage 2 Disinfectants and Disinfection Byproducts Rule (Stage 2 DBPR)
Operational Evaluation Reporting Form

I. General Information

A. Public Water System (PWS) Information

B. Date Prepared: 12/4/23

PWSID: CT0727091

PWS Name: LWPCA Ledyard Center

Population Served: 3,294

System Type	Primary Source Water Type	Buying/Selling Relationships
<input checked="" type="checkbox"/> CWS <input type="checkbox"/> NTNC	<input checked="" type="checkbox"/> Surface Water or Ground Water Under the Direct Influence of Surface Water (Subpart H) <input type="checkbox"/> Ground Water	<input checked="" type="checkbox"/> Consecutive System <input type="checkbox"/> Wholesale System <input type="checkbox"/> Neither

C. Contact Person

Name: Honorable Fred Allyn III

Mailing Address: 741 Colonel Ledyard Highway

City/Town: Ledyard State: CT Zip Code: 06339-1511

Title: Mayor

Business Phone #: 860-464-3222 Ext: _____ Fax #: 860-464-8455

E-mail: mayor@ledyardct.org

II. Compliance Information

- A. Compliance Period of OEL Exceedance(s): 3rd quarter 2023
- B. Number of monitoring sites that exceeded the TTHM OEL: 1
- C. Number of monitoring sites that exceeded the HAA5 OEL: 0
- D. Has an OEL exceedance occurred at these monitoring sites in the past? ☒ Yes ☐ No
- E. Was the cause determined for the previous exceedances? ☐ Yes ☒ No
- F. Are the previous evaluations/determinations applicable to the current OEL exceedance? ☒ Yes ☐ No
- G. Did the State allow you to limit the scope of the operational evaluation?
If yes, attach written correspondence from the State. ☐ Yes ☒ No

III. Monitoring Results

Summarize the results of the Operational Evaluation Level exceedances in the table below.

Stage 2 Monitoring Site ID	Analyte	Result from Two Quarters Ago	Result From Prior Quarter	Result From Current Quarter	Operational Evaluation Value
		A	B	C	$D = (A+B + (2 \cdot C))/4$
LC117 13 Village Drive	<input checked="" type="checkbox"/> TTHM <input type="checkbox"/> HAA5	56.3	62.9	110.6	85.1
	<input type="checkbox"/> TTHM <input type="checkbox"/> HAA5				
	<input type="checkbox"/> TTHM <input type="checkbox"/> HAA5				
	<input type="checkbox"/> TTHM <input type="checkbox"/> HAA5				
	<input type="checkbox"/> TTHM <input type="checkbox"/> HAA5				
	<input type="checkbox"/> TTHM <input type="checkbox"/> HAA5				
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	<input type="checkbox"/> TTHM <input type="checkbox"/> HAA5				
	<input type="checkbox"/> TTHM <input type="checkbox"/> HAA5				
	<input type="checkbox"/> TTHM <input type="checkbox"/> HAA5				
	<input type="checkbox"/> TTHM <input type="checkbox"/> HAA5				

Note: The operational evaluation value is calculated by summing the two previous quarters of TTHM or HAAS values plus twice the current quarter value, divided by four. If the value exceeds 0.080 mg/L for TTHM or 0.060 mg/L for HAAS, an OEL exceedance has occurred.

IV. Operational Evaluation Findings

A. Did the **distribution system** cause or contribute to your OEL exceedance(s)?

If yes or possibly, explain below (attach additional pages if necessary).

☐ Yes ☐ No

☒ Possibly

See attachment 1 and Distribution System, Item I of this report

B. Did the **treatment system** cause or contribute to your OEL exceedance(s)?

If yes or possibly, explain below (attach additional pages if necessary).

☐ Yes ☒ No

☐ Possibly

C. Did source water quality cause or contribute to your OEL exceedance(s)?

If yes or possibly, explain below (attach additional pages if necessary).

☐ Yes ☐ No

☒ Possibly

Groton Utilities was only able to blend one of two low-TOC water sources with Poquonnock Reservoir, which may have limited TOC reduction at POE, also limiting how low THMs might be, leaving their WTP. See attachment 1 for more information.

D. Is all supporting operational or other data that support the determination of the cause(s) of your OEL exceedance(s) attached to this report?

☒ Yes ☐ No

E. If you are unable to determine the cause(s) of the OEL exceedance(s), list the steps that you can use to better identify the cause(s) in the future (attach additional pages if necessary):

F. List steps that could be considered to minimize future OEL exceedances (attach additional pages if necessary)

We began our routine flushing program in Ledyard Center in late March, flushing twice a week, and continue this twice-a-week flushing through the summer and fall. Our flushing program used to consist of once a week flushing from July to October, but due to warmer water temperatures persisting over a broader timespan of the year, we feel that this expanded flushing program is necessary for maintaining the best possible water quality in Ledyard Center. Additionally, we have taken steps to overflow Ledyard Center Tank at varying intervals to flush out water with high water age and bring fresher water into the tank, thereby reducing the water age in the tank (dechlorination of overflow water was performed at each instance of overflowing the tank).

G. Total Number of Pages Submitted, Including Attachments and Checklists: 18

TTHM and HAA5 Sample Collection and Handling Checklist

PWS ID: CT0727091 PWS Name: LWPCA - Ledyard Center

Compliance Period of OEL Exceedance(s): Q3 2023

Yes	No	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Did you obtain appropriate sample collection vials from the laboratory?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Did the sample vials contain the proper preservative and dechlorinating agents?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Was each vial labeled using waterproof labels and indelible ink?
		Did each vial contain the following information on the label?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unique sample ID System name
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Sample location
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Sample date and time
<input checked="" type="checkbox"/>	<input type="checkbox"/>	An analysis required, if not already on label
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Did you remove the aerator from the tap if there was one present?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Did you open the water tap and allow the system to flush until the water temperature had stabilized (usually about 3-5 minutes)?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Did you adjust the flow so that no air bubbles were visually detected in the flowing stream?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Did you slowly fill the sample vial almost to the top without overflowing?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Were you careful not to rinse out any of the preservative/dechlorinating agent during this process?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	After the bottle was filled, did you invert it three or four times to mix the sample with the preservative and dechlorinating agents?
		If you collected a TTHM sample that requires acidification, did you :
<input type="checkbox"/>	<input type="checkbox"/>	Let the sample set for about 1 minute, allowing the dechlorinating chemical to take effect?
<input type="checkbox"/>	<input type="checkbox"/>	Carefully open the vial and adjust the pH of the TTHM sample to < 2 by adding approximately 4 drops of hydrochloric acid for every 40 mL of sample (amount of acid needed will depend on buffering capacity of sample)?
<input type="checkbox"/>	<input type="checkbox"/>	Recap the vial, and invert three or four times?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Did you invert the vial and tap it to check for air bubbles?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	If bubbles were detected, did you carefully open the vial and add more sample water using the cap to achieve a headspace-free sample? (Note that air bubbles would more likely lead to a lower level of THMs or HAAs.)
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Did you immediately cool the samples to 4°C by placing them in a cooler with frozen refrigerant packs or ice, or in a refrigerator? Samples should be maintained at this temperature during shipping to the laboratory.
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Did you complete the Sample Chain of Custody provided by the laboratory and include it with the sample shipment?
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Was the sample holding time of 14 days exceeded?
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Was the extract holding time exceeded?
		<i>EPA Method 551.1: 14 days at a temperature less than -10°C</i>
		<i>EPA Method 552.1: 48 hours at 4°C or less</i>
		<i>EPA Method 552.2: 7 days at 4 °C or 14 days at a temperature less than -10°C</i>
		<i>EPA Method 552.3: 21 days for MTBE extraction solvent at -10 °C or less</i>
		<i>OR 28 days for TAME extraction solvent at -10 °C or less</i>
		<i>Standard Method 6251 B: 21 days at -11 °C</i>
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Did the laboratory invalidate the sample?

Notes/Comments (attach additional sheets if necessary)

Our subcontract lab uses EPA method 524.3 for THM analyses. Preservatives are ascorbic acid and maleic acid, both in powder form. The 40 mL vials come with preservatives already added.

Distribution System Evaluation Checklist

PWS ID: CT0727091 PWS Name: LWPCA - Ledyard Center

Compliance Period of OEL Exceedance(s): Q3 2023

A. Do you have disinfectant residual or temperature data for the monitoring location where you experienced the OEL exceedance?

☒ Yes ☐ No

If yes, answer the following questions:

Yes

No

☐

☒

Was the water temperature higher than normal for that time of the year at that location?

☐

☒

Was the disinfectant residual lower than normal for that time of the year at that location?

☐

☒

Was the disinfectant residual higher than normal for that time of the year at that location?

B. Do you have maintenance records available for the time period just prior to the OEL exceedance?

☒ Yes ☐ No

If yes, answer the following questions:

Yes

No

☐

☒

Did any line breaks or replacements occur in the vicinity of the exceedance?

☐

☒

Were any storage tanks or reservoirs taken off-line and cleaned?

☐

☒

Did flushing or other hydraulic disturbances (e.g., fires) occur in the vicinity of the exceedance?

☐

☒

Were any valves operated in the vicinity of the OEL exceedances?

C. If your system is metered, do you have access to historical records showing water use at individual service connections?

☒ Yes ☐ No

If yes, was overall water use in your system unusually low, indicating higher than normal water age?

☒ Yes ☐ No

D. Do you have high-volume customers in your system (e.g., an industrial processing plant)?

☐ Yes ☒ No

If yes, was there a change in water use by a high-volume customer?

☐ Yes ☐ No

E. Is there a finished water storage facility hydraulically upstream from the monitoring location where you experienced the OEL exceedance?

☒ Yes ☐ No

If yes, review storage facility operations and water quality data to answer the following questions for the period in which the OEL exceedance occurred:

Yes

No

☒

☐

Was a disinfectant residual detected in the stored water or at the tank outlet?

☒

☐

Do you know of any mixing problems with the tank or reservoir?

☒

☐

Does the facility operate in "last in-first out" mode?

☐

☒

Was the tank or reservoir drawn down more than usual prior to OEL exceedance, indicating a possible discharge of stagnant water?

☐

☒

Was there a change in water level fluctuations that would have resulted in increased water age within the tank or reservoir?

F. Does the system practice booster chlorination?

☐ Yes ☒ No

If yes, was there an increase in booster chlorination feed rates?

☐ Yes ☐ No

G. Did you have customer complaints in the vicinity of the OEL exceedance?

☐ Yes ☒ No

If yes, explain below:

Distribution System Evaluation Checklist

H. Did concern about complying with a rule other than Stage 2 DBPR, such as the Lead and Copper rule, the TCR, or any other rule constrain your options to reduce the DBP levels at this site? For example, are you limited by the need to maintain a detectable disinfectant residual in your ability to control DBP levels in the distribution system?

☐ Yes ☒ No

If **yes**, explain below and consult EPA's *Simultaneous Compliance Guidance Manual* for alternative compliance approaches:

I. Conclusion

Did the distribution system cause or contribute to the OEL exceedance(s)?
If yes or possibly, explain below (attach additional pages if necessary).

☐ Yes ☐ No
☒ Possibly

When water temperatures warm up, which seems to happen earlier in the year than it used to (and seems to stay warmer longer) the distribution system can contribute to an OEL exceedance due to residence time in the system, which is why, since 2021, we have expanded routine flushing to twice a week from late spring to mid-fall. We have also verified that water age in the Ledyard Center Tank can play a significant role in increasing the water age in the system at times. Please see attachment 1 for more information.

Treatment Process Evaluation Checklist

PWS ID: CT0727091 PWS Name: LWPCA - Ledyard Center

Compliance Period of OEL Exceedance(s): Q3 2023

A. Review finished water data for the time period prior to the OEL exceedance(s) and compare to historical finished water data using the following questions.

- | | | | |
|---|---|--|------------------------------|
| Were DBP precursors (TOC, DOC, SUVA, bromide, etc.) higher than normal? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | <input type="checkbox"/> N/A |
| Was finished water pH higher or lower than normal? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | |
| Was the finished water temperature higher than normal? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | |
| Was finished water turbidity higher than normal? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | <input type="checkbox"/> N/A |
| Was the disinfectant concentration leaving the plant(s) higher than normal? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | |
| Were finished water TTHM/HAA5 levels higher than normal? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | |
| Were operational and water quality data available to the system operator for effective decision making? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | |

B. Does the treatment process include pre-disinfection?

☐ Yes ☒ No

If yes, answer the following questions for the period in which the OEL exceedance(s) occurred:

Yes No

- | | | |
|--------------------------|--------------------------|--|
| <input type="checkbox"/> | <input type="checkbox"/> | Was disinfected raw water stored for an unusually long time? |
| <input type="checkbox"/> | <input type="checkbox"/> | Were treatment plant flows lower than normal? |
| <input type="checkbox"/> | <input type="checkbox"/> | Were treatment plant flows equally distributed among different trains? |
| <input type="checkbox"/> | <input type="checkbox"/> | Were water temperatures high or warmer than usual? |
| <input type="checkbox"/> | <input type="checkbox"/> | Were chlorine feed rates outside the normal range? |
| <input type="checkbox"/> | <input type="checkbox"/> | Was a disinfectant residual present in the treatment train following pre-disinfection? |
| <input type="checkbox"/> | <input type="checkbox"/> | Were online instruments utilized for process control? |
| <input type="checkbox"/> | <input type="checkbox"/> | Did you switch to free chlorine as the oxidant? |
| <input type="checkbox"/> | <input type="checkbox"/> | Was there a recent change (or addition) of pre-oxidant? |

C. Does your treatment process include pre-sedimentation?

☐ Yes ☒ No

If yes, answer the following questions for the period in which the OEL exceedance(s) occurred:

Yes No

- | | | |
|--------------------------|--------------------------|--|
| <input type="checkbox"/> | <input type="checkbox"/> | Were flows low? |
| <input type="checkbox"/> | <input type="checkbox"/> | Were flows high? |
| <input type="checkbox"/> | <input type="checkbox"/> | Were online instruments utilized for process control? |
| <input type="checkbox"/> | <input type="checkbox"/> | Was sludge removed from the pre-sedimentation basin? |
| <input type="checkbox"/> | <input type="checkbox"/> | Was sludge allowed to accumulate for an excessively long time? |
| <input type="checkbox"/> | <input type="checkbox"/> | Do you add a coagulant to your pre-sedimentation basin? |
| <input type="checkbox"/> | <input type="checkbox"/> | Was there a problem with the coagulant feed? |

D. Does your treatment process include coagulation and/or flocculation?

☒ Yes ☐ No

If yes, answer the following questions for the period in which the OEL exceedance(s) occurred:

Yes No

- | | | |
|-------------------------------------|-------------------------------------|---|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Were there any feed pump failures or were feed pumps operating at improper feed rates? |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Were chemical feed systems controlled by flow pacing? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Were there changes in coagulation practices or the feed point? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Did you change the type or manufacturer of the coagulant? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Do you suspect that the coagulant in use at the time of the OEL exceedance did not meet industry standards? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Did the pH or alkalinity change at the point of coagulant addition? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Were there broken or plugged mixers? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Were flow rates above the design rate or was there short-circuiting? |

Treatment Process Evaluation Checklist

E. Does your treatment process include sedimentation or clarification?

☒ Yes ☐ No

DAF process

If yes, answer the following questions for the period in which the OEL exceedance(s) occurred:

Yes No

- | | | |
|--------------------------|-------------------------------------|---|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Were there changes in plant flow rate that may have resulted in a decrease in settling time or carry-over of process solids? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Were settled water turbidities higher than normal? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Was there any disruption in the sludge blanket that may have resulted in carryover to the point of disinfection? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Was there any maintenance in the basin that may have stirred sludge from the bottom of the basin and caused it to carry over to the point of disinfectant addition? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Was sludge allowed to accumulate for an excessively long time or was there a malfunction in the sludge removal equipment? |

F. Does your treatment process include sedimentation or clarification?

☒ Yes ☐ No

If yes, answer the following questions for the period in which the OEL exceedance(s) occurred:

Yes No

- | | | |
|-------------------------------------|-------------------------------------|---|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Was there an increase in individual or combined filter effluent turbidity or particle counts? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Was there an increase in turbidity or particle loading onto the filters? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Was there an increase in flow on to the filters or malfunction of the rate of flow controllers? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Were any filters taken offline for an extended period of time that caused the other filters to operate near maximum design capacity and created the conditions for possible breakthrough? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Were any filters operated beyond their normal filter run time? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Were there any unusual spikes in individual filter effluent turbidity (which may indicate particulate or colloidal TOC breakthrough) in the days leading to the excursion? |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | Were all filters run in a filter-to-waste mode during initial filter ripening? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | If GAC filters are used, is it possible the adsorptive capacity of the GAC bed was reached before reactivation occurred (leave blank if not applicable)? |
| <input type="checkbox"/> | <input type="checkbox"/> | If biological filtration is used, were there any process upsets that may have resulted in the breakthrough of TOC (leave blank if not applicable)? |

G. Does your treatment process include primary disinfection by injecting chlorine prior to a clearwell?

☒ Yes ☐ No

If yes, answer the following questions for the period in which the OEL exceedance(s) occurred:

Yes No

- | | | |
|--------------------------|-------------------------------------|--|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Was there a sudden increase in the amount of chlorine fed or an increase in the chlorine residual? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Was there an increase in clearwell holding time? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Was the plant shutdown or were plant flows low? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Was there an increase in clearwell water temperature? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Did you switch to free chlorine recently as the primary disinfectant? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Was the inactivation of Giardia and/or viruses exceptionally high? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Was there a change in the mixing strategy (i.e., mixers not used, adjustment of tank level)? |

H. Does your plant recycle spent filter backwash or other streams?

☐ Yes ☒ No

If yes, answer the following questions for the period in which the OEL exceedance(s) occurred:

Yes No

- | | | |
|--------------------------|--------------------------|---|
| <input type="checkbox"/> | <input type="checkbox"/> | Did a change in the recycle stream quality contribute to increased DBP precursor loading that was not addressed by treatment plant processes? |
| <input type="checkbox"/> | <input type="checkbox"/> | Did a recycle event result in flows in excess of typical or design flows? |

Treatment Process Evaluation Checklist

- I. Do you inject a disinfectant after your clearwell to maintain a distribution system residual? ☐ Yes ☒ No

If yes, answer the following questions for the period in which the OEL exceedance(s) occurred:

Yes No

- | | | |
|--------------------------|--------------------------|--|
| <input type="checkbox"/> | <input type="checkbox"/> | Was there a sudden increase in the amount of chlorine fed? |
| <input type="checkbox"/> | <input type="checkbox"/> | Was there a switch from chloramines to free chlorine for a burnout period? |
| <input type="checkbox"/> | <input type="checkbox"/> | If using chloramines, was the chlorine to ammonia ratio in the proper range? |
| <input type="checkbox"/> | <input type="checkbox"/> | Was there a problem with either chlorine or ammonia mixing? |

- J. Did concern about complying with a rule other than Stage 2 DBPR, such as the Lead and Copper Rule, the LT2ESWTR, or any other rule constrain your options to reduce the DBP levels? For example, are you limited by other treatment targets/requirements in your ability to control precursors in coagulation/flocculation? ☐ Yes ☒ No

If yes, explain below and consult EPA's *Simultaneous Compliance Guidance Manual* for alternative compliance approaches:

I. Conclusion

Did treatment factors and/or variations in the plant performance contribute to the OEL exceedance(s)? ☐

Yes ☒ No

If yes or possibly, explain below (attach additional pages if necessary).

☐ Possibly

Source Water Evaluation Checklist

PWS ID: CT0727091 PWS Name: LWPCA - Ledyard Center

Compliance Period of OEL Exceedance(s): Q3 2023

A. Do you have source water temperature data? ☒

Yes ☐ No

If yes, was the source water temperature high? ☐

Yes ☒ No

If yes, answer the following questions for the time period prior to the OEL exceedance(s):

Yes

No

☐
☐

Was the raw water storage time longer than usual?

☐
☐

Did you place another water source on-line?

☐
☐

Were river/reservoir flow rates lower than usual? If yes, indicate the location of lower flow rates and the anticipated impact on the OEL exceedance.

☐
☐

Did point or non-point sources in the watershed contribute to the OEL exceedance?

B. Do you have data that characterizes organic matter in your source water (e.g., TOC, DOC, SUVA, color, THM formation potential)?

☒ Yes ☐ No

If yes, were these values higher than? ☐

Yes ☒ No

If yes, answer the following questions for the time period prior to the OEL exceedance(s):

Yes

No

☐
☐

Did heavy rainfall or snowmelt occur in the watershed?

☐
☐

Did you place another water source on-line?

☐
☐

Did lake or reservoir turnover occur?

☐
☐

Did point or non-point sources in the watershed contribute to the OEL exceedance?

☐
☐

Did an algal bloom occur in the source water?

☐
☐

If algal blooms were present, were appropriate algae control measures employed (e.g., addition of copper sulfate)?

☐
☐

Did a taste and odor incident occur?

C. Do you have source water bromide data? ☐

Yes ☒ No

If yes, were the bromide levels higher or lower than normal? ☐

Yes ☐ No

If yes, answer the following questions for the time period prior to the OEL exceedance(s):

Yes

No

☐
☐

Has salt water intrusion occurred?

☐
☐

Are you experiencing a long-term drought?

☐
☐

Did heavy rainfall or snowmelt occur in the watershed?

☐
☐

Did you place another water source on-line?

☐
☐

Are you aware of any industrial spills in the watershed?

D. Do you have source water turbidity or particle count data? ☒

Yes ☐ No

If yes, were the turbidity values or particle counts higher than normal? ☐

Yes ☒ No

If yes, answer the following questions for the time period prior to the OEL exceedance(s):

Yes

No

☐
☐

Did lake or reservoir turnover occur?

Source Water Evaluation Checklist

- | | | |
|--------------------------|--------------------------|---|
| <input type="checkbox"/> | <input type="checkbox"/> | Did heavy rainfall or snowmelt occur in the watershed? |
| <input type="checkbox"/> | <input type="checkbox"/> | Did logging, fires, or landslides occur in the watershed? |
| <input type="checkbox"/> | <input type="checkbox"/> | Were river/reservoir flow rates higher than normal? |

E. Do you have source water pH or alkalinity data? ☒

Yes ☐ No

If yes, was the pH or alkalinity different from normal values? ☐

Yes ☒ No

If yes, answer the following questions for the time period prior to the OEL exceedance(s):

Yes

No

- | | | |
|--------------------------|--------------------------|---|
| <input type="checkbox"/> | <input type="checkbox"/> | Was there an algal bloom in the source water? |
| <input type="checkbox"/> | <input type="checkbox"/> | If algal blooms were present, were algae control measures employed? |
| <input type="checkbox"/> | <input type="checkbox"/> | Did heavy rainfall or snowmelt occur in the watershed? |
| <input type="checkbox"/> | <input type="checkbox"/> | Has the PWS experienced diurnal pH changes in source? |

Source Water Evaluation Checklist

I. Conclusion

Did source water quality factors contribute to your OEL exceedance?

☐

Yes ☐ No

If yes or possibly, explain below (attach additional pages if necessary).

☒ Possibly

Groton Utilities was only able to blend one of two low-TOC water sources with Poquonnock Reservoir, which may have limited TOC reduction at POE, also limiting how low THMs might be, leaving their Water Treatment Plant. See attachment 1 for more information.

December 1, 2023

LWPCA-Ledyard Center, PWSID # CT0727091

LWPCA Ledyard Center water system (PWS ID # CT0727091) is a consecutive system to Groton Utilities, receiving its water supply via a water main traveling up Route 117 from Groton to Ledyard Center. Although there are some businesses in Ledyard Center, primarily on Route 117, none of them utilizes large quantities of water, and the remainder of Ledyard Center is residential. There is a centrally-located water standpipe (Ledyard Center Tank) which supplies additional water pressure, fire protection, and water storage to Ledyard Center.

With respect to THMs, Ledyard Center has the same kind of challenges that consecutive systems in general must overcome. Water age, warm water temperatures, and free chlorine are factors which affect THM formation in Ledyard Center. We have noticed a trend toward distribution water temperatures warming up earlier in the spring and staying warm later in the fall. We must have adequate free chlorine residual to maintain resistance to microbial growth in the distribution system (and we do). We cannot affect water temperatures and we are limited in our ability to reduce free chlorine; the factors over which we can exert some control are source water blending, prior to the Groton Utilities Water Treatment Plant, and, in Ledyard Center, the water age.

In the past, we maintained a once-a-week routine flushing program in Ledyard Center, which typically ran from July through the end of October. This was successful in moderating water age, and keeping the Ledyard Center system in compliance with the THM MCL, as well having an acceptable OEL calculation. Quarterly results (and therefore OEL calculations) began to rise and triggered OEL reports intermittently through the years, starting in the fourth quarter of 2016.

In July 2021 we experienced an unusually high THM result, which was unprecedented even for the third quarter (typically our highest-THM quarter)—139 ppb at 11 Village Drive and 131 ppb at the Village Market DBP2 sampling locations. When we received these results in August 2021, we immediately revised our flushing program to twice-a-week flushing through the end of October 2021.

Our Q4 2021 THM results were at the low end of typical Q4 ranges, demonstrating that the increased flushing was helping. Due to the very high Q3 2021 result, however, an OEL report was triggered for the 4th quarter just as it was for the 3rd quarter, but the RAA was still below 80 ppb at the Village Drive sample location.

Due to the resident at 11 Village Drive moving away and the new resident being unable to accommodate our request to continue sampling at that address, we submitted a new THM/HAA5 site for Ledyard Center, via the SSP form: 13 Village Drive, which is right next-door to 11 Village Drive. At that same time we requested to switch from Village Market to Ledyard Town Hall, as the more representative site in that vicinity of Ledyard Center. These site changes were approved by DPH, and we initiated sampling at those sites in April of 2022, and have continued using those locations since then.

In 2023, we continued the twice-a-week flushing protocol as in 2022. In addition, Groton Utilities once again blended several raw water sources with Poquonnock Reservoir, as they did in 2022 (the other sources are lower in TOC than Poquonnock Reservoir; the goal is to reduce TOC in POE water by reducing the TOC of the water entering treatment). They were only able to blend one water source (Smith Lake) with Poquonnock in July, which was helpful, but limited the reduction in TOC at the POE, compared to blending with several sources.

We have also recognized the role the Ledyard Center Tank plays in affecting the water age in Ledyard Center. In late summer of 2022, the Ledyard Center Tank was intentionally overflowed (all outflow was successfully dechlorinated), to good effect. The water age in the tank was greatly reduced, so when the tank was flowing back into the water system, its contribution to the water age in the system was not as significant.

We were unable to overflow the Tank in early-to-mid-summer of 2023 for operational reasons; later in the summer, we were able to do so at various intervals, and the effect was beneficial to the system but came too late to benefit the 3rd quarter results.

Our goal is to reduce water age in Ledyard Center enough to produce lower THM results for all quarters going forward, and in particular to see a return to typical or lower than typical results in the 4th quarter, if possible. Attachment #3 highlights the fact that water usage during the summer of 2023 was greatly reduced compared to the summer of 2022; the most likely reason being the consistently rainy summer of 2023. Reduced use increases water age, adding another challenge to Q3 2023. Attachment #2 compares the POE THMs to the quarterly Ledyard Center THMs (all samples collected the same day). Even though the POE THMs in July 2023 was nearly the same as in July 2021, the Ledyard Center THM values were much lower, although still higher than desirable. This was despite the usage in July 2023 being almost half that of July 2021 (see attachment #3); this shows that our efforts at blending raw water source at the Groton Water Treatment Plant and the twice-a-week flushing in Ledyard are producing positive results, and we are always working to produce even better results, if possible.

Another tool in reducing THMs in the water system is monitoring and optimizing treatment at Groton Utilities' Water Treatment Plant, to produce the lowest-TOC water possible. They have always tried to maintain the optimal PACL coagulant dose for this purpose, but one factor which has proved challenging is the incoming TOC in the raw water. The higher the raw TOC, the higher the POE TOC, since there is a limit to how much TOC they can remove even with optimal treatment. Please see attachment #4 for Groton WTP data through the recent years.

GU has blended Smith Lake water into Poquonnock Reservoir intake in past summers, since it is slightly lower in TOC than Poquonnock, but that has had a limited impact. In the past, they have been unable to take advantage of another source, Production Well #3, which is very low in TOC but relatively high in manganese, because it created a level of manganese in the raw water that the old Water Treatment Plant could not effectively remove. Their new DAF plant has a post-filtration treatment—manganese contactors—that effectively removes manganese from the finished water.

So now they are able to blend low-TOC Production Well #3 water with Poquonnock Reservoir water during the warm-water season. Unfortunately, they were unable to use production well #3 in July; it was run in conjunction with Smith Lake in August of this year, with good results.

As can be seen, our approach going forward is three-pronged: GU will continue to optimize treatment for maximum TOC removal, blend Production Well #3 and Smith Lake water with Poquonnock Reservoir water when possible and necessary to reduce finished water TOC, and continue to do routine twice-a-week flushing in Ledyard Center, in order to reduce LWPCA Ledyard Center THMs during the warm water season and return to compliance with the THM MCL. In addition, we will try to overflow Ledyard Center Tank as necessary during the warm-weather warm-water-temperature times of the year, while still being judicious in the use of this technique.

We anticipate that even with a good result for Q4 2023 THMs, Ledyard Center will likely experience a continued OEL exceedance in the fourth quarter (due once again to the high Q3 2023 result), but we believe that a good (typical or lower) result in Q1 2024 will drop the OEL calculation below the 80 ppb trigger.

Our detailed Action Plan for LWPCA-Ledyard Center is as follows (as noted in narrative):

- Expand the routine flushing season to include late March through the end of October
- Continue twice-a-week routine flushing as faithfully as possible during that timeframe
- Continue to optimize treatment at the GU WTP to remove as much TOC as possible

- Blend low-TOC water from Production Well #3 and/or Smith Lake with Poquonnock Reservoir at the GU WTP to reduce incoming raw TOC, as much as possible
- Overflow Ledyard Center Tank as necessary, but no more than necessary, while dechlorinating the outflow

Please also see the attached spreadsheets for further information regarding our water treatment and OEL data.

Ledyard Center TTHM data

Attachment #2

Date	POE		Ledyard Center TTHMs		Village Dr. - Village Mkt	Raw Temp (°C)		TOCs			Center Gro P. S.		LC Tank
	TTHMs	11 Village Dr	Village Market				Raw	POE	%removal		On / Off	Flow (CFM)	
01/11/18	13.6	49.3	43.5	5.8	2.3	5.04	2.01		60%		On	60.6	rising
04/11/18	14.7	49.6	47.9	1.7	7.0	3.37	1.42		58%		Off		falling
07/18/18	31.2	97.5	94.9	2.6	27.2	4.02	1.81		55%		On	67.5	rising
10/10/18	32.7	94.9	94.2	0.7	21.1	5.58	2.17		61%		Off		falling
01/09/19	11.6	47.8	41.4	6.4	3.9	-----	-----				On	31	rising
04/10/19	15.2	47.3	48.9	(1.6)	12.7	3.15	1.26		60%		Off		falling
07/08/19	27.7	95.1	93.8	1.3	26.3	3.82	1.49		61%		Off		falling
10/09/19	42.7	99.2	97.3	1.9	18.7	3.80	2.04		46%		Off		falling
01/15/20	14.2	55.4	59.0	(3.6)	12.4	3.74	1.24		67%			No data	
04/15/20	19.8	61.6	58.7	2.9	15.9	3.78	1.34		65%			No data	
07/15/20	37.0	77.7	95.3	(17.6)	27.0	4.21	1.61		62%		On	79	rising
10/14/20	28.2	73.7	76.5	(2.8)	15.5	3.57	1.69		53%		Off		falling
01/13/21	14.6	43.3	46.8	(3.5)	5.8	4.28	1.39		68%		Off		falling
04/21/21	21.1	54.9	58.4	(3.5)	13.4	3.95	1.44		64%			No data	
07/14/21	43.0	139.1	130.9	8.2	24.2	3.67	1.28		65%		Off		falling
10/13/21	32.4	77.6	77.0	0.6	21.2	4.00	1.90		53%		Off		falling
01/12/22	13.3	55.7	49.7	6.0	1.3	3.80	1.60		58%		Off		falling
		13 Village Dr.	Led. Town hall										
04/13/22	22.4	50.8	39.1	11.7	14.7	3.20	1.30		59%		On	53.3	rising
07/13/22	41.1	93.3	98.2	(4.9)	26.1	3.90	1.80		54%		Off		falling
10/12/22	16.8	57.4	51.7	5.7	15.1	2.70	1.40		48%		Off		falling
01/18/23	13.4	56.3	40.9	15.4	5.7	3.60	1.40		61%		Off		falling
04/20/23	21.3	62.9	52.6	10.3	14.5	3.40	1.30		62%		On	83.2	rising
07/19/23	39.2	110.6	100.1	10.5	27.3	3.80	1.60		58%		Off		falling

parentheses (x.x) indicate a negative number.

Red = warm water data, May - September

Groton WTP data 2015 - 2023
Attachment # 4

<u>Raw Water Temp (°C)</u>	monthly average								
	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>
July	26	26	24	27	27	26	25	23	26
October	15	16	20	18	17	17	21	15.2	
<u>Raw Water Turbidity</u>	monthly average								
	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>
July	0.73	0.80	0.76	0.83	0.83	1.31	0.87	0.91	0.96
October	0.40	0.68	0.54	0.86	0.72	0.80	0.48	0.38	
<u>Raw Water pH</u>	monthly average								
	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>
July	7.1	6.9	6.5	6.7	6.7	6.8	6.6	6.5	6.4
October	7.0	6.9	7.0	6.6	7.0	6.9	6.6	6.6	
<u>PACl dose (mg/L)</u>	monthly average								
	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>
July	40	43.9	47.7	46.2	39.6	43.8	29	29	33
October	38.3	45.7	48.7	48.9	36	37.8	32.9	30	
<u>Raw TOC (mg/L)</u>	monthly average								
	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>
July	4.1	4.1	4.2	4.2	3.8	3.9	4.3	3.9	3.7
October	3.4	3.5	3.7	4.8	3.8	3.7	4.2	2.9	
<u>POE TOC (mg/L)</u>	monthly average								
	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>
July	1.6	1.7	1.8	1.8	1.6	1.6	1.6	1.9	1.7
October	1.7	1.6	1.7	1.7	1.9	1.6	1.9	1.3	

Chlorine data at Village Market when collecting TTHM samples

Village Market Chlorine (mg/L)					11 Village Drive Chlorine (mg/L)				
(Ledyard Town Hall after April 2022)					(13 Village after April 2022)				
Year	Jan	Apr	July	Oct	Year	Jan	Apr	July	Oct
2016	0.85	1.26	0.50	0.43	2016	0.27	0.45	0.54	0.42
2017	0.26	0.74	0.22	0.14	2017	0.19	0.61	0.32	0.26
2018	0.83	0.93	0.16	0.13	2018	0.50	0.91	0.20	0.04
2019	1.19	0.86	0.57	0.56	2019	0.89	1.10	0.16	0.12
2020	0.82	1.03	0.24	0.55	2020	0.28	0.85	0.51	0.22
2021	0.88	0.76	0.07	0.46	2021	1.09	0.54	0.07	0.38
2022	0.98	1.36	0.51	0.90	2022	0.72	0.80	0.61	0.64
2023	1.21	1.09	0.41		2023	0.82	0.98	0.13	

Quarterly THMs (ppb)

POE Groton WTP	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>
July	32.8	34.2	38.8	31.2	27.7	37.0	43.0	41.1	39.2
October	22.9	19.7	24.0	32.7	42.7	28.2	32.4	16.8	

Quarterly THMs (ppb)

Village Market, Led. Ctr.	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>
July	89.3	108.9	105.0	94.9	93.8	95.3	130.9	98.2	100.1
October	57.2	89.3	77.1	94.2	97.3	76.5	77.0	51.7	

Quarterly THMs (ppb)

11 Village Dr., Led. Ctr.	<u>2015</u>	<u>2016</u>	<u>2017</u>	<u>2018</u>	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>
July	89.3	80.2	97.8	97.5	95.1	77.7	139.1	93.3	110.6
October	59.5	77.0	74.9	94.9	99.2	73.7	77.6	57.4	



TOWN OF LEDYARD

741 Colonel Ledyard
Highway
Ledyard, CT 06339-1511

File #: 23-2342

Agenda Date: 12/19/2023

Agenda #: 3.

AGENDA REQUEST
GENERAL DISCUSSION ITEM

Subject:

Motion to APPROVE payment of Groton Utility invoice #0023708, dated October 31, 2023, in the amount of \$267.06, for Ledyard Meter Purchases on October 20, 2023.

Background:

(type text here)

Department Comment/Recommendation:

(type text here)



GROTON UTILITIES

At Your Service

295 Meridian Street - Groton, Connecticut 06340
Tel: 860-446-4025 Fax: 860-446-4075

Authorized to Pay

Signature

PO# 20241743 Date 12/13/2023

DATE	INVOICE NO
10/31/2023	0023708

BILL TO
Ledyard, Town of 741 Colonel Ledyard Hwy Ledyard, CT 06339-1511

DUE DATE
11/30/2023

DESCRIPTION	QUANTITY	EFFECTIVE RATE	AMOUNT	DISCOUNT	CREDIT	BALANCE
PREVIOUS OUTSTANDING BALANCE						0.00
WO Billing until 10/22/2023:						
0028990 - Services	1.00	267.06	267.06	0.00	0.00	267.06
INVOICE TOTAL:			267.06	0.00	0.00	267.06

PLEASE DETACH BOTTOM PORTION & REMIT WITH YOUR PAYMENT

For questions please contact us at

Customer Name: Ledyard, Town of
Customer No: 000205
Account No: 0015790 - 28990 Ledyard Meter Purchases FY2023 - FY2025

DUE DATE	INVOICE NO
11/30/2023	0023708

Please remit payment by the due date to:

City of Groton
Groton Utilities 860-446-4025
295 Meridian Street
Groton, CT 06340-

Invoice Total: 267.06
Discounts: 0.00
Credit Applied: 0.00
Ending Balance: 267.06

INVOICE BALANCE: \$267.06
AMOUNT PAID: _____

Ledyard Meter Purchases					
WO Audit Report					
Until 10/22/2023					
WO Number	Services	Activity	Units	Date	Description
0028990	163.76	163.76	1.00	10/20/2023	Ti-Sales Inc - Invoice INV0159464
0028990	103.30	103.30	1.00	10/20/2023	Ti-Sales Inc - Invoice INV0161572
Report Totals	267.06	267.06			



36 Hudson Road
Sudbury, MA 01776-2039

800-225-4616

978-443-2002

Fax: 978-443-7600

www.tisales.com

Invoice	INV0159464
Invoice Date	07/06/2023
Ship Date	07/06/2023
Order Date	07/05/2023
Customer PO	WILL 7/5/2023

Sold To: Groton Dept. of Utilities CT
295 Meridian St.
Groton CT 06340-4012

Ship To: Groton Dept. of Utilities CT
1270 Poquonnock Rd.
Groton CT 06340-4607

Customer Number	Order Method	Job Location	Job Name	Territory Manager		
GROT6	Ordered by Will			Adam Hollenbach		
Terms	Freight	Shipping Method	Master Number			
NET 30	Customer	UPS Ground	361777			
Item Number	Description	Ordered	Shipped	Backord	Price	Extension
RH2G51	2" Neptune T-10 Register E-CODER Gallon Plt Set	1	1		\$139.99	\$139.99
<p>APPROVED BY <u> </u></p> <p>DATE <u>10-18-23</u></p> <p>PO NO. <u> </u></p> <p>WO NO. <u>28990</u></p> <p>G/L NO. <u> </u></p>						
Additional Charges						\$23.77
Order Taken By:	Ryan Hourihan					
Remit to:		Subtotal		\$139.99		
Ti-SALES, Inc.		Other Charges		\$23.77		
36 Hudson Road		Tax		\$0.00		
Sudbury, MA 01776-2039		TOTAL DUE		\$163.76		

Invoice

1



36 Hudson Road
Sudbury, MA 01776-2039

800-225-4616
978-443-2002
Fax: 978-443-7600
www.tisales.com

Invoice	INV0161572
Invoice Date	08/30/2023
Ship Date	08/30/2023
Order Date	08/29/2023
Customer PO	MO 08292023

Sold To: Groton Dept. of Utilities CT
295 Meridian St.
Groton CT 06340-4012

Ship To: Groton Dept. of Utilities CT
1270 Poquonnock Rd.
Groton CT 06340-4607

Customer Number	Order Method	Job Location	Job Name	Territory Manager		
GROT6	Ordered by Mo	Ledyard CT	Ledyard	Adam Hollenbach		
Terms	Freight	Shipping Method	Master Number			
NET 30	Customer	UPS Ground	364444			
Item Number	Description	Ordered	Shipped	Backord	Price	Extension
FH-A24-NL	Ford Pair Adapters To Change 5/8" x 3/4" Meter To 1" Meter Spud Size & Length No Lead	2	2		\$41.65	\$83.30
APPROVED BY <u>ma</u>						
DATE <u>10-18-2023</u>						
PO NO. _____						
WO NO. <u>28990</u>						
G/L NO. _____						
Additional Charges	Freight: 1Z0140840371909952					\$20.00
Order Taken By:	Bob Soar					
Remit to: Ti-SALES, Inc. 36 Hudson Road Sudbury, MA 01776-2039				Subtotal		\$83.30
				Other Charges		\$20.00
				Tax		\$0.00
				TOTAL DUE		\$103.30

Invoice



TOWN OF LEDYARD

741 Colonel Ledyard
Highway
Ledyard, CT 06339-1511

File #: 23-2343

Agenda Date: 12/19/2023

Agenda #: 4.

AGENDA REQUEST
GENERAL DISCUSSION ITEM

Subject:

Motion to APPROVE payment of Groton Utilities invoice #0023710, dated October 31, 2023, in the amount of \$2,308.69, for lead services labor through October 22, 2023.

Background:

(type text here)

Department Comment/Recommendation:

(type text here)

**GROTON****At Your Service**

295 Meridian Street - Groton, Connecticut 06340
Tel: 860-446-4025 Fax: 860-446-4075

Authorized to Pay

Signature _____

PO# 20241743 Date 12/13/2023

DATE	INVOICE NO
10/31/2023	0023710

BILL TO
Ledyard, Town of 741 Colonel Ledyard Hwy Ledyard, CT 06339-1511

DUE DATE
11/30/2023

DESCRIPTION	QUANTITY	EFFECTIVE RATE	AMOUNT	DISCOUNT	CREDIT	BALANCE
PREVIOUS OUTSTANDING BALANCE						1,939.50
WO Billing until 10/22/2023:						
0029242 - Labor	1.00	2,308.69	2,308.69	0.00	0.00	2,308.69
INVOICE TOTAL:			2,308.69	0.00	0.00	2,308.69

PLEASE DETACH BOTTOM PORTION & REMIT WITH YOUR PAYMENT

For questions please contact us at

Customer Name: Ledyard, Town of
Customer No: 000205
Account No: 0015817 - Ledyard LS/LR Inventory

DUE DATE	INVOICE NO
11/30/2023	0023710

Please remit payment by the due date to:

City of Groton
Groton Utilities 860-446-4025
295 Meridian Street
Groton, CT 06340-

Invoice Total: 2,308.69
Discounts: 0.00
Credit Applied: 0.00
Ending Balance: 4,248.19

INVOICE BALANCE: \$2,308.69
AMOUNT PAID: _____

Ledyard LS/LR Inventory						
WO Audit Report						
Until 10/22/2023						
WO Number	Labor	Activity	Units	Date	Description	Notes
0029242	25.86	25.86	0.50	09/18/2023	Black, Katherine	LEDYARD LSL INVENTORY
0029242	77.58	77.58	1.00	09/21/2023	Black, Katherine	LEDYARD LSL INVENTORY
0029242	25.86	25.86	0.50	09/26/2023	Black, Katherine	LEDYARD LSL INVENTORY
0029242	155.16	155.16	2.00	09/26/2023	Black, Katherine	LEDYARD LSL INVENTORY
0029242	116.37	116.37	1.50	09/27/2023	Black, Katherine	LEDYARD LSL INVENTORY
0029242	155.16	155.16	3.00	09/27/2023	Black, Katherine	LEDYARD LSL INVENTORY
0029242	96.98	96.98	1.25	09/28/2023	Black, Katherine	LEDYARD LSL INVENTORY
0029242	58.19	58.19	0.75	10/02/2023	Black, Katherine	LEDYARD LSL INVENTORY
0029242	38.79	38.79	0.50	10/03/2023	Black, Katherine	LEDYARD LSL INVENTORY
0029242	77.58	77.58	1.00	10/04/2023	Black, Katherine	LEDYARD LSL INVENTORY
0029242	258.60	258.60	5.00	10/04/2023	Black, Katherine	LEDYARD LSL INVENTORY
0029242	25.86	25.86	0.50	10/05/2023	Black, Katherine	LEDYARD LSL INVENTORY
0029242	206.88	206.88	4.00	10/05/2023	Black, Katherine	LEDYARD LSL INVENTORY
0029242	155.16	155.16	2.00	10/05/2023	Black, Katherine	LEDYARD LSL INVENTORY
0029242	51.72	51.72	1.00	10/06/2023	Black, Katherine	LEDYARD LSL INVENTORY
0029242	155.16	155.16	2.00	10/06/2023	Black, Katherine	LEDYARD LSL INVENTORY
0029242	25.86	25.86	0.50	10/06/2023	Black, Katherine	LEDYARD LSL INVENTORY
0029242	164.16	164.16	2.00	10/10/2023	Black, Katherine	LEDYARD LSL INVENTORY
0029242	27.36	27.36	0.50	10/10/2023	Black, Katherine	LEDYARD LSL INVENTORY
0029242	82.08	82.08	1.50	10/10/2023	Black, Katherine	LEDYARD LSL INVENTORY
0029242	136.80	136.80	2.50	10/11/2023	Black, Katherine	LEDYARD LSL INVENTORY
0029242	54.72	54.72	1.00	10/12/2023	Black, Katherine	LEDYARD LSL INVENTORY
0029242	82.08	82.08	1.00	10/12/2023	Black, Katherine	LEDYARD LSL INVENTORY
0029242	54.72	54.72	1.00	10/13/2023	Black, Katherine	LEDYARD LSL INVENTORY
Report Totals	2,308.69	2,308.69				



TOWN OF LEDYARD

741 Colonel Ledyard
Highway
Ledyard, CT 06339-1511

File #: 23-1840

Agenda Date: 12/19/2023

Agenda #: 5.

AGENDA REQUEST
GENERAL DISCUSSION ITEM

Subject:

Any Other New Business to come before the Authority.

- Discussion on Gales Ferry Intermodal, Inc, 1761 Route 12, Gales Ferry, CT

Background:

(type text here)

Department Comment/Recommendation:

(type text here)

From: Ed Lynch home <catalyst05@comcast.net>

Sent: Thursday, December 14, 2023 11:59:12 AM

To: Susan R. Marquardt <smarquardt@loureiro.com>; LaFontaine, Doug <lafontaine@grotonutilities.com>

Cc: George F. Andrews <gfandrews@loureiro.com>; Ellis S. Farmer <esfarmer@loureiro.com>; Acimovic, Karl <acimovick@grotonutilities.com>; Weber, Mike <weberm@grotonutilities.com>; Kruszewski, Bruce <kruszewskib@grotonutilities.com>; Pratt, Joseph <prattj@grotonutilities.com>; Director's Office <directorsoffice@grotonutilities.com>; Charles Karno (planner@ledyardct.org) <planner@ledyardct.org>; Duarte, Mauricio <duartem@grotonutilities.com>

Subject: Re: Gales Ferry Intermodal, Inc, 1761 Route 12, Gales Ferry, CT

Ok Doug/ Susan - not to put a fly in the ointment, but this whole project needs to be reviewed and approved by the Ledyard WPCA commissioners. I will place this item on the agenda in our next BUT no action will be taken as next weeks meeting agenda is set. We just want to give a heads up to the commissioners what is coming up.

Ed Lynch WPCA Chairman

Sent via the Samsung Galaxy S23+ 5G, an AT&T 5G smartphone

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<https://www.dropbox.com/scl/fo/yuh0xxv5tpo36w4h9xpvr/h?rlkey=z3d2y6wqds5hiz87ixdr4me3p&dl=0>