

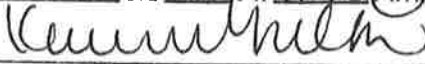
**EAST LYME WATER AND SEWER COMMISSION
AGENDA
AMENDED
June 28, 2022
7:00 PM**

**East Lyme Town Hall
(Upstairs Main Meeting Room)**

Regular Meeting

1. Call to Order / Pledge of Allegiance
2. Approval of Minutes
 - a. Public Hearing Minutes – May 24, 2022
 - b. Regular Meeting Minutes – May 24, 2022
3. Delegations
4. Billing Adjustments/Disputes
5. Approval of Bills
6. Finance Director Report
7. Spinnaker Sewer Maintenance Agreement – FY2023
8. Discussion and Possible Action on the Formation of a Water and Sewer Rate Analysis Subcommittee
9. Discussion and Possible Action on DOT I-95 Exit 74 Project Hydraulic Model
10. Consumer Confidence Report
11. Project Updates
 - a. Meter Replacement Project – Discussion
 - b. Well 5 Rehabilitation Project
12. Correspondence Log
13. Chairman's Report
14. Staff Updates
 - a. Water Department Monthly Report
 - b. Sewer Department Monthly Report

FILED

June 14 2022 AT 11:10 AM/PM

EAST LYME TOWN CLERK

15. Executive Session – Bitown Agreement Update

16. Future Agenda Items

17. Adjournment

JUN 28 2022

AGENDA #

2a

EAST LYME WATER & SEWER COMMISSION
PUBLIC HEARING
Tuesday, MAY 24, 2022
MINUTES

The East Lyme Water & Sewer Commission held a Public Hearing on May 24, 2022 to hear comments on the Supplemental Sewer Assessments Pursuant to the Resolution adopted on August 27, 1991 and the Resolution for Sewer Main Extension No. 5 Adopted on April 28, 2009.

PRESENT: Kevin Seery, Chairman, Steve DiGiovanna, Dave Jacques, Joe Mingo, Dave Murphy, Carol Russell, Dave Zoller

ALSO PRESENT: Joe Bragaw, Public Works Director
Ben North, Municipal Utility Engineer
Attorney Mark Zamarka, Town Counsel
Anna Johnson, Finance Director

ABSENT: Dave Bond, Roger Spencer

Pledge of Allegiance

The Pledge was observed.

Public Hearing I

- ♦ **Supplemental Sewer Assessments Pursuant to the Resolution adopted on August 27, 1991 and the Resolution for Sewer Main Extension No. 5 Adopted on April 28, 2009.**

Chairman Seery called this Public Hearing on the Supplemental Sewer Assessments to order at 6:30 PM.

The Notice of Public Hearing and Supplemental Assessment listing were entered as Exhibit I into the record and are attached to the minutes.

Mr. Seery asked if there were any comments from the public.

Hearing none,

He asked if the Commissioners had any comments –

Hearing none - he called for a motion to close this Public Hearing.

****MOTION (1)**

Mr. DiGiovanna moved to close this Public Hearing.

Mr. Murphy seconded the motion.

Vote: 7 – 0 – 0. Motion passed.

Mr. Seery closed this Public Hearing at 6:35 PM.

Respectfully submitted,

Karen Zmitruk,
Recording Secretary

FILED

May 31, 20 22 AT 10:06 AM/PM
Brian K. Stevens
EAST LYME TOWN CLERK

**NOTICE OF PUBLIC HEARING
TOWN OF EAST LYME
WATER & SEWER COMMISSION
SUPPLEMENTAL SEWER ASSESSMENT
ORCHARDS AT EAST LYME**

Notice is hereby given that the East Lyme Water and Sewer Commission, the duly designated Water Pollution Control Authority of the Town of East Lyme, will hold a Public Hearing on Tuesday, May 24, 2022, at 6:30 p.m. at the East Lyme Town Hall, 108 Pennsylvania Avenue, Niantic, Connecticut, regarding the proposed supplemental sewer assessments for the properties listed below. The purpose of the hearing is to receive and consider comments regarding proposed assessments to be levied on the following properties benefited by the sanitary sewer system in East Lyme.

SCHEDULE "A"

Owner	Acct #	Number	Address	Map	Lot	Assessment
Orchards of East Lyme	008923	3	Arbor Crossing	29.1	29	\$12,066.00
Orchards of East Lyme	008924	5	Arbor Crossing	29.1	30	\$12,066.00
Orchards of East Lyme	008925	7	Arbor Crossing	29.1	31	\$12,066.00
Orchards of East Lyme	008926	9	Arbor Crossing	29.1	32	\$12,066.00
Orchards of East Lyme	008927	11	Arbor Crossing	29.1	33	\$12,066.00
Orchards of East Lyme	008928	15	Arbor Crossing	29.1	34	\$12,066.00
Orchards of East Lyme	008929	17	Arbor Crossing	29.1	35	\$12,066.00
Orchards of East Lyme	008930	19	Arbor Crossing	29.1	36	\$12,066.00
Orchards of East Lyme	008931	21	Arbor Crossing	29.1	37	\$12,066.00
Orchards of East Lyme	008932	23	Arbor Crossing	29.1	38	\$12,066.00
Orchards of East Lyme	008933	25	Arbor Crossing	29.1	39	\$12,066.00
Orchards of East Lyme	009027	4	Arbor Crossing	29.1	133	\$12,066.00
Orchards of East Lyme	009026	6	Arbor Crossing	29.1	132	\$12,066.00
Orchards of East Lyme	009012	18	Arbor Crossing	29.1	118	\$12,066.00
Orchards of East Lyme	009011	20	Arbor Crossing	29.1	117	\$12,066.00
Orchards of East Lyme	009009	26	Arbor Crossing	29.1	115	\$12,066.00
Orchards of East Lyme	008935	33	Arbor Crossing	29.1	41	\$12,066.00
Gannon Charles & Linda	008010	22	Arbor Crossing	29.1	116	\$12,066.00
White Andrew & Deanna	008934	31	Arbor Crossing	29.1	40	\$12,066.00
Gupta Madhu & Yogesh	009007	32	Arbor Crossing	29.1	113	\$12,066.00
Bulusu Vijay K	009006	34	Arbor Crossing	29.1	112	\$12,066.00
Huynh Kevin	008936	35	Arbor Crossing	29.1	42	\$12,066.00
Hu Shihai & Youfen Xu	009031	2	Pumpkin Grove	29.1	137	\$12,066.00
Orchards of East Lyme	009023	21	Pumpkin Grove	29.1	129	\$12,066.00
Orchards of East Lyme	009013	30	Pumpkin Grove	29.1	119	\$12,066.00
Orchards of East Lyme	009024	10	Arbor Crossing	29	130	\$12,066.00
Orchards of East Lyme	009025	8	Arbor Crossing	29.1	131	\$12,066.00
Pennington Sean & Alma Agluba	009008	30	Arbor Crossing	29.1	114	\$12,066.00

The proposed supplement assessment resolution and proposed supplemental assessments are available for inspection at the office of the East Lyme Town Clerk.

EAST LYME WATER & SEWER COMMISSION

BY: _____

KEVIN SEERY, ITS CHAIRMAN

*Notice
Publisher's Cert*

Exhibit 1

W&S PHI 5/24/22

*2
Sides*

PUBLISHER'S CERTIFICATE

State of Connecticut
County of New London, ss. New London

Personally appeared before the undersigned, a Notary Public within and for said County and State, Matt Suraci, Legal Advertising Clerk, of The Day Publishing Company Classifieds dept, a newspaper published at New London, County of New London, state of Connecticut who being duly sworn, states on oath, that the Order of Notice in the case of

A true copy of which is hereunto annexed, was published in said newspaper in its issue(s) of
5/12/22

Cust: EAST LYME TOWN/SEWER DEPT

Ad #: d01031014

Matt Suraci

Subscribed and sworn to before me
This Thursday May 12, 2022

Maryellen Jolinsky

Public

Commission expires

5/31/24

NOTICE OF PUBLIC HEARING

TOWN OF EAST LYME
WATER & SEWER COMMISSION
SUPPLEMENTAL SEWER ASSESSMENT
ORCHARDS AT EAST LYME

Notice is hereby given that the East Lyme Water and Sewer Commission, the duly designated Water Pollution Control Authority of the Town of East Lyme, will hold a Public Hearing on Tuesday, May 24, 2022, at 6:30 p.m. at the East Lyme Town Hall, 108 Pennsylvania Avenue, Niantic, Connecticut, regarding the proposed supplemental sewer assessments for the properties listed below. The purpose of the hearing is to receive and consider comments regarding proposed assessments to be levied on the following properties benefited by the sanitary sewer system in East Lyme.

SCHEDULE "A"

Owner	Act #	Number	Address	Map	Lot	Assessment
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Orchards of East Lyme	008933	25	Arbor Crossing	29.1	39	\$12,066.00
Orchards of East Lyme	009027	4	Arbor Crossing	29.1	103	\$12,066.00
Orchards of East Lyme	009026	6	Arbor Crossing	29.1	102	\$12,066.00
Orchards of East Lyme	009012	18	Arbor Crossing	29.1	101	\$12,066.00
Orchards of East Lyme	009011	20	Arbor Crossing	29.1	100	\$12,066.00
Orchards of East Lyme	009009	26	Arbor Crossing	29.1	105	\$12,066.00
Orchards of East Lyme	008935	33	Arbor Crossing	29.1	104	\$12,066.00
Gannon Charles & Linda	008010	22	Arbor Crossing	29.1	106	\$12,066.00
White Andrew & Deanna	008934	31	Arbor Crossing	29.1	107	\$12,066.00
Gupta Madhu & Yogesh	009007	32	Arbor Crossing	29.1	108	\$12,066.00
Bulusu Vijay K	009006	34	Arbor Crossing	29.1	109	\$12,066.00
Huynh Kevin	008936	35	Arbor Crossing	29.1	110	\$12,066.00
Hu Shihai & Youfen Xu	009031	2	Pumpkin Grove	29.1	111	\$12,066.00
Orchards of East Lyme	009023	21	Pumpkin Grove	29.1	112	\$12,066.00
Orchards of East Lyme	009013	30	Pumpkin Grove	29.1	113	\$12,066.00
Orchards of East Lyme	009024	10	Arbor Crossing	29	114	\$12,066.00
Orchards of East Lyme	009025	8	Arbor Crossing	29.1	115	\$12,066.00
Pennington Sean & Alma Agutai	009003	30	Arbor Crossing	29.1	116	\$12,066.00

The proposed supplement assessment resolution and proposed supplemental assessments are available for inspection at the office of the East Lyme Town Clerk.

EAST LYME WATER & SEWER COMMISSION

BY:

KEVIN SEERY, ITS CHAIRMAN

**EAST LYME WATER & SEWER COMMISSION
REGULAR MEETING
TUESDAY, MAY 24th, 2022
MINUTES**

EAST LYME WATER & SEWER COMMISSION
JUN 28 2022
AGENDA # <u>2b</u>

The East Lyme Water & Sewer Commission held a Regular Meeting on Tuesday, May 24th, 2022. Chairman Seery called the Regular Meeting to order at 6:35 PM after the previously held Public Hearing.

PRESENT: Kevin Seery, Chairman, Steve DiGiovanna, Dave Jacques, Joe Mingo, Dave Murphy, Carol Russell, Dave Zoller

ALSO PRESENT: Joe Bragaw, Public Works Director
Ben North, Municipal Utility Engineer
Anna Johnson, Finance Director
Anne Santoro, Deputy First Selectman

FILED

June 1, 2022 AT 11:51 AM PM

ABSENT: Dave Bond, Roger Spencer

Brooke Horem ATC
EAST LYME TOWN CLERK

1. Call to Order / Pledge of Allegiance

Chairman Seery called the Regular Meeting of the East Lyme Water & Sewer Commission to order at 6:35 PM. The Pledge was previously observed.

Mr. Seery asked for a motion to add item 5.A. to the agenda - Water & Sewer Special Appropriation 2022/2023 Acquisition Program.

****MOTION (1)**

Mr. DiGiovanna moved to add item 5.A. to the agenda - Water & Sewer Special Appropriation 2022/2023 Acquisition Program.

Mr. Murphy seconded the motion.

Vote: 7 - 0 - 0. Motion passed.

2. Approval of Minutes

▪ Regular Meeting Minutes - April 26, 2022

Mr. Seery called for a motion or any discussion on the Regular Meeting Minutes of April 26, 2022.

****MOTION (2)**

Mr. DiGiovanna moved to approve the Regular Meeting Minutes of April 26, 2022 as presented.

Mr. Murphy seconded the motion.

Vote: 7 - 0 - 0. Motion passed.

3. Delegations

Seery called for delegations.

There were none.

4. Consider Adoption of Proposed Supplemental Sewer Assessments

Attorney Zamarka explained the resolution noting that some of the remaining homes in the Orchards will be in another resolution once Pumpkin Grove is finished and some other odd new properties.

****MOTION (3)**

Mr. Murphy moved to approve the Supplemental Resolution to Sewer Main Extension No. 5 - Orchards at East Lyme (Arbor Crossing & Pumpkin Grove) as presented. Resolution attached in full at end of Minutes.

Mr. DiGiovanna seconded the motion.

Vote: 7 – 0 – 0. Motion passed.

5. Resolution Concerning 231 Boston Post Road

Attorney Zamarka recalled the background on this and explained that this Resolution increases the payment from 15 years to 20 years and lowers the rate from 5% to 3.5%. The 2009 benefit assessment was already approved and this is the understanding from staff that the Commission wanted this.

MOTION (4)

Mr. Murphy moved to approve the Amended Payment Provisions for Sewer Main Extension No. 5 for 231 Boston Post Road as presented. Resolution attached in full at end of Minutes.

Mr. DiGiovanna seconded the motion.

Vote: 7 – 0 – 0. Motion passed.

5.A. Water & Sewer Special Appropriation 2022/2023 Acquisition Program

Ms. Johnson noted that this is with regard to the Acquisition Program and the \$65,000 for the Ford F350 w/utility body for the Water department that was discussed at the previous meeting. This needs to be included in the Town authorization process.

MOTION (5)

Mr. DiGiovanna moved to authorize the Water and Sewer Commission Chairman to include the Ford F350 w/utility body vehicle for the water department for a value of \$65,000 in the Town authorization process for the 2022/2023 Acquisition Plan and to sign all the necessary agreements and documents to move this forward.

Mr. Zoller Seconded the motion.

Vote: 7 – 0 – 0. Motion passed

6. Billing Adjustments/Disputes

Mr. North noted the notices that they have put out on various aspects of Water & Sewer and Public Works for the public.

Mr. Mingo said that he has seen them and that they are well done.

Mr. Jacques asked if there have been a lot of issues with the new meters.

Mr. North said that there have not been that many and that they have been working with the people with respect to paying.

Mr. Mingo asked how many customers we picked up who have never been paying a water bill.

Mr. North said that there have been a handful but they are getting that cleaned up with this new system.

7. Approval of Bills

There were none.

8. Finance Director Report

Ms. Johnson reviewed her report noting that the cash positions continue to be strong.

There were no questions.

9. Project Updates

▪ Meter Replacement Project

Mr. North reported that in April they changed out 286 meters and are almost 40% complete.

▪ Update on Well 5 Rehabilitation Project

Mr. North reported that they would be conducting 72 hour pump tests next week. It will take a month to get the testing back and it looks like we will be on the July timeline.

Mr. Mingo asked if we know the water quality yet.

Mr. North said not yet, there is some iron but we do not have that information yet.

10. Sewer Service Truck – Discussion & Possible Action

Mr. North explained that they are looking to put an auto crane on this truck.

Mr. Bragaw said that they do not have anything like this on the Water & Sewer side and that it would be very useful. He added that they had brought this up before to purchase it out of sewer assessment as it is a capital item.

****MOTION (6)**

Mr. Murphy moved to appropriate and transfer \$160,000 in the sewer assessment Fund 3 from resources available to the account titled, 'Sewer Service Truck' for the purchase of a sewer service truck for enhanced O & M activities.

Mr. DiGiovanna seconded the motion.

Mr. Mingo asked if they knew that there is one available.

Mr. Bragaw said that they keep checking each week.

Vote: 7 – 0 – 0. Motion passed.

11. VFD Replacement at Bride Brook Sewer Pump Station – Discussion & Possible Action

Mr. North noted that this came up last week – when one went down and they had to put the bypass pump on. He noted that this is a capital item.

****MOTION (7)**

Mr. Murphy moved to appropriate and transfer \$10,329 in the sewer assessment fund 3 from resources available to the account titled, 'Bride Brook PS VFD Replacement' for the replacement and installation of a new VFD at the pump station.

Mr. DiGiovanna seconded the motion.

Mr. Jacques asked how long it would take to get this.

Mr. North said that we have it now.

Vote: 7 – 0 – 0. Motion passed.

12. Sewer Wetwell Aeration System Pilot Study – Discussion & Possible Action

Mr. North explained that this is an electrical way to help with the wetwell cleaning as the area is prone to grease build-up and odors. He said that he wants to see if this is a viable method as the cost of the chemicals is always going up.

Mr. Jacques asked if it is an immersion.

Mr. North said yes – it is meant to break up the grease cap and keep it in suspension.

****MOTION (8)**

Mr. Murphy moved to appropriate and transfer \$18,000 in the sewer assessment Fund 3 from resources available to the account titled, 'Wet well Aeration Pilot Study' for the installation and monitoring of the performance of a wet well aeration system to be installed at McCook's Sewer Pump Station.

Mr. DiGiovanna seconded the motion.

Mr. DiGiovanna asked if they are using the exact same items as Waterford is using.

Mr. North said, not exactly but similar. He added that Waterford finds them beneficial.

Mr. Jacques asked how long they will run the study.

Mr. North said through the summer as he thinks that they should have something by the end of the summer.

Ms. Russell asked how long they are good for and if there is any information on that.

Mr. North said not yet – however he does not think that they will be expensive to keep up as they are a blower type of unit.

Mr. Jacques asked how much of the \$18,000 the purchase is.

Mr. North said about \$8,000.

Vote: 7 – 0 – 0. Motion passed.

13. Well 6 Permit Renewal – Discussion & Possible Action

Mr. North said that they have a permit that is due and has to be in by early July so they need to renew it. He added that he would also like to explore getting a higher diversion from that well.

Mr. Bragaw said that this was also proposed in Brad's list of items.

****MOTION (9)**

Mr. Murphy moved to authorize the expenditure in the amount of \$16,000 in the water capital projects Fund 62 from account number 62-79-006-500-005 titled, 'Security/Well Improvement & Permit' for the completion of a new Well 6 Diversion Permit.

Mr. DiGiovanna seconded the motion.

Vote: 7 – 0 – 0. Motion passed.

14. Correspondence Log

There were no comments.

15. Chairman's Report

Mr. Seery reported that in the next week that the State would start the demolition of the Starlight Motel and that the Mobil Gas station would not be far behind that. He also reported that the Touch a Truck event held from 9 – 2 the previous Saturday was very successful.

Additionally, he has been getting complaints about the garbage on Main Street and in the parks. He has suggested using the 'nips' \$12,000 that they received from the State to purchase some special cans to be placed in these areas.

16. Staff Updates

a. Water Department Monthly Report

Mr. Murphy asked if there was an update on Old Lyme.

Mr. Seery said that he has heard that it is progressing.

Ms. Russell commented that the video on the flushing of the hydrants was very well done.

Mr. Bragaw said that it was done by the newest employee, Brian Chappell who had recently moved over from Highway.

Mr. North said that they have decreased the total monthly demand and that they have stopped sending water to New London.

Ms. Russell asked about an update on the agreement with Waterford.

Mr. Bragaw said that they are getting there and still working on it.

b. Sewer Department Monthly Report

There were no comments.

17. Future Agenda Items

There were none.

18. ADJOURNMENT

Mr. Seery called for a motion to adjourn.

****MOTION (10)**

Mr. DiGiovanna moved to adjourn this Regular Meeting of the East Lyme Water & Sewer Commission at 7:25 PM.

Mr. Zoller seconded the motion.

Vote: 8 – 0 – 0. Motion passed.

Respectfully submitted,

Karen Zimitruk,
Recording Secretary

Motion (3.1)
by
Lane
Murphy

SUPPLEMENTAL RESOLUTION TO SEWER MAIN EXTENSION NO. 5

**ORCHARDS AT EAST LYME
(ARBOR CROSSING and PUMPKIN GROVE)**

RESOLUTION relative to a supplemental assessment of benefits pursuant to the Resolution for Sewer Main Extension #5 adopted by the East Lyme Water and Sewer Commission on April 28, 2009, (hereinafter the "**Resolution**") in connection with various properties located in the Town of East Lyme, Connecticut, establishing the due date of said assessments, providing for installment payments of assessments and interest thereon;

WHEREAS, the East Lyme Water and Sewer Commission, the statutory municipal Water Pollution Control Authority existing under the laws of the State of Connecticut within and for the Town of East Lyme, has heretofore adopted a Resolution relative to the assessment of benefits for public sanitary collection sewers installed in the Town of East Lyme; and

WHEREAS, said Resolution provides that assessments may be deferred until approval of a subdivision plan for excess property by the planning commission, at which time assessment shall be made in accordance with the terms of said Resolution; and

WHEREAS, the properties hereinafter specified are subdivided portions of a tract known as "**The Orchards at East Lyme**" for which a subdivision plan has been approved by the planning commission and which is on file with the Town of East Lyme; said portions being designated as Pumpkin Grove and Arbor Crossing on a map or plan entitled "Orchards at East Lyme Phase Plan Prepared for Prestige at East Lyme, Connecticut, July 17, 2006, Rev. 12-06-07, Sheet 1 of 11, Gerwick-Mereen, LLC Civil Engineering and Land Surveying;" and

WHEREAS, the owners of houses, buildings, units of a common interest community or other structures used as residences and located on the parcels of land below are required to connect said houses, buildings, units and structures to the sewer, at their own expense; and

WHEREAS, it is the intention to levy supplemental assessments upon said properties in accordance with Section 7-249 of the Connecticut General Statutes and the Resolution.

NOW THEREFORE, BE IT RESOLVED by the East Lyme Water and Sewer Commission as follows:

1. The owners, properties and the amounts of the assessments hereby levied upon said properties are set forth on **Schedule A** attached hereto.

2. The obligation to make payment of the benefit assessment, and the interest thereon, shall not accrue until such time as the owners connect to the sewer. Said

Attachment
(00548507 1)

Motion on PH Resolution
Attachment

was Reg. Mtg. 5/24/20

ZP81

assessment shall be due and payable at the time when the owners connect to the sewer. The owners may pay the entire amount of the assessment in full on or before the date of connection without interest or pay said assessment by installment payments made in accordance with Paragraph 3 hereof.

3. If the election is made to pay said assessment by installment payments, installment payments of the assessment for each property shall be made in substantially equal annual installments, the first installment to be due and payable **January 1, 2023**, and each subsequent payment of an installment to be due and payable on or before **January 1st** of each year, and the final payment shall be due and payable no later than **January 1, 2038**. Payments shall be made payable to the order of the Treasurer of the Town of East Lyme. Notice of installment payments will be recorded on the East Lyme land records as provided by the Connecticut General Statutes.

Notwithstanding any other provision herein, if any portion of any installment, including accrued interest, has not been paid by the first anniversary date after such installment was due and payable, then the entire principal sum of the assessment, together with all accrued interest, shall become due and payable.

4. That interest at the rate of **five percent (5%)** per annum on the unpaid balance of the assessment shall be due and payable at the time of the payment of each installment provided for in paragraph 3 above. Any person may pay an installment or installments for which he is liable at any time prior to the due date thereof.

5. That the assessment or any installment thereof, if not paid within thirty (30) days after the due date, shall be delinquent and shall be subject to interest from such due date at the rate and in the manner set forth in the Connecticut General Statutes for delinquent property taxes.

6. That each installment of interest shall be collectible as part of such assessment.

7. That any delinquent assessment or delinquent installment of any assessment and any interest due thereon shall constitute a lien against the real estate against which the assessment was levied from the date such levy became due. Each such lien may be continued, recorded and released in the manner provided by the Connecticut General Statutes for continuing, recording, and releasing real property tax liens. Each such lien shall take precedence over all other liens and encumbrances except taxes and may be foreclosed in same manner as real property taxes.

BE IT FURTHER RESOLVED, that the assessments of benefits stated herein and in the public record of the Water and Sewer Commission of the Town of East Lyme should be deemed duly and legally made. Notice shall be published listing the proposed properties against which benefits have been assessed, with the amount to be paid by the Owner(s) and a notice of the date when assessments become due and payable. A copy of the assessment of benefits shall be mailed to the Owner(s) of each property affected thereby in accordance with the Connecticut General Statutes.

*2nd S. H. Johnson
Vote 7-0-0*

*Motion (4)
by
Mr. Murphy*

**RESOLUTION RE AMENDED PAYMENT PROVISIONS
FOR SEWER MAIN EXTENSION NO. 5**

RESOLUTION to amend the payment provisions for certain assessments of benefits for Extension No. 5 of the public sanitary sewerage system, known generally as the "Boston Post Road Extension" installed in the Town of East Lyme, Connecticut; establishing the due date of said assessments; providing for installment payments of said assessments and interest thereon;

WHEREAS, the East Lyme Water and Sewer Commission (hereinafter the "Commission"), the duly established municipal Water Pollution Control Authority existing under the laws of the State of Connecticut within and for the Town of East Lyme exercising its statutory authority under the laws of the State of Connecticut, has heretofore accepted the public improvements known as Extension No. 5 of the Town's public sanitary sewerage system, said improvements being more particularly described in as-built plans and specifications on file with the Commission; and

WHEREAS, the Connecticut General Statutes provide in part that at any time after a municipality by its Water Pollution Control Authority has authorized the acquisition or construction of a sewerage system, or portion thereof, the Water Pollution Control Authority may apportion and assess the whole or any portion of the cost thereof upon the lands and buildings in the municipality which, in its judgment, are especially benefited thereby, whether they abut on such sewerage system or not, and upon the owners of such land and buildings according to said Connecticut General Statutes and such rules as the Commission adopts; and

*Attachment Entire
Motion on 231
Boston Post Rd.
Sewer Ext. No 5 —
Payment Provisions
12/25 5/24/22*

[00649608.11]

3 pgs.

WHEREAS, on April 28, 2009, the Commission adopted a sewer benefit assessment for certain properties benefitted by the Boston Post Road Extension ("Assessment"); and

WHEREAS, the Assessment was "opt in," meaning that the obligation to pay would not accrue until owners of the affected properties opt to connect to the sewer system or the condition of the property is such that connection to the sewer system is not necessary; and

WHEREAS, the Assessment provided that if election was made to pay in installments such payments would be paid in fifteen (15) substantially equal annual payments beginning on April 1, 2010, and that interest at the rate of 5% per annum would accrue on the unpaid balance; and

WHEREAS, Assessments were previously levied against the condominium units located at 231 Boston Post Road, also known as Williamsburg Manor, as set forth on Schedule A attached hereto, and none of the Assessments were appealed to the Connecticut Superior Court; and

WHEREAS, after considering requests from several owners of condominium units located at 231 Boston Post Road, the Commission hereby amends the previously levied Assessment as follows.

NOW, THEREFORE, BE IT RESOLVED by the East Lyme Water and Sewer Commission, that the Assessment referenced herein is amended as follows:

1. If election is made to pay the assessment in installments, such installments shall be paid in **twenty (20)** substantially equal annual installments.

2. Interest at the rate of **3.5% per annum** shall accrue on the unpaid balance;
3. This Amendment shall apply to only those condominium units located at 231 Boston Post Road, as set forth on Schedule A, and
4. All other terms of the Assessment shall remain in full force and effect.
5. The modified payment schedule resulting from this Amendment will, if paid in full according to its terms, result in a total Assessment substantially equal to the original Assessment.
6. As no appeal was taken from the original Assessment, no appeal may be taken from this Amended Assessment.

*2nd D. Soriano
W. D. Soriano
V/A 7-0-0*

ATTACHMENT B
APPROVAL OF BILLS

EAST LYME WATER & SEWER COMMISSION

June 28, 2022

1. DOT Engineering Analysis

a. Weston and Sampson Inv. No. 5221030	\$	1,880.00
b. Weston and Sampson Inv. No. 6221080	\$	10,880.00

2. Meter Replacement Project

a.	\$
b.	\$
c.	\$

3. SCADA/Telemetry Improvements

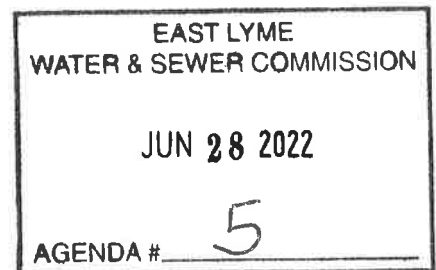
a.	\$
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4. Booster Station Upgrades

a.	\$
b.	\$

5. Water Main Improvements

a.	\$
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Tax ID No: 04-2601194

INVOICE

PLEASE MAKE CHECKS PAYABLE TO:

Weston & Sampson Engineers, Inc.

Weston & SampsonSM
ENGINEERS, INC.

55 Walkers Brook Drive, Suite 100, Reading, MA 01867
westonandsampson.com Tel: 978.532.1900

May 5, 2022

Project No: ENG21-0356

Invoice No: 5221030

Ben North
EAST LYME, TOWN OF
108 Pennsylvania Avenue
Niantic, CT 06357

Project ENG21-0356 TOWN OF EAST LYME- CT DOT 44-0156 SEWER CONFLICT
RESOLUTIONS

PURCHASE ORDER NO: 21-02079

Professional Services through April 29, 2022

Professional Personnel

	Hours	Rate	Amount	
SENIOR TEAM LEADER	2.00	220.00	440.00	
SR PROJECT ENGINEER	9.00	160.00	1,440.00	
Totals	11.00		1,880.00	
Total Labor				1,880.00
TOTAL THIS INVOICE				\$1,880.00

Billing Backup

Weston & Sampson Engineers, Inc.

Invoice 5221030 Dated 5/5/2022

Wednesday, May 4, 2022

10:05:10 AM

Project	ENG21-0356	TOWN OF EAST LYME- CT DOT 44-0156 SEWER CONFLICT RESOLUTIONS
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Professional Personnel

			Hours	Rate	Amount	
SENIOR TEAM LEADER						
04086	Tedeschi, Robert	4/5/2022	1.00	220.00	220.00	
04086	Tedeschi, Robert	4/28/2022	1.00	220.00	220.00	
SR PROJECT ENGINEER						
02848	McKenna, Kevin	4/5/2022	2.00	160.00	320.00	
02848	McKenna, Kevin	4/28/2022	3.00	160.00	480.00	
02848	McKenna, Kevin	4/29/2022	4.00	160.00	640.00	
	Totals		11.00		1,880.00	
	Total Labor					1,880.00
					Total this Project	\$1,880.00
					Total this Report	\$1,880.00

Tax ID No: 04-2601194

INVOICE

PLEASE MAKE CHECKS PAYABLE TO:

Weston & Sampson Engineers, Inc.

Weston & SampsonSM
ENGINEERS, INC.

55 Walkers Brook Drive, Suite 100, Reading, MA 01867
westonandsampson.com Tel: 978.532.1900

Ben North
EAST LYME, TOWN OF
108 Pennsylvania Avenue
Niantic, CT 06357

June 7, 2022

Project No: ENG21-0356

Invoice No: 6221080

Project ENG21-0356 TOWN OF EAST LYME- CT DOT 44-0156 SEWER CONFLICT
RESOLUTIONS

PURCHASE ORDER NO: 21-02079

Professional Services through May 27, 2022

Professional Personnel

	Hours	Rate	Amount	
SENIOR TEAM LEADER	24.00	220.00	5,280.00	
SR PROJECT ENGINEER	35.00	160.00	5,600.00	
Totals	59.00		10,880.00	
Total Labor				10,880.00
TOTAL THIS INVOICE				\$10,880.00

Outstanding Invoices

Number	Date	Balance
5221030	5/5/2022	1,880.00
Total		1,880.00

Billing Backup

Monday, June 6, 2022

Weston & Sampson Engineers, Inc.

Invoice 6221080 Dated 6/7/2022

11:28:35 AM

Project	ENG21-0356	TOWN OF EAST LYME- CT DOT 44-0156 SEWER CONFLICT RESOLUTIONS
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Professional Personnel

			Hours	Rate	Amount	
SENIOR TEAM LEADER						
04086	Tedeschi, Robert	5/2/2022	1.00	220.00	220.00	
04086	Tedeschi, Robert	5/3/2022	1.00	220.00	220.00	
04086	Tedeschi, Robert	5/4/2022	2.00	220.00	440.00	
04086	Tedeschi, Robert	5/5/2022	4.00	220.00	880.00	
04086	Tedeschi, Robert	5/6/2022	5.00	220.00	1,100.00	
04086	Tedeschi, Robert	5/9/2022	4.00	220.00	880.00	
04086	Tedeschi, Robert	5/10/2022	6.00	220.00	1,320.00	
04086	Tedeschi, Robert	5/16/2022	1.00	220.00	220.00	
SR PROJECT ENGINEER						
02848	McKenna, Kevin	5/2/2022	4.00	160.00	640.00	
02848	McKenna, Kevin	5/4/2022	2.00	160.00	320.00	
02848	McKenna, Kevin	5/5/2022	4.00	160.00	640.00	
02848	McKenna, Kevin	5/6/2022	8.00	160.00	1,280.00	
02848	McKenna, Kevin	5/9/2022	4.00	160.00	640.00	
02848	McKenna, Kevin	5/10/2022	8.00	160.00	1,280.00	
02848	McKenna, Kevin	5/17/2022	2.00	160.00	320.00	
02848	McKenna, Kevin	5/18/2022	3.00	160.00	480.00	
	Totals		59.00		10,880.00	
	Total Labor					10,880.00
				Total this Project		\$10,880.00
				Total this Report		\$10,880.00

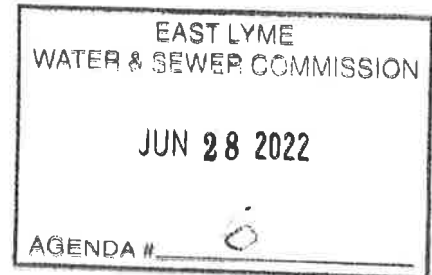
Memo

To: Kevin A. Seery, First Selectman
Water & Sewer Commission
Benjamin M. North, Utility Engineer
Joseph Bragaw, Public Works Director

From: Anna M. Johnson, Finance Director

Date: June 14, 2022

Re: Month End Reports – May 31, 2022



Water

The available cash balance in Water Operations at month end May 31, 2022 was \$2,622,325 compared to \$2,704,891 in 2021. Of the cash on hand at month end \$189,640 is held for meter deposits, \$532,758 is due to Sewer Operations and \$1,899,826 is available for operations compared to \$333,750, \$613,816 and \$1,754,382 respectively in the prior fiscal year.

During the month of May, we received \$1,262,854 in revenues for a total fiscal year to date of \$3,286,558 or 92.3% of the budgeted amount compared to \$1,227,434 and \$3,354,085 or 97.77% for fiscal year ended June 30, 2021. In May we billed \$16,713 for Prison use compared to \$24,156 in May 2021.

Total water operating expenditures for the month of May were \$244,685 of the amount budgeted compared to \$129,273 for fiscal year ended June 30, 2021. The percent of budget expended is 74% compared to 75% for 2021. During the month of May electric expenditures were \$23,920, chemicals \$41,226, \$24,597 for Liability Insurance Premium and \$19,542 for the Workers Comp Premium.

Sewer

The available cash balance in Sewer Operations at month end May 31, 2022 was \$402,607 compared to \$138,261 in May 2021. During the month of May, we received \$837,198 in revenues for a total fiscal year to date of \$2,189,491 or 96.85% of the budgeted amount compared to \$727,967 and \$2,110,096 or 97.42% for fiscal year ended June 30, 2021. In May we billed \$36,945 for Prison use compared to \$28,233 in May 2021.

Total sewer operating expenditures for the month of May were \$333,620 of the amount budgeted compared to \$165,200 for fiscal year ended June 30, 2021. The percent of budget expended is 81% compared to 93% for 2021. During the month we paid \$13,205 for utilities, \$17,119 for Chemicals, \$15,802 for Workers Comp Premium, \$36,483 for Liability Insurance Premium, \$184,871 to New London for the estimated third quarter cost and \$10,249 for Maintenance of Pump Station Equipment.

Sewer Assessment

The available cash balance in Sewer Assessment Fund at month end May 31, 2022 was \$3,735,955 compared to \$2,954,929 in May 2021. During the month we received \$88,330 in Assessments including principal, interest, late fees and lien fees and disbursements included \$13,339 for Sewer PS Control Upgrades, and \$19,224 for the O&M Generator.

**Town of East Lyme
Water & Sewer Operations
May 2022 Budget Highlights**

Description	5/31/2022	5/31/2021	Increase (Decrease)
WATER			
Total Revenues (month only)	1,262,854	1,227,434	35,421
Prison Billing (month only)	16,713	24,156	(7,443)
Delinquent Interest YTD	10,116	12,361	(2,244)
Benefit Charges YTD	52,750	48,850	3,900
Assessment Charges YTD	4,800	7,773	(2,973)
Connection Charges YTD	34,450	17,000	17,450
Misc/Turn On-Off Fees YTD	19,987	23,636	(3,649)
Lease Rental YTD	45,090	53,930	(8,841)
Private Hydrant Fees YTD	37,750	30,375	7,375
Town Hydrant Fees YTD	52,150	47,408	4,742
 Total Expenditures YTD	 2,578,355	 2,391,258	 187,097
SEWER			
Total Revenues (month only)	837,198	727,967	109,232
Prison Billing (month only)	36,945	28,233	8,712
 Total Expenditures	 1,706,842	 1,934,553	 (227,710)
Treatment Plant/System	633,529	770,824	(137,295)
Utilities	143,895	133,645	10,250
Chemicals	112,492	98,827	13,665

AGREEMENT RE MAINTENANCE OF SEWER PUMP STATION JUN 28 2022

THIS AGREEMENT, made on this ____ day of _____, 20__ by 7
and between the EAST LYME WATER AND SEWER COMMISSION (the
AGENDA # _____

“Commission”), acting as the Town of East Lyme’s duly designated Water Pollution
Control Authority, and SPINNAKER ASSOCIATION, INC. (the “Association”).

WITNESSETH:

WHEREAS, the Association is the association of unit owners of a common
interest community known as Spinnaker (“Common Interest Community”), created by a
declaration of Spinnaker Homes, LLC, dated December 10, 2003 and recorded on
December 19, 2003 in Volume 653 at Page 12 of the East Lyme Land Records
(“Spinnaker Declaration”);

WHEREAS, the common elements of the Common Interest Community includes
a community sewerage system, which further includes a sewer pump station (the
“Spinnaker Pump Station”);

WHEREAS, the Association is responsible for the operation, maintenance, repair
and replacement of the common elements of the Common Interest Community,
including the Spinnaker Pump Station; and

WHEREAS, the Association has requested that the Commission operate and
maintain the Spinnaker Pump Station, and the Commission is willing to perform such
operation and maintenance services on the terms and conditions hereinafter set forth;

NOW, THEREFORE, in consideration of the mutual covenants contained herein,
it is agreed:

1. The Commission will provide such services as may be necessary to
operate, maintain and keep in good repair the Spinnaker Pump Station, including

WATER & SEWER COMMISSION
PUMPING machinery and related structures and equipment, at reasonable efficiency and reliability consistent with the design capacity and capability of the installed machinery and equipment.

2. The services provided by the Commission shall be in accordance with generally accepted industry standards, and shall be performed in the same manner as the Commission maintains its own pump stations. The Commission will maintain records of its work in the same format and manner as it keeps records for its own pump stations.

3. The term of this agreement shall begin on July 1, 2022 and end at midnight on June 30, 2023.

4. On or before the fifteenth (15th) day of each month, the Commission will send a statement to the Association setting forth its charges for routine maintenance, non-routine maintenance, emergency services, materials and supplies and equipment and vehicles used in the operation, maintenance and repair of the Spinnaker Pump Station during the preceding month, and the Association shall pay said statement within thirty (30) days after the date thereof. Such charges shall be determined and calculated as follows:

A. Routine maintenance services are more particularly described in the "Preventative Maintenance Schedule" appended hereto as Attachment A. Such services may be performed between the hours of 7:00 a.m. and 3:30 p.m. three (3) times per week, generally occurring on but not limited to Mondays, Wednesdays and Fridays. Routine maintenance shall be charged at the fixed fee set forth in Section 1 of the attached Rate Schedule.

B. Non-routine maintenance shall be any maintenance services not described in Attachment A. By way of example and not by way of limitation, such services would include wet well cleaning, pump rebuilds, sewer line cleaning, and emergency generator repairs. The Commission will provide such services only upon the prior notice from the Commission and approval by the Association's designated representative. Non-routine maintenance shall be charged at the hourly rate set forth in Section 2 of the attached Rate Schedule.

C. Emergency services shall be any non-maintenance service rendered in response to an alarm received by the Commission or the East Lyme Emergency Dispatch Center. Emergency services may be rendered without prior approval of the Association. By way of example and not by way of limitation, such services would include alarm call-outs and status determinations, machinery malfunctions and sewerage overflows. Emergency services rendered during the normal weekday work hours between 7:00 a.m. to 3:30 p.m. shall be charged at the hourly rate set forth in Section 2 of the attached Rate Schedule. Emergency services rendered outside normal weekday working hours will be charged at the hourly rate set forth in Section 3 of the attached Rate Schedule. Charges for an emergency repair job which begins during normal weekday working hours and extends outside such hours will be pro-rated at the hourly rates set forth in Sections 2 and 3 of the attached Rate Schedule. Emergency call-outs after normal working hours or on weekends and holidays shall be billed for a minimum period of time of three (3) hours.

D. Materials and supplies incidental to routine maintenance, such as disposable gloves, absorbent pads and cleaners are included in the fixed fee for routine maintenance set forth in Section 1 of the attached Rate Schedule. The charge for all other materials, parts and supplies, including chemicals used in the maintenance or repair of the Spinnaker Pump Station shall be the Commission's cost for such materials, parts and supplies, plus twelve (12%) percent.

E. Equipment and vehicles used by the Commission for emergency services and repairs and non-routine maintenance will be charged at the rate set forth in Section 4 of the attached Rate Schedule.

F. Outside contractors used for non-routine maintenance services or for emergency call-outs shall be billed to the Association at the Commission's actual cost for such services.

5. The Spinnaker Pump Station, machinery and related equipment shall remain part of the common elements of the Common Interest Community, and at all times shall be subject to the Spinnaker Declaration. Any warranties, guarantees and licenses related to such equipment and machinery shall remain with the Association and will not be transferred to the Commission. The Association shall be solely responsible for obtaining, renewing and maintaining in effect all permits, licenses and approvals necessary for the operation of the pump station and the payment of all fees and expenses related thereto. The Association shall be solely responsible for the provision of all utilities, including but not limited to electricity, telephone, alarm systems, heat and

fuel for emergency generators, and all fees and expenses related thereto. The Association shall be solely responsible for the provision of unobstructed access to the pump station on foot and by vehicle (including the removal of snow and ice when necessary), lawn and grounds and building maintenance, and all fees and expenses related thereto.

6. The Association shall designate in writing the person or persons authorized to deal with the Commission regarding the maintenance and operation of the pump station. If during the term of this Agreement, the Association changes the designated person or persons, then it shall give the Commission notice of the change in accordance with the provisions of Paragraph 12 of this Agreement. Except upon emergencies, said designated representatives shall deal with the Commission's Superintendent of Sewers or the Municipal Utility Engineer, and shall not deal with or issue instructions to the Commission's employees. The Association may notify the Commission of the need for emergency services by contacting the East Lyme Emergency Dispatch Center at (860) 739-3419.

7. This agreement constitutes the entire agreement between the parties relating to the operation and maintenance of the Spinnaker Pump Station. Any prior understanding or representation of any kind preceding the date of this agreement shall not be binding upon either party except to the extent incorporated in this agreement. Any modification of this agreement or additional obligation assumed by either party in connection with this agreement shall be binding only if in writing and signed by the parties hereto.

8. The Association shall indemnify and save harmless the Commission and the Town of East Lyme from and against any and all damages to property or injuries to

or death of any person or persons, including property and employees of the Commission and the Town, and shall defend, indemnify and save harmless the Commission and the Town from and against any and all claims, demands, suits, actions or proceedings of any kind or nature or by anyone whomsoever in any case resulting from or arising out of acts or omissions of the Association or its agents, employees or subcontractors. Notwithstanding the foregoing, the Association shall not be required to indemnify and save harmless the Commission or the Town of East Lyme from and against damages to property or injuries to persons arising out of the negligence or willful misconduct of the Commission or the Town or their employees or agents.

9. The Commission shall be responsible for the prompt repair of any physical damage to real or personal property in the Common Interest Community caused by the Commission, the Town of East Lyme, any subcontractor, and anyone directly or indirectly employed by either of them, including, but not limited to, damaged roadways, curbs, signs, lights, buildings, and motor vehicles.

10. The Association shall carry Comprehensive General Liability Insurance providing for coverage for all damages arising out of bodily injuries or death and Comprehensive Property Damage and Liability Insurance providing for coverage for all damages arising out of injury to or destruction of property, with limits of liability of at least 2,000,000 – General Aggregate/\$1,000,000 – Each Occurrence, and shall name the Town of East Lyme and the Water and Sewer Commission as additional named insureds on said policies and, upon request, provide certificates evidencing such insurance.

11. This Agreement is separate and distinct from any Declarations of Covenants and Restrictions and Agreements regarding Community Sewerage Systems

executed heretofore or hereafter by the Association or its predecessors or successors, and is not to be construed or interpreted as affecting in any way the Association's obligations under said documents. This Agreement is separate and distinct from any individual customer service agreements with residents or owners of units in the Association's community, and is not to be interpreted or construed as affecting in any way said customer service agreements or the sewer usage rates charged to said customers.

12. The waiver of any failure under this agreement shall not be construed as, or constitute a waiver of, any subsequent failure. No delay on the part of either party in exercising any right, power or privilege hereunder shall operate as a waiver thereof.

13. Any notice, request, instruction or other document to be given hereunder by any party hereto to any other party shall be in writing and shall be sufficiently given if delivered in person, sent by facsimile, or sent by registered or certified mail, postage prepaid, as follows:

If to the Association: Spinnaker Association, Inc.
c/o Sound Real Estate Services, LLC
PO Box 118
New London, CT 06320
Facsimile: (860) 333-6536

If to the Commission: East Lyme Water and Sewer Commission
East Lyme Town Hall
108 Pennsylvania Avenue
P.O. Box 519
Niantic, CT 06357
Facsimile: (860) 739-6930

with a copy to: East Lyme First Selectman
East Lyme Town Hall
108 Pennsylvania Avenue
P.O. Box 519
Niantic, CT 06357
Facsimile: (860) 739-6930

or at such other address for a party as shall be specified by like notice. Any notice which is delivered personally in the manner provided herein shall be deemed to have been duly given to the party to whom it is directed upon actual receipt by such party (or its agent for notices hereunder). Any notice which is addressed and mailed in the manner herein provided shall be conclusively presumed to have been duly given to the party to which it is addressed at the close of business, local time of the recipient, on the fifth day after the day it is so placed in the mail (excluding Sundays). A notice which is sent via facsimile in the manner provided herein shall be conclusively presumed to have been given to the party to which it is sent upon confirmation of receipt of such facsimile.

14. In the event that either party breaches any of the provisions of this agreement either party, after previous written notice of the breach and a reasonable opportunity for the other party to cure the breach, shall have the right to terminate this agreement and to bring such actions at law or in equity as may be necessary or desirable to protect and enforce the interests of said party. Any such action shall be brought in the Superior Court for the Judicial District of New London, and each party waives any jurisdictional, venue, convenient forum, removal right or other right to the contrary. Each party waives the right to a jury trial.

15. This agreement shall be governed by, construed and enforced in accordance with the laws of the State of Connecticut.

IN WITNESS WHEREOF, the parties have hereunto set their names and seals and caused this instrument to be executed by their proper officers, as of the day and year first above.

TOWN OF EAST LYME
WATER AND SEWER COMMISSION

(witness)

By: _____

Its Chairman duly authorized

(witness)

SPINNAKER ASSOCIATION, INC.

(witness)

By: _____

Its _____ duly authorized

(witness)

ATTACHMENT A

PREVENTATIVE MAINTENANCE SCHEDULE

Spinnaker Sewer Pump Station

Weekly

Record elapsed time meter readings.

Check airflow indicator to ensure proper bubbler system airflow.

Monitor station during at least one pump down cycle to check for proper control operation along with leaks.

Check oil levels in seal and bearing chambers.

Check belts for wear and tension.

Check sump pump blower and dehumidifier for proper operation.

Verify back-up air pump works.

Switch to the backup air pump only when the lead air pump quits.

Check air release valves for proper operation. Grease, if necessary.

Record suction/discharge gauge readings for both pumps.

Exercise generator.

Perform manufacturer's recommended weekly procedures pursuant to the attached manuals.

Odor Control (Warm Weather Months)

Check operation of chemical feed pumps.

Check Concentration in wet well.

Replenish chemicals as required.

Emergency Power System

Exercise generator under load.

Check all fluids, battery connection and standby charger.

Check fuel levels.

Perform manufacturer's recommended preventive procedures and maintain service records.

Replace engine oil and coolant annually.

Replace starting battery every third year.

Monthly

Exercise plug valves.

Make sure check valves open and close properly.

Lubricate air release valves and check for proper operation.

Re-tension and align belt drives if necessary (after initial run/tension intervals).

Perform simulated power outage and exercise under load.

Semi-Annually

Adjust impeller to wear plate clearance (depending on application this may need to be done quarterly).

Clean air pump filter.

Annually

Change oil in pump seal and bearing chamber or every 4000 hours, whichever occurs first.

Grease motor bearings, in accordance with motor manufacturer's recommended schedule.

Test alarm system for proper operation.

Controls

1. With the exception of the air pumps, the controls do not require routine maintenance. Contacts and relays will be replaced only as needed.

Request for Water & Sewer Commission

TO: Water & Sewer Commission

FROM: Ben North, Utilities Engineer

DATE: June 15, 2022

SUBJECT: Hydraulic Model for DOT Work at Exit 74

Summary of Agenda Item:

The CTDOT will need to relocate water infrastructure in Flanders Road to install storm drainage systems. The relocation involves shutting down the 16" transmission main on Flanders Road in order to perform the relocation work. Staff has recommended that an updated hydraulic model of the water distribution be performed by Tighe and Bond in order to better understand the ramifications of shutting down the 16" main as it pertains to domestic use and fire protection. The Water and Sewer Commission will be reimbursed for this work by the DOT.

Action Needed:

Move to approve a special appropriation in Water Operations Fund 7 in the amount of up to \$9,000.00 to an account to be established titled, "DOT Exit 74 Project Hydraulic Model" for a study of the hydraulics of the water distribution system and to better understand the effects of the temporary shutdown of the 16" water main as it pertains to the project. Appropriation is to be effective July 1, 2022. The State of Connecticut CTDOT will reimburse Water Operations for this expenditure.

Attachments:

None

Prepared By: Ben North, Utilities Engineer

W&S Agenda Item No. <u>9</u> Date: 6/15/22

ANNUAL WATER QUALITY REPORT

Reporting Year 2021



Presented By
**East Lyme Water and
Sewer Commission**

EAST LYME
WATER & SEWER COMMISSION

JUN 28 2022

AGENDA #

10

PWS ID#: CT0450011

East Lyme Water - Hard at Work Producing the Best-Quality Water

Once again, we are proud to present our annual water quality report covering the period between January 1 and December 31, 2021. In a matter of only a few decades, drinking water has become exponentially safer and more reliable than at any other point in human history. Our exceptional staff continues to work hard every day—at all hours—to deliver the highest-quality drinking water without interruption. Although the challenges ahead are many, we feel that by relentlessly investing in customer outreach and education, new treatment technologies, system upgrades, and training, the payoff will be reliable, high-quality tap water delivered to you and your family.

Last summer marked the completion of the Wells 1A and 6 upgrade project, which expanded the treatment capacity of the Well 6 water treatment facility and diverted Well 1A water to that facility for enhanced treatment and removal of iron and manganese. This \$5.59-million project has been an overwhelming success and has reduced the amount of iron and manganese in the distribution system and customer complaints about discolored water.

In 2022 East Lyme residents voted to use American Rescue Project funds to rehabilitate Well 5, which has the lowest level of sodium of all the wells in the system. The new Well 5A is scheduled to go into production in July 2022 and will further enhance the water quality and quantity delivered to East Lyme water customers.

Testing for *Cryptosporidium*

Cryptosporidium is a microbial parasite found in surface water throughout the U.S. Although filtration removes *Cryptosporidium*, the most commonly used filtration methods cannot guarantee 100-percent removal. Current test methods do not allow us to determine if the organisms are dead or if they are capable of causing disease. Symptoms of infection include nausea, diarrhea, and abdominal cramps. Most healthy individuals can overcome the disease within a few weeks. However, immunocompromised people are at greater risk of developing life-threatening illness. We encourage immunocompromised individuals to consult their doctor regarding appropriate precautions to take to avoid infection. *Cryptosporidium* must be ingested to cause disease, and it may be spread through means other than drinking water.

Community Participation

You are invited to participate in our public forum and voice your concerns about your drinking water. We meet the fourth Tuesday of each month at 7:00 p.m. at the East Lyme Town Hall, 108 Pennsylvania Avenue, Niantic.

Source Water Assessment

The State of Connecticut Department of Public Health (DPH), in cooperation with the Department of Energy and Environmental Protection, completed source water assessments for all the East Lyme Water Department's public water supply sources. The sources were rated based on their environmental sensitivity, potential risk factors, and source protection needs. The rating does not necessarily imply poor water quality but indicates susceptibility to potential sources of contamination.

The Bride Lake well field, including Wells 2A, 3A, and 3B, received a low overall susceptibility rating. The remaining well fields, which include Gorton Pond (Wells 1A and 6), Dodge Pond (Well 4A), and Well 5 received moderate overall susceptibility ratings. New London's Lake Konomoc reservoir received a low susceptibility rating. The source water assessments are available on the DPH website at portal.ct.gov/DPH/Drinking-Water/DWS/Source-Water-Assessment-Program-SWAP-Reports.

Important Health Information

Sources of lead in drinking water include corrosion of household plumbing systems and erosion of natural deposits. Infants and children who drink water containing lead in excess of the action level could experience delays in their physical or mental development. Children could show slight deficits in attention span and learning abilities. Adults who drink this water over many years could develop kidney problems or high blood pressure.



Sources of copper in drinking water include corrosion of household plumbing systems, erosion of natural deposits, and leaching from wood preservatives. Copper is an essential nutrient, but some people who drink water containing copper in excess of the action level over a relatively short amount of time could experience gastrointestinal distress. Some people who drink water containing copper in excess of the action level over many years could suffer liver or kidney damage. People with Wilson's disease should consult their personal doctor.

Some people may be more vulnerable to contaminants in drinking water than the general population. Immunocompromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants may be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. The U.S. EPA/CDC (Centers for Disease Control and Prevention) guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* and other microbial contaminants are available from the Safe Drinking Water Hotline at (800) 426-4791.

QUESTIONS? For more information about this report, or for any questions relating to your drinking water, please call Ben North, Utilities Engineer, East Lyme Water Department at (860) 691-4104 or email us at watersewer@eltownhall.com.

Substances That Could Be in Water

To ensure that tap water is safe to drink, the U.S. EPA prescribes regulations limiting the amount of certain contaminants in water provided by public water systems. U.S. Food and Drug Administration regulations establish limits for contaminants in bottled water, which must provide the same protection for public health. Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of these contaminants does not necessarily indicate that the water poses a health risk.

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals, in some cases, radioactive material, and substances resulting from the presence of animals or from human activity. Substances that may be present in source water include:

Microbial Contaminants, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations, or wildlife;

Inorganic Contaminants, such as salts and metals, which can be naturally occurring or may result from urban stormwater runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming;

Pesticides and Herbicides, which may come from a variety of sources such as agriculture, urban stormwater runoff, and residential uses;

Organic Chemical Contaminants, including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production and may also come from gas stations, urban stormwater runoff, and septic systems;

Radioactive Contaminants, which can be naturally occurring or may be the result of oil and gas production and mining activities.

For more information about contaminants and potential health effects, call the U.S. EPA's Safe Drinking Water Hotline at (800) 426-4791.

Lead in Home Plumbing

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. We are responsible for providing high-quality drinking water, but we cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to two minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline at (800) 426-4791 or epa.gov/safewater/lead.

Where Does My Water Come From?

The Town of East Lyme customers depend on a water supply that comes from seven groundwater sources. Wells are located throughout the town in two separate aquifers, Pattagansett and Bride Brook. The water from six of the wells is filtered to remove iron and manganese and then treated for pH adjustment, chlorine disinfection, and fluoridation. Well 2A is the sole well in town that is similarly treated but not currently filtered; a project is planned to provide filtration for this source as well. A sequestering agent is added to the finished water of Well 2A to mitigate issues arising from iron and manganese in the unfiltered water.

The finished water from these wells is delivered through an extensive distribution system that includes two water storage tanks and 10 booster stations. During the summer months, East Lyme's supply is supplemented with water from the City of New London through a distribution network that includes more than three miles of water main, an elevated water storage tank, and two pumping stations. New London's water comes from lakes and reservoirs in a protected watershed that is located in Waterford, Montville, and Salem. The principal reservoir is Lake Konomoc. The water is processed using coagulation, flocculation, sedimentation, and carbon filtration and then treated for pH adjustment, chlorine disinfection, fluoridation, and corrosion control. To learn more about our watershed online, visit U.S. EPA's How's My Waterway at epa.gov/waterdata/how's-my-waterway.

“When the well is dry, we know the worth of water.”

—Benjamin Franklin

Water Conservation Tips

You can play a role in conserving water and save yourself money in the process by becoming conscious of the amount of water your household is using and looking for ways to use less whenever you can. It's not hard to conserve water. Here are a few tips:

- Automatic dishwashers use 15 gallons for every cycle, regardless of how many dishes are loaded. So get a run for your money and load it to capacity.
- Turn off the tap when brushing your teeth.
- Check every faucet in your home for leaks. Just a slow drip can waste 15 to 20 gallons a day. Fix it and you can save almost 6,000 gallons per year.
- Check your toilets for leaks by putting a few drops of food coloring in the tank. Watch for a few minutes to see if the color shows up in the bowl. It is not uncommon to lose up to 100 gallons a day from an invisible toilet leak. Fix it and you save more than 30,000 gallons a year.
- Use your water meter to detect hidden leaks. Simply turn off all taps and water-using appliances. Then check the meter after 15 minutes. If it moved, you have a leak.

Test Results

Our water is monitored for many different kinds of substances on a very strict sampling schedule. The water we deliver must meet specific health standards. Here, we only show substances that were detected in our water (a complete list of all our analytical results is available upon request). Remember that detecting a substance does not mean the water is unsafe to drink; our goal is to keep all detects below their respective maximum allowed levels. Please also understand that unless otherwise noted, the amount detected of a contaminant is the highest level detected in the entire set of samples taken throughout the year. Since the water in East Lyme is blended from seven wells, the contaminant levels will invariably be lower than the highest reported amount.

The state recommends monitoring for certain substances less than once per year because the concentrations of these substances do not change frequently. In these cases, the most recent sample data are included, along with the year in which the sample was taken.

During the summer of 2021, we did not monitor for the presence of volatile organic chemicals (VOCs) in the public drinking water system at two locations. Upon being notified of this violation by DPH, we immediately analyzed our water supply for VOCs. Results of the analysis have been received and properly recorded as required by state and federal law. We do not believe that missing this monitoring requirement had any impact on public health and safety. We have already taken steps to ensure that adequate monitoring and reporting will be performed in the future so that this oversight will not be repeated. The documentation for these missed sampling events is attached at the end of this report.

REGULATED SUBSTANCES ¹							
SUBSTANCE (UNIT OF MEASURE)	YEAR SAMPLED	MCL [MRDL]	MCLG [MRDLG]	AMOUNT DETECTED	RANGE LOW-HIGH	VIOLATION	TYPICAL SOURCE
Barium (ppm)	2020	2	2	0.089	0.008–0.089	No	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits
Beta/Photon Emitters (pCi/L)	2021	50 ²	0	28.7	ND–28.7	No	Decay of natural and human-made deposits
Chlorine (ppm)	2021	[4]	[4]	1.40	0.21–1.40	No	Water additive used to control microbes
Chromium (ppb)	2020	100	100	2	1–2	No	Discharge from steel and pulp mills; Erosion of natural deposits
Combined Radium (pCi/L)	2021	5	0	2.64	ND–2.64	No	Erosion of natural deposits
Fluoride (ppm)	2021	4	4	1.4	0.24–1.4	No	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories
Haloacetic Acids [HAAs]–Stage 2 (ppb)	2021	60	NA	5.2 ¹	1.2–8.8	No	By-product of drinking water disinfection
Nitrate (ppm)	2021	10	10	3.73	0.28–3.73	No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
TTHMs [total trihalomethanes]–Stage 2 (ppb)	2021	80	NA	16.5 ³	5.3–37.9	No	By-product of drinking water disinfection
Turbidity ⁴ (NTU)	2021	TT	NA	0.65	0.2–0.65	No	Soil runoff

Definitions

90th %ile: The levels reported for lead and copper represent the 90th percentile of the total number of sites tested. The 90th percentile is equal to or greater than 90% of our lead and copper detections.

AL (Action Level): The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow

MCL (Maximum Contaminant Level): The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

MCLG (Maximum Contaminant Level Goal): The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

MRDL (Maximum Residual Disinfectant Level): The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

MRDLG (Maximum Residual Disinfectant Level Goal): The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

NA: Not applicable.

ND (Not detected): Indicates that the substance was not found by laboratory analysis.

NTU (Nephelometric Turbidity Units): Measurement of the clarity, or turbidity, of water. Turbidity in excess of 5 NTU is just noticeable to the average person.

pCi/L (picocuries per liter): A measure of radioactivity.

ppb (parts per billion): One part substance per billion parts water (or micrograms per liter).

ppm (parts per million): One part substance per million parts water (or milligrams per liter).

SMCL (Secondary Maximum Contaminant Level): These standards are developed to protect aesthetic qualities of drinking water and are not health based.

TT (Treatment Technique): A required process intended to reduce the level of a contaminant in drinking water.

Tap water samples were collected for lead and copper analyses from sample sites throughout the community

SUBSTANCE (UNIT OF MEASURE)	YEAR SAMPLED	AL	MCLG	AMOUNT DETECTED (90TH %ILE)	SITES ABOVE AL/TOTAL SITES	VIOLATION	TYPICAL SOURCE
Copper (ppm)	2021	1.3	1.3	0.37	0/33	No	Corrosion of household plumbing systems; Erosion of natural deposits
Lead (ppb)	2021	15	0	ND	0/33	No	Lead service lines; Corrosion of household plumbing systems, including fittings and fixtures; Erosion of natural deposits

SECONDARY SUBSTANCES ¹

SUBSTANCE (UNIT OF MEASURE)	YEAR SAMPLED	SMCL	MCLG	AMOUNT DETECTED	RANGE LOW-HIGH	VIOLATION	TYPICAL SOURCE
Chloride (ppm)	2021	250	NA	86.5	19–86.5	No	Runoff/leaching from natural deposits; Road salt
Iron (ppb)	2021	300	NA	35	10–35	No	Leaching from natural deposits; Industrial wastes
Manganese (ppb)	2021	50	NA	495	1–495	No	Leaching from natural deposits
Sulfate (ppm)	2021	250	NA	19.9	7.3–19.9	No	Runoff/leaching from natural deposits; Industrial wastes

UNREGULATED SUBSTANCES ¹

SUBSTANCE (UNIT OF MEASURE)	YEAR SAMPLED	AMOUNT DETECTED	RANGE LOW-HIGH	TYPICAL SOURCE
HAA6Br (ppb)	2019	6.4	1.5–6.4	By-product of drinking water disinfection
HAA9 (ppb)	2019	8	1.5–8	By-product of drinking water disinfection
Sodium ⁵ (ppm)	2021	42.9	12.4–42.9	Naturally occurring; Road salt

¹ Unless otherwise indicated, the value reported in the Amount Detected column is the highest amount detected during the year.

² The MCL for beta particles is 4 millirems per year. U.S. EPA considers 50 pCi/L to be the level of concern for beta particles.

³ The value reported in the Amount Detected column is the highest locational running annual average for the year.

⁴ Turbidity is a measure of the cloudiness of the water. It is monitored because it is a good indicator of water quality and the effectiveness of disinfectants.

⁵ When the sodium level exceeds 28 ppm, people who have been placed on a sodium-restricted diet should inform their physicians.

Source Water Protection

Level A aquifer mapping has been completed for all our water supply sources and approved by the state regulatory agencies. The mapping more accurately identifies the zone of influence for our water supply wells and is used to regulate land use activities that may affect water quality.



PUBLIC NOTIFICATION
Important Information About Your Drinking Water

MONITORING AND/OR REPORTING VIOLATION

Este informe contiene información importante acerca de su agua potable. Haga que alguien lo traduzca para usted, o hable con alguien que lo entienda.

Date: 6/10/2022
PWSID: CT0450011
To: The Customers/Residents of East Lyme Water & Sewer Commission
From: Ben North, Municipal Utilities Engineer

Our public water system recently violated drinking water monitoring and/or reporting requirements. As a supplier of public drinking water, we are required to monitor the water quality of our water supply to insure that it meets the current drinking water standards. Failure to conduct monitoring and/or report results of such monitoring to the State Department of Public Health Drinking Water Section constitutes a violation. Although this incident was not an emergency, as our customers, you have a right to know what happened and what we did to correct this situation.

We are required to monitor your drinking water for specific contaminants on a regular basis. Results of regular monitoring are an indicator of whether or not our drinking water meets health standards. We did not complete the monitoring or did not report the results for the requirement(s) listed below:

Organic Chemicals (WSF ID: 00705; Monitoring Period: January 1, 2021 - December 31, 2021)
Organic Chemicals (WSF ID: 00704; Monitoring Period: January 1, 2021 - December 31, 2021)

What is being done?

The following areas have been affected:

The western end of the East Lyme water distribution system, including portions of Giants Neck and West Main St. A small portion of downtown Niantic was also in the monitoring area that was not sampled.

The following steps are being taken to correct this violation:

A catch-up sampling event was performed in February 2022. No detectable VOCs were found. A monthly review of periodic sampling requirements and dates they have been performed has been implemented.

We expect to return to compliance or resolve the situation by February 2022
(date)

If you have any questions please contact Ben North, Utilities Engineer at 860-691-4108 or
(owner, operator or designee) (phone #)
by mail at 108 Pennsylvania Ave, Niantic, CT, 06357
(Street) (Town) (State) (Zip Code)

Please share this information with all the other people who drink this water, especially those who may not have received this notice directly (for example, people in apartments, nursing homes, schools, and businesses). You can do this by posting this notice in a public place or distributing copies by hand or mail.

**CORRESPONDENCE
LOG -JUNE 2022**

[illegible]

EAST LYME
WATER & SEWER COMMISSION

JUN 28 2022

AGENDA # 12

**East Lyme Water Department
Monthly Report - June 2022**

1. General Statistics for

May-22

TASKS PERFORMED by WATER DEPARTMENT	May 2022	TOTAL THIS YEAR	TOTAL LAST YEAR (July 1st to June 30th)
Meters Installed (New Accounts)	3	29	22
New Meters In System	218	1,900	New / Total
			2882 / 6914 or 42%
New Service Connections Installed	0	6	8
Services and Mains Repaired⁽¹⁾	2 Service Leaks repaired	44	7
Gallons Pumped (x1000)	65,009	660,798	616,864

(1) Repair or replacement of service line from main to curb stop.

2. Monthly Average Day Demand (MADD)

	May	May 2021	% Difference LY
Water Produced (Million Gallons Daily)	2.097	1.852	13.23%

MADD as a % of 3.16 MGD available water (24-hour pumping) = 66.36%

MADD as a % of 2.37 MGD available water (18-hour pumping) = 88.48%

Note: Available water based on 2005 Water Supply Plan and subsequent revisions approved February 20, 2007. Figures not adjusted for additional water available from New London during the summer months.

3. Significant Items

1. Precipitation was 2.52 inches for the month of May
2. Staff is continuing meter replacement work. 218 meters have been installed in the month of May.
3. Water production demand has begun rising, with 65 million gallons pumped this month. No wells are offline due to streamflow restrictions at this time.
4. Distribution system flushing is underway. 240 Hydrants have been flushed to date, approximately 30% of the system.

EAST LYME WATER & SEWER COMMISSION
JUN 28 2022
AGENDA # <u>14a</u>

EAST LYME WATER DEPARTMENT

Historic Monthly Water Production Report (x1,000)

[illegible]

Historic Monthly Water Production Report (x1,000)

[illegible]

**STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH
DRINKING WATER SECTION**

TREATMENT EFFLUENT MONITORING AND REPORTING FORM

1. Public Water System (PWS) Information:

PWS ID:

PWS Name:

City/Town:

2. Compliance Information:

Water System Facility ID:

Month: Year:

Certified Operator:

3. Analytical Results:

Day	Status 1	Chlorine Residual (mg/L)	pH (pH units)	Phosphate (mg/L)	Fluoride (mg/L)	Day	Status 1	Chlorine Residual (mg/L)	pH (pH units)	Phosphate (mg/L)	Fluoride (mg/L)
1		0.57	7.36		0.60	17		0.62	7.63		0.66
2		0.58	7.14		0.46	18		0.56	7.50		0.63
3		0.69	7.34		0.61	19		0.61	7.35		0.68
4		0.43	7.70	1.16	0.89	20		0.59	7.58		0.61
5		0.58	7.78		0.87	21		0.29	7.14		0.67
6		0.38	7.58		0.77	22		0.52	7.46		0.54
7		0.22	7.47		0.71	23		0.65	7.63		0.51
8		0.52	7.42		0.93	24		0.70	7.73		1.07
9		0.61	7.34		0.65	25		0.79	7.64		0.50
10		0.61	7.71		0.76	26		0.71	7.66		0.68
11		0.75	7.70		0.69	27		0.70	7.71		0.30
12		0.64	7.63		0.63	28		0.62	7.50	1.36	0.71
13		0.61	7.70	1.39	0.65	29		0.75	7.60		0.50
14		0.57	7.50	1.38	0.93	30		0.75	7.60		0.92
15		0.58	7.60	1.41	0.75	31		0.73	7.57		0.87
16		0.58	7.42		0.70						

4. Summary Information (Check all summary types that are applicable regardless of Status):

Summary Type		Treatment Summary Name	Monitoring Requirements			Highest Daily Reading	Monthly Average	Lowest Daily Reading	Level Compliance (Y/N) 4
			Number of Days		Compliance (Y/N) 3				
			Required 2	Completed					
<input checked="" type="checkbox"/>	CHLR	Monthly Chlorine Log	31	31	Y	0.79	0.60	0.22	Y
<input checked="" type="checkbox"/>	PHRD	Monthly pH Log	31	31	Y	7.78	7.54	7.14	Y
<input checked="" type="checkbox"/>	PHOS	Monthly Phosphate Log	2	5	Y	1.41	1.34	1.16	Y
<input checked="" type="checkbox"/>	FLRD	Monthly Fluoride Log	31	31	Y	1.07	0.69	0.30	Y

1 Status indicates a Water System Facility was offline on any particular day of the month. Fill with "offline" when applicable.

2 The Number of Samples Required is contingent on the number of days the Water System Facility or treatment process was online. If the facility or treatment process was not online but monitoring is normally required Number of Days Required = "0" and the Summary Type must be checked.

3 The M&R (Monitoring & Reporting) Complied field is an indicator ensuring Number of Samples Taken > Number of Samples Required.

4 The Level Complied field is an indicator ensuring that the Highest and Lowest Readings are within required ranges for treatment effluents. Operating Limits are provided in the current Schedule of Water Quality Monitoring Requirements.

**STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH
DRINKING WATER SECTION**

TREATMENT EFFLUENT MONITORING AND REPORTING FORM

1. Public Water System (PWS) Information:

PWS ID:

PWS Name:

City/Town:

2. Compliance Information:

Water System Facility ID:

Month: Year:

Certified Operator:

3. Analytical Results:

Day	Status 1	Chlorine Residual (mg/L)	pH (pH units)	Phosphate (mg/L)	Fluoride (mg/L)	Day	Status 1	Chlorine Residual (mg/L)	pH (pH units)	Phosphate (mg/L)	Fluoride (mg/L)
1		0.78	7.17		0.67	17		1.11	7.50		0.62
2		0.57	7.22		0.70	18		1.19	7.26		0.56
3		0.85	7.12		0.69	19		1.15	7.12		0.73
4		0.47	7.16		0.63	20		1.09	7.60		0.78
5		0.61	7.22		0.82	21		1.01	7.36		0.74
6		1.20	7.17		0.78	22		0.98	7.26		0.62
7		1.21	7.25		0.72	23		0.94	7.10		0.50
8		1.11	7.21		0.67	24		0.43	7.24		0.66
9		1.59	7.18		0.70	25		0.88	7.49		0.60
10		0.78	7.32		0.72	26		0.67	7.43		0.58
11		1.13	7.26		0.60	27		0.88	7.17		0.81
12		0.95	7.22		0.62	28		0.58	7.30		0.78
13		0.85	7.16		0.53	29		0.99	7.30		0.81
14		1.15	7.10		0.73	30		1.04	7.40		0.79
15		1.31	7.10		0.67	31		0.87	7.52		0.76
16		1.35	7.70		0.69						

4. Summary Information (Check all summary types that are applicable regardless of Status):

Summary Type		Treatment Summary Name	Monitoring Requirements			Highest Daily Reading	Monthly Average	Lowest Daily Reading	Level Compliance (Y/N) 4
			Number of Days		Compliance (Y/N) 3				
			Required 2	Completed					
<input checked="" type="checkbox"/>	CHLR	Monthly Chlorine Log	31	31	Y	1.59	0.96	0.43	Y
<input checked="" type="checkbox"/>	PHRD	Monthly pH Log	31	31	Y	7.70	7.28	7.10	Y
<input type="checkbox"/>	PHOS	Monthly Phosphate Log							
<input checked="" type="checkbox"/>	FLRD	Monthly Fluoride Log	31	31	Y	0.82	0.69	0.50	Y

- 1 Status indicates a Water System Facility was offline on any particular day of the month. Fill with "offline" when applicable.
- 2 The Number of Samples Required is contingent on the number of days the Water System Facility or treatment process was online. If the facility or treatment process was not online but monitoring is normally required Number of Days Required = "0" and the Summary Type must be checked.
- 3 The M&R (Monitoring & Reporting) Complied field is an indicator ensuring Number of Samples Taken > Number of Samples Required.
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**STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH
DRINKING WATER SECTION**

TREATMENT EFFLUENT MONITORING AND REPORTING FORM

1. Public Water System (PWS) Information:											
PWS ID:		CT0450011									
PWS Name:		East Lyme Water & Sewer Commission									
City/Town:		East Lyme									
2. Compliance Information:											
Water System Facility ID:		00705									
Month:		05		Year:		2022					
Certified Operator:		Mark Alfieri									
3. Analytical Results:											
Day	Status 1	Chlorine Residual (mg/L)	pH (pH units)	Phosphate (mg/L)	Fluoride (mg/L)	Day	Status 1	Chlorine Residual (mg/L)	pH (pH units)	Phosphate (mg/L)	Fluoride (mg/L)
1		0.55	7.21		0.72	17		1.19	7.26		0.67
2		0.37	7.13		0.61	18		1.06	7.23		0.70
3		0.31	7.16		0.58	19		0.90	7.27		0.70
4		0.24	7.12		0.67	20		0.96	7.13		0.66
5		0.22	7.32		0.80	21		0.90	7.35		0.67
6		0.20	7.28		0.72	22		0.55	7.54		0.56
7		0.27	7.17		0.71	23		0.81	7.30		0.76
8		0.23	7.31		0.80	24		0.78	7.26		0.75
9		0.21	7.20		0.81	25		0.88	7.24		0.61
10		0.36	7.24		0.68	26		1.14	7.45		0.64
11		0.48	7.31		0.81	27		0.98	7.30		0.75
12		1.00	7.37		0.66	28		0.74	7.40		0.62
13		1.24	7.26		0.67	29		0.84	7.20		0.70
14		0.75	7.20		0.75	30		1.05	7.20		0.65
15		0.88	7.40		0.79	31		1.05	7.41		0.67
16		1.13	7.19		0.64						
4. Summary Information (Check all summary types that are applicable regardless of Status):											
Summary Type	Treatment Summary Name	Monitoring Requirements				Highest Daily Reading	Monthly Average	Lowest Daily Reading	Level Compliance (Y/N) 4		
		Number of Days		Compliance (Y/N) 3							
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<input checked="" type="checkbox"/> CHLR	Monthly Chlorine Log	31	31	Y	1.24	0.72	0.20	Y			
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<input type="checkbox"/> PHOS	Monthly Phosphate Log										
<input checked="" type="checkbox"/> FLRD	Monthly Fluoride Log	31	31	Y	0.81	0.69	0.56	Y			
<p>1 Status indicates a Water System Facility was offline on any particular day of the month. Fill with "offline" when applicable.</p> <p>2 The Number of Samples Required is contingent on the number of days the Water System Facility or treatment process was online. If the facility or treatment process was not online but monitoring is normally required Number of Days Required = "0" and the Summary Type must be checked.</p> <p>3 The M&R (Monitoring & Reporting) Complied field is an indicator ensuring Number of Samples Taken > Number of Samples Required.</p> <p>4 The Level Complied field is an indicator ensuring that the Highest and Lowest Readings are within required ranges for treatment effluents. Operating Limits are provided in the current Schedule of Water Quality Monitoring Requirements.</p>											

**STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH
DRINKING WATER SECTION**

TREATMENT EFFLUENT MONITORING AND REPORTING FORM

1. Public Water System (PWS) Information:

PWS ID:

PWS Name:

City/Town:

2. Compliance Information:

Water System Facility ID:

Month: Year:

Certified Operator:

3. Analytical Results:

Day	Status 1	Chlorine Residual (mg/L)	pH (pH units)	Phosphate (mg/L)	Fluoride (mg/L)	Day	Status 1	Chlorine Residual (mg/L)	pH (pH units)	Phosphate (mg/L)	Fluoride (mg/L)
1	offline					17	offline				
2	offline					18	offline				
3	offline					19	offline				
4	offline					20	offline				
5	offline					21	offline				
6	offline					22	offline				
7	offline					23	offline				
8	offline					24	offline				
9	offline					25	offline				
10	offline					26	offline				
11	offline					27	offline				
12	offline					28	offline				
13	offline					29	offline				
14	offline					30	offline				
15	offline					31	offline				
16	offline										

4. Summary Information (Check all summary types that are applicable regardless of Status):

Summary Type	Treatment Summary Name	Monitoring Requirements		Compliance (Y/N) 3	Highest Daily Reading	Monthly Average	Lowest Daily Reading	Level Compliance (Y/N) 4
		Number of Days Required 2	Completed					
<input checked="" type="checkbox"/> CHLR	Monthly Chlorine Log	0	0	Y				Y
<input checked="" type="checkbox"/> PHRD	Monthly pH Log	0	0	Y				Y
<input type="checkbox"/> PHOS	Monthly Phosphate Log							
<input checked="" type="checkbox"/> FLRD	Monthly Fluoride Log	0	0	Y				Y

- 1 Status indicates a Water System Facility was offline on any particular day of the month. Fill with "offline" when applicable.
- 2 The Number of Samples Required is contingent on the number of days the Water System Facility or treatment process was online. If the facility or treatment process was not online but monitoring is normally required Number of Days Required = "0" and the Summary Type must be checked.
- 3 The M&R (Monitoring & Reporting) Complied field is an indicator ensuring Number of Samples Taken > Number of Samples Required.
- 4 The Level Complied field is an indicator ensuring that the Highest and Lowest Readings are within required ranges for treatment effluents. Operating Limits are provided in the current Schedule of Water Quality Monitoring Requirements.

**STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH
DRINKING WATER SECTION**

TREATMENT EFFLUENT MONITORING AND REPORTING FORM

1. Public Water System (PWS) Information:

PWS ID:

PWS Name:

City/Town:

2. Compliance Information:

Water System Facility ID:

Month: Year:

Certified Operator:

3. Analytical Results:

Day	Status 1	Chlorine Residual (mg/L)	pH (pH units)	Phosphate (mg/L)	Fluoride (mg/L)	Day	Status 1	Chlorine Residual (mg/L)	pH (pH units)	Phosphate (mg/L)	Fluoride (mg/L)
1		0.76	7.25		0.79	17		1.00	7.18		0.74
2		0.73	7.22		0.77	18		1.14	7.19		0.70
3		0.81	7.27		0.73	19		1.05	7.10		0.74
4		0.71	7.31		0.53	20		1.02	7.11		0.66
5		0.88	7.20		0.62	21		0.93	7.14		0.62
6		0.80	7.18		0.54	22		0.99	7.16		0.44
7		0.72	7.31		0.92	23		1.07	7.16		0.73
8		0.84	7.38		0.79	24		1.00	7.16		0.73
9		0.96	7.30		0.68	25		0.99	7.20		0.70
10		0.90	7.20		0.63	26		0.98	7.20		0.95
11		0.96	7.41		0.84	27		1.31	7.00		0.52
12		0.88	7.30		0.60	28		0.90	7.10		0.84
13		0.93	7.20		0.91	29		0.81	7.10		0.76
14		0.99	7.20		0.83	30		0.69	7.10		0.61
15		1.03	7.10		0.64	31		0.92	7.23		0.62
16		0.97	7.14		0.53						

4. Summary Information (Check all summary types that are applicable regardless of Status):

Summary Type		Treatment Summary Name	Monitoring Requirements			Highest Daily Reading	Monthly Average	Lowest Daily Reading	Level Compliance (Y/N) 4
			Number of Days		Compliance (Y/N) 3				
			Required 2	Completed					
<input checked="" type="checkbox"/>	CHLR	Monthly Chlorine Log	31	31	Y	1.31	0.92	0.69	Y
<input checked="" type="checkbox"/>	PHRD	Monthly pH Log	31	31	Y	7.41	7.20	7.00	Y
<input type="checkbox"/>	PHOS	Monthly Phosphate Log							
<input checked="" type="checkbox"/>	FLRD	Monthly Fluoride Log	31	31	Y	0.95	0.70	0.44	Y

- 1 Status indicates a Water System Facility was offline on any particular day of the month. Fill with "offline" when applicable.
- 2 The Number of Samples Required is contingent on the number of days the Water System Facility or treatment process was online. If the facility or treatment process was not online but monitoring is normally required Number of Days Required = "0" and the Summary Type must be checked.
- 3 The M&R (Monitoring & Reporting) Complied field is an indicator ensuring Number of Samples Taken > Number of Samples Required.
- 4 The Level Complied field is an indicator ensuring that the Highest and Lowest Readings are within required ranges for treatment effluents. Operating Limits are provided in the current Schedule of Water Quality Monitoring Requirements.

EAST LYME WATER DEPARTMENT
Well Production Report May 2022

Withdrawals	Well 1A		Well 2A		Well 3A		Well 3B		Well 4A		Well 5		Well 6		Wells 3A/3B	Wells 2A/3A/3B	Daily Total (Wells)	Water From NL	Water To NL	Daily Total (Wells & NL)(3)	Precip inches
	(MGD)	(WL-ft)	(MGD)	(WL-ft)	(MGD)	(WL-ft)	(MGD)	(WL-ft)	(MGD)	(WL-ft)	(MGD)	(WL-ft)	(MGD)	(WL-ft)	(MGD)	(MGD)	(MGD)	(MGD)	(MGD)	(MGD)	
Max. Reg./Perm.(1,2)	1.160		0.864		0.560		0.993		0.547		0.780		0.440		0.993	1.857	4.784	1.000	1.000	5.784	
24-hr Pumping	1.160		0.648		0.446		0.993		0.324		0.619		0.440		1.439	2.087	4.630	0.500	NA	5.130	
18-hr Pumping	0.870		0.486		0.335		0.745		0.243		0.464		0.330		1.080	1.566	3.473	0.500	NA	3.973	
SFR 24-hr Pumping(2)	1.160		0.648		0.446		0.993		0.324		0.000		0.000		0.993	1.641	3.125	0.500	NA	3.625	
SFR 18-hr Pumping	0.870		0.486		0.335		0.745		0.243		0.000		0.000		0.745	1.231	2.344	0.500	NA	2.844	
Monthly Average	0.638		0.239		0.301		0.479		0.146				0.293		0.301	0.541	1.618	0.000	0.006	2.097	
Date	*Alert" Trigger	12.0		4.0		15.0		20.0		6.0		18.0		22.0							
5/1/2022	0.779	13.2	0.161	21.0	0.256	16.0	0.461	23.8	0.177	5.30			0.359	35.6	0.256	0.417	1.732	0.000	0.012	2.193	0.00
5/2/2022	0.473	12.9	0.261	19.0	0.278	15.0	0.490	23.9	0.125	5.40			0.218	35.4	0.278	0.539	1.355	0.000	0.000	1.845	0.00
5/3/2022	0.755	12.9	0.177	20.0	0.261	14.0	0.461	24.0	0.162	5.40			0.349	35.7	0.261	0.438	1.705	0.000	0.000	2.165	0.28
5/4/2022	0.578	13.2	0.279	22.0	0.254	14.0	0.432	24.1	0.140	5.30			0.266	35.5	0.254	0.533	1.516	0.000	0.000	1.948	0.05
5/5/2022	0.476	18.4	0.221	35.0	0.239	14.0	0.403	23.9	0.114	9.90			0.202	40.2	0.239	0.460	1.252	0.000	0.000	1.656	0.12
5/6/2022	0.467	13.1	0.198	20.0	0.270	15.0	0.461	24.1	0.141	5.40			0.215	35.4	0.270	0.468	1.291	0.000	0.023	1.752	0.00
5/7/2022	0.634	13.1	0.226	20.0	0.252	14.0	0.346	23.9	0.131	5.40			0.292	36.3	0.252	0.478	1.535	0.000	0.000	1.881	0.63
5/8/2022	0.537	13.3	0.261	20.0	0.226	14.0	0.461	24.5	0.121	5.30			0.247	35.5	0.226	0.487	1.391	0.000	0.000	1.852	0.33
5/9/2022	0.596	13.3	0.253	21.0	0.257	14.0	0.403	23.9	0.124	5.50			0.275	35.4	0.257	0.510	1.505	0.000	0.000	1.908	0.00
5/10/2022	0.656	13.3	0.255	20.0	0.295	14.0	0.518	24.2	0.177	5.50			0.302	35.4	0.295	0.550	1.685	0.000	0.000	2.203	0.00
5/11/2022	0.636	13.0	0.252	21.0	0.386	14.0	0.634	23.9	0.151	5.50			0.294	35.4	0.386	0.638	1.719	0.000	0.000	2.352	0.00
5/12/2022	0.517	18.3	0.210	21.0	0.227	14.0	0.374	23.7	0.103	5.40			0.240	39.6	0.227	0.437	1.296	0.000	0.000	1.670	0.00
5/13/2022	0.591	13.0	0.239	21.0	0.257	14.0	0.403	23.7	0.149	5.50			0.270	35.4	0.257	0.496	1.506	0.000	0.147	1.909	0.00
5/14/2022	0.620	18.6	0.256	20.0	0.307	13.0	0.518	24.2	0.144	5.40			0.286	41.0	0.307	0.563	1.612	0.000	0.000	2.130	0.00
5/15/2022	0.690	13.0	0.309	20.0	0.282	13.0	0.432	23.6	0.156	5.40			0.318	35.4	0.282	0.591	1.755	0.000	0.000	2.187	0.03
5/16/2022	0.629	12.9	0.253	20.0	0.299	13.0	0.490	23.7	0.124	5.50			0.290	35.3	0.299	0.552	1.595	0.000	0.000	2.085	0.00
5/17/2022	0.760	12.9	0.271	20.0	0.305	13.0	0.490	23.6	0.186	5.40			0.351	35.2	0.305	0.576	1.873	0.000	0.000	2.362	0.18
5/18/2022	0.593	12.9	0.271	20.0	0.306	13.0	0.461	23.6	0.114	5.40			0.273	35.3	0.306	0.577	1.557	0.000	0.000	2.018	0.00
5/19/2022	0.569	12.7	0.176	20.0	0.286	13.0	0.461	23.1	0.110	5.50			0.264	35.2	0.286	0.462	1.404	0.000	0.000	1.865	0.29
5/20/2022	0.564	18.2	0.208	20.0	0.273	41.0	0.403	34.9	0.127	10.20			0.260	40.6	0.273	0.481	1.433	0.000	0.000	1.836	0.17
5/21/2022	0.721	12.9	0.241	21.0	0.293	41.0	0.461	35.3	0.161	5.50			0.332	35.6	0.293	0.534	1.748	0.000	0.000	2.209	0.22
5/22/2022	0.686	18.3	0.310	21.0	0.397	13.0	0.605	23.7	0.156	5.40			0.316	40.7	0.397	0.707	1.864	0.000	0.000	2.469	0.00
5/23/2022	0.781	12.6	0.285	20.0	0.331	13.0	0.490	23.3	0.187	5.40			0.367	35.1	0.331	0.616	1.951	0.000	0.000	2.441	0.00
5/24/2022	0.638	12.6	0.053	20.0	0.369	13.0	0.547	23.5	0.141	5.40			0.288	40.1	0.369	0.422	1.489	0.000	0.000	2.036	0.00
5/25/2022	0.633	12.4	0.233	20.0	0.299	13.0	0.461	23.1	0.170	5.40			0.292	34.9	0.299	0.532	1.627	0.000	0.000	2.088	0.00
5/26/2022	0.690	17.9	0.255	20.0	0.347	13.0	0.490	23.7	0.147	5.30			0.318	40.5	0.347	0.602	1.757	0.000	0.000	2.247	0.00
5/27/2022	0.618	12.3	0.220	20.0	0.301	12.0	0.461	23.3	0.140	5.30			0.284	34.9	0.301	0.521	1.563	0.000	0.014	2.024	0.07
5/28/2022	0.634	17.9	0.267	20.0	0.328	13.0	0.518	35.0	0.147	5.20			0.293	40.3	0.328	0.595	1.669	0.000	0.000	2.188	0.15
5/29/2022	0.751	12.4	0.294	20.0	0.381	13.0	0.547	23.4	0.179	5.20			0.346	34.9	0.381	0.675	1.951	0.000	0.000	2.499	0.00
5/30/2022	0.746	12.4	0.256	19.0	0.408	13.0	0.634	23.2	0.167	5.20			0.344	34.7	0.408	0.664	1.920	0.000	0.000	2.554	0.00
5/31/2022	0.745	12.1	0.267	21.0	0.369	13.0	0.547	22.9	0.167	5.00			0.343	34.7	0.369	0.636	1.891	0.000	0.000	2.438	0.00
Average	0.638	14.1	0.239	20.7	0.301	15.3	0.479	24.8	0.146	5.67			0.293	36.6	0.301	0.541	1.618	0.000	0.006	2.097	0.09
Minimum	0.467	12.1	0.053	19.0	0.226	12.0	0.346	22.9	0.103	5.00			0.202	34.7	0.226	0.417	1.252	0.000	0.000	1.656	0.00
Maximum	0.781	18.6	0.310	35.0	0.408	41.0	0.634	35.3	0.187	10.20			0.367	41.0	0.408	0.707	1.951	0.000	0.147	2.554	0.63
Total	19.763		7.416		9.339		14.861		4.536				9.094		24.200	31.616	65.009	0.000	0.196	65.009	2.52
Notes: MGD = Million Gallons Per Day WL = Water (in feet) above the airline or pressure transducer (set approximately 4 ft above the pump suction for each well; 17 ft above suction for Well 4A). SFR = stream flow restrictions (Wells 5 and 6 not operating). NR = No Reading Available (1) A condition of the Well 3A diversion permit limits the combined maximum withdrawal from Wells 2A, 3A, and 3B to 1.857 mgd. (2) Another condition of the Well 3A permit restricts the combined maximum withdrawal from Wells 3A and 3B to 0.864 mgd during "low" stream flow. If Well 3A is not pumped, Well 3B alone can be pumped at 0.993 mgd during "low" stream flow. (3) Totals represent well production plus water from New London. Does not include water to New London.	% Recvd. of Total Monthly Demand			0.00			Total Monthly Demand														
													% of Total Sent to NL (Wells)			0.30			65.009		
													Running Total (water received 2022)			0.000					
													Goal			14.850					
													% of Goal			0.00					
													Running Total (water sent to NL2022)			17.461					
													Goal			17.471					
													% of Goal			99.94					

June 2022

East Lyme Sewer Maintenance Report for May 2022

1. Sewer tie-ins, inspections and CBYDs at various locations
2. Daily chemical machine checks and maintenance
3. Monthly alarm tests and meter readings
4. Daily station maintenance checks
5. General Sewer Pump Station Maintenance
6. Install conduit for Pumpstation controls
7. General equipment maintenance
8. Monitor Odor Control System 31 Arbor Xing for H2s
9. Monitor Oder Control System. 170 Giants Neck Rd for H2S
10. Monitor H2S (Point O Woods)
11. Replace VFD on Pump # 1. (Bride Brook Station)
12. Power Wash Ridgewood's fence.
13. Wet Well Cleaning McCook's, Point Rd, Woodbridge .

EAST LYME WATER & SEWER COMMISSION
JUN 28 2022
AGENDA # 146

Sewer Department Monthly Report

June 28 2022

May-22 Monthly Running Avg: 953,696 GPD
Daily Avg: 922,857 GPD
Daily Max: 990,538 GPD
Daily Min: 884,640 GPD

Daily Average as a Percent of Monthly Running Average: 96.77%
Daily Average as a Percent of 1.5 MGD Allotment at NLWWTP: 61.52%

State CT Flows:

	DOC	Camp Nett	Rocky Neck	POW	Pine Grove	Total
Actual GPD AVG.	98,847	4,473	0	9,137	40,000	152,457
Design GPD AVG.	250,000	58,400	24,600	105,000	40,000	478,000
% of Design GPD	39.5%	7.66%	0	8.70%	100.00%	31.89%
% of East Lyme Average Daily Flow	10.71%	0.48%	0.00%	0.99%	4.33%	16.52%
% of East Lyme 1.5 MGD Allotment	6.59%	0.30%	0.00%	0.61%	2.67%	10.16%

Footnotes:

Camp Nett Meter has malfunctioned and will be estimated using last year flows until it is repaired

EAST LYME SEWER FLOWS - HISTORY

	2014	2015	2016	2017	2018	2019	2020	2021	2022	% +/- Prev. Yr.	Precip. 2022 (in.)
JAN.	1,011,343	787,646	747,284	784,837	781,519	1,090,311	849,497	938,302	942,646	0.46%	2.80
FEB.	994,771	832,681	809,701	765,648	865,263	842,611	859,175	911,422	988,646	8.47%	4.99
MAR.	1,026,812	1,017,280	790,851	777,452	927,771	893,805	832,803	886,441	948,873	7.04%	2.88
APR.	1,126,058	938,861	796,611	897,161	778,780	918,456	885,983	962,591	965,456	0.30%	3.75
MAY	1,145,107	913,816	777,446	872,268	746,049	947,042	900,485	951,501	922,857	-3.01%	2.52
JUN.	1,007,792	880,190	815,281	849,504	906,535	875,000	882,463	976,981			
JUL.	1,038,583	1,048,427	879,952	883,851	1,026,307	977,552	853,930	1,047,771			
AUG.	999,147	977,543	868,636	873,017	905,718	932,181	911,419	978,158			
SEPT.	837,706	878,563	762,544	769,493	875,918	833,237	823,590	1,051,008			
OCT.	852,281	861,521	738,247	752,273	903,915	806,576	812,506	917,384			
NOV.	787,769	803,842	709,481	732,848	871,111	815,129	786,482	937,414			
DEC.	835,260	788,121	728,649	728,437	894,050	927,335	896,694	895,121			
RUNNING AVERAGE	971,886	894,041	785,390	807,232	873,578	904,936	857,919	954,508	953,696	2.65%	3.39
										Precip. Total	16.94

EAST LYME SEWER FLOWS - HISTORY

									AVG. Prev.		% +/- AVG.	Precip.
	2014	2015	2016	2017	2018	2019	2020	2021	Years	2022	Prev. Years	2022 (in.)
JAN.	1,011,343	787,646	747,284	784,837	781,519	1,090,311	849,497	938,302	873,842	942,646	7.9%	2.80
FEB.	994,771	832,681	809,701	765,648	865,263	842,611	859,175	911,422	860,159	988,646	14.9%	4.99
MAR.	1,026,812	1,017,280	790,851	777,452	927,771	893,805	832,803	886,441	894,152	948,873	6.1%	2.88
APR.	1,126,058	938,861	796,611	897,161	778,780	918,456	885,983	962,591	913,063	965,456	5.7%	3.75
MAY	1,145,107	913,816	777,446	872,268	746,049	947,042	900,485	951,501	906,714	922,857	1.8%	2.52
JUN.	1,007,792	880,190	815,281	849,504	906,535	875,000	882,463	976,981	899,218			
JUL.	1,038,583	1,048,427	879,952	883,851	1,026,307	977,552	853,930	1,047,771	969,547			
AUG.	999,147	977,543	868,636	873,017	905,718	932,181	911,419	978,158	930,727			
SEPT.	837,706	878,563	762,544	769,493	875,918	833,237	823,590	1,051,008	854,007			
OCT.	852,281	861,521	738,247	752,273	903,915	806,576	812,506	917,384	830,588			
NOV.	787,769	803,842	709,481	732,848	871,111	815,129	786,482	937,414	805,510			
DEC.	835,260	788,121	728,649	728,437	894,050	927,335	896,694	895,121	836,708			
AVG.	971,886	894,041	785,390	807,232	873,578	904,936	857,919	954,508	881,186	953,696	7.3%	3.39
											Precip. Total	16.94

Monthly Average Day Wastewater Flows (MGD)

May-22

		East Lyme Allocation (1.5 mgd)			State Allocation (0.478 mgd)					State	State	East Lyme	East Lyme
Year	Month	Niantic PS			DOC	Camp Nett	Rocky Neck	POW	Pine Grove	Allocation	Allocation	Allocation	Allocation
		Daily Avg	Daily Max	Daily Min	0.250	0.058	0.025	0.105	0.040	Total Used	Remaining	Used	Remaining
2022	January	0.943	1.133	0.683	0.104	0.005	0.000	0.010	0.040	0.159	0.319	1.261	0.239
	February	0.989	1.112	0.829	0.145	0.017	0.000	0.011	0.040	0.213	0.265	1.254	0.246
	March	0.949	1.273	0.735	0.127	0.002	0.000	0.011	0.040	0.180	0.298	1.247	0.253
	April	0.965	1.120	0.873	0.139	0.010	0.000	0.014	0.040	0.203	0.275	1.240	0.260
	May	0.923	0.991	0.885	0.099	0.005	0.000	0.009	0.040	0.153	0.326	1.249	0.252
	June												
	July												
	August												
	September												
	October												
	November												
	December												
Annual Avg. (Jan - Dec)		0.954	1.126	0.801	0.123	0.008	0.000	0.011	0.040	0.181	0.297	1.250	0.250
Annual Average (11 years, 4 Months)												1.151	0.349