

**EAST LYME WATER AND SEWER COMMISSION**  
**AGENDA**  
**\*AMENDED\***  
**May 24, 2022**  
**6:30 PM**

**Public Hearing for Proposed 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**

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

**Regular Meeting  
Immediately Following the Public Hearing for Supplemental Sewer Assessments**

- 1. Call to Order / Pledge of Allegiance**
- 2. Approval of Minutes**
  - a. Regular Meeting Minutes – April 26, 2022**
- 3. Delegations**
- 4. Consider Adoption of Proposed Supplemental Sewer Assessments**
- 5. Resolution Concerning 231 Boston Post Rd**
- 6. Billing Adjustments/Disputes**
- 7. Approval of Bills – None**
- 8. Finance Director Report**
- 9. Project Updates**
  - a. Meter Replacement Project – Discussion**
  - b. Update on Well 5 Rehabilitation Project**
- 10. Sewer Service Truck – Discussion and Possible Action**
- 11. VFD Replacement at Bride Brook Sewer Pump Station – Discussion and Possible Action**
- 12. Sewer Wetwell Aeration System Pilot Study – Discussion and Possible Action**
- 13. Well 6 Permit Renewal – Discussion and Possible Action**

FILED

May 19, 2022 AT 1:30 AM/PM  
*Brooke Hansen* AK  
EAST LYME TOWN CLERK

**14. Correspondence Log**

**15. Chairman's Report**

**16. Staff Updates**

- a. **Water Department Monthly Report**
- b. **Sewer Department Monthly Report**

**17. Future Agenda Items**

**18. Adjournment**

# 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

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                         | 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 | 123 | \$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 | 138 | \$12,066.00 |
| Orchards of East Lyme         | 009011 | 20     | Arbor Crossing | 29.1 | 137 | \$12,066.00 |
| Orchards of East Lyme         | 009009 | 26     | Arbor Crossing | 29.1 | 135 | \$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 |
| Hayn Kevin                    | 008936 | 35     | Arbor Crossing | 29.1 | 42  | \$12,066.00 |
| Hu Shihai & Youfen Xu         | 009031 | 2      | Pumpkin Grove  | 29.1 | 157 | \$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 | 009003 | 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 OF PUBLIC HEARING  
TOWN OF EAST LYME  
WATER & SEWER COMMISSION  
SUPPLEMENTAL SEWER ASSESSMENT  
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EAST LYME WATER & SEWER COMMISSION  
BY:   
KEVIN SEERY, ITS CHAIRMAN

**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 Partridge Court 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

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 1<sup>st</sup>** 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.

**EAST LYME WATER & SEWER COMMISSION  
REGULAR MEETING  
TUESDAY, APRIL 26th, 2022  
MINUTES**

The East Lyme Water & Sewer Commission held a Regular Meeting on Tuesday, April 26th, 2022. Chairman Seery called the Regular Meeting to order at 7:00 PM.

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

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

**ABSENT:** Joe Mingo

EAST LYME  
WATER & SEWER COMMISSION

MAY 24 2022

AGENDA #

*2a*

**1. Call to Order / Pledge of Allegiance**

Chairman Seery called the Regular Meeting of the East Lyme Water & Sewer Commission to order at 7:00 PM and led the assembly in the Pledge of Allegiance.

**2. Approval of Minutes**

▪ **Regular Meeting Minutes – March 22, 2022**

Mr. Seery called for a motion or any discussion on the Regular Meeting Minutes of March 22, 2022.

Mr. Zoller noted that he was listed as in attendance and as absent and that he was present.

Mr. Murphy noted that the minutes approval was listed as March instead of February.

**\*\*MOTION (1)**

Mr. DiGiovanna moved to approve the Regular Meeting Minutes of March 22, 2022 as amended.

Mr. Murphy seconded the motion.

Vote: 8 – 0 – 0. Motion passed.

▪ **Special Meeting Minutes – April 12, 2022**

Mr. Seery called for a motion or any discussion on the Special Meeting Minutes of April 12, 2022.

**\*\*MOTION (2)**

Mr. DiGiovanna moved to approve the Regular Meeting Minutes of April 12, 2022 as presented.

Mr. Zoller seconded the motion.

Vote: 4 – 0 – 4. Motion passed.

Abstained: Mr. Bond, Mr. Jacques, Mr. Seery, Mr. Spencer

**3. Delegations**

Seery called for delegations.

There were none.

FILED

**4. Billing Adjustments/Disputes**

▪ **155 Main Street**

This item is on hold.

▪ **9 Billow Road**

*May 3, 2022 AT 10:04 AM/PM*

*Bruce Stinson* ATC  
EAST LYME TOWN CLERK

Joe Katzbeck, 9 Billow Rd. said that he worked with Ben on this and he was good to work with. He said that he pays for what he uses and that it was a brand new thing to him to have a sprinkler system installed to water his lawn. He said to Ben that he never expected to have to pay for water that went into the grass and not into the sewer.

Mr. North said that he had presented them with a couple of scenarios and noted that Mr. Katzbeck had paid \$600 on the original bill pending the adjustment.

**\*\*MOTION (3)**

**Mr. DiGiovanna moved to approve the '1 in 10' adjustment for 9 Billow Rd. of \$1,552.88 for water and \$213.76 for sewer for a total of \$1766.64.**

**Mr. Spencer seconded the motion.**

Mr. DiGiovanna asked if it would be worth having two meters so that one would be for irrigation.

Mr. North explained that there are a number of factors that would have to be considered and looked into.

Mr. Bragaw noted that the meters also cost money and that there are ramifications there also and other things to be considered.

Mr. Spencer noted that this is only going to give him the compensation for the one time.

Ms. Russell said that she thinks that they need to defer this for the interim and think of the larger picture first.

Mr. Katzbeck asked about the '1 in 10' and did not see how it could be only 1 in 10 years.

Mr. Jacques said that the '1 in 10' was not designed for this.

**Vote: 6 - 2 - 0. Motion passed.**

**Against: Mr. Jacques, Ms. Russell**

**5. Approval of Bills**

There were none.

**6. Finance Director Report**

Ms. Johnson reviewed her report noting that there was nothing out of the ordinary.

There were no questions.

**7. Set Public Hearing Date for Sewer Benefit Assessments**

Mr. North noted that they had a number of assessments to bring to Public Hearing. He suggested that they hold the Public Hearing just prior to their May 24, 2022 meeting at 6:30 PM.

**\*\*MOTION (4)**

**Mr. DiGiovanna moved to schedule the Sewer Benefit Assessments Public Hearing for May 24, 2022 commencing at 6:30 PM.**

**Mr. Murphy seconded the motion.**

**Vote: 8 - 0 - 0. Motion passed.**

**8. Proposed Water Operating Budget for FY 2023**

Mr. Bragaw touched upon some of the highlights of the increased costs – bond principal spike – Well 1A/6 payments and summed that they are looking at a 4-5% increase.

**\*\*MOTION (5)**

**Mr. Murphy moved to accept the proposed Water budget for FY 2022-2023 as proposed.**

**Mr. DiGiovanna seconded the motion.**

**Vote: 8 - 0 - 0. Motion passed.**

**9. Proposed Sewer Operating Budget for FY 2023**

Mr. Bragaw noted that the treatment plant increased costs were a factor here and that Jeannie is retiring in June and they have those payouts. The budget was up 9.74% so there was talk of using

some dollars from the sewer assessment fund of \$125,000 for capital items which would help. The sewer assessment fund is healthy with approximately \$3.74M in it. They would be looking at a 3-4% increase. He noted that they are also looking at a service truck on the sewer side.

**\*\*MOTION (6)**

Mr. Murphy moved to accept the proposed Sewer budget for FY 2022-2023 as proposed.

Mr. DiGiovanna seconded the motion.

Mr. Jacques asked about the high sewer treatment fees and if this is about where they should be going forward.

Mr. Bragaw said that our flow percent is 13% and the New London plant costs \$5.3M right now.

Mr. Bond asked if there was legality on what the sewer assessment fund could be sued for.

Mr. Bragaw said that they always run it by Ms. Johnson first and that it can only be used for capital items.

**Vote: 8 – 0 – 0. Motion passed.**

**10. Project Updates**

▪ **Meter Replacement Project**

Mr. North reported that in March they changed out 354 meters.

Mr. Spencer asked about quarterly billing.

Mr. Bragaw said that they are looking to do quarterly billing when they get all of the new meters in.

▪ **Update on Well 5 Rehabilitation Project**

Mr. North reported that this is going well and that the new screed is due in tomorrow. Construction is being done on the new main. Everything is on track and there will be extensive testing. They are waiting on the well pump itself.

▪ **Update on American Rescue Plan Projects**

Mr. Seery said that all of their projects have been officially approved now.

Mr. Jacques asked if the bids have gone out for the tank coating noting that the numbers have been skyrocketing.

Mr. North said no, not yet.

▪ **Niantic Pump Station Vibration Analysis – Discussion and Possible Action**

Mr. North presented a slide presentation on the results of the vibration testing noting that the foundations that the pumps were set upon need to be redone. The vibration is nearly rocking them off the foundations. He said that they also need more to complete a second portion of the study on the vibration.

Mr. Zoller asked what more they think the study could find as it appears that they have a solution.

Mr. North said that it may come up with piping changes rather than just the concrete bases. He said that they would take one pump down at a time before they do the other three one at a time.

Mr. Spencer asked if there would be a study to see if the bases work prior to doing the other three.

Mr. North said yes.

Mr. DiGiovanna asked if MSI would design this for them.

Mr. North said yes.

**\*\*MOTION (7)**

Mr. Murphy moved to appropriate and transfer an additional \$3,290.00 in the sewer assessment fund from resources available to account #03-70-724-700-325 titled, 'Niantic Pump Station Vibration Analysis' for the additional Finite Element Analysis to be performed at the Niantic Station increasing the total amount approved from \$28,700 to \$31,990.

Mr. DiGiovanna seconded the motion.

**Vote: 8 – 0 – 0. Motion passed.**

## **11. Correspondence Log**

There was no discussion.

## **12. Chairman's Report**

Mr. Seery reported that the ARPA items were approved and that they had allotted some \$461,000 to small businesses in Town and \$340,000 for a new garbage truck among many other items. The Board of Finance held a Public Hearing on the budget and only nine (9) people from the public attended. They took \$800,000 from the undesignated fund balance for next year's budget. The recent Tax Sale netted \$1.3M.

Mr. Murphy asked about Old Lyme.

Mr. Seery said that he would try and get an update.

## **13. Staff Updates**

### **a. Water Department Monthly Report**

Mr. Zoller asked if they have any idea on what is driving the water demand.

Mr. North said no, adding that a lot of leaks were detected and fixed. They found 36 leaks this year. He added that it sometimes takes a month for that to be reflected.

Ms. Russell asked if the increase in water could also be attributed to the new meters.

### **b. Sewer Department Monthly Report**

There were no comments.

## **14. Future Agenda Items**

Mr. Bond said that he would like to see discussion on – Insurance for water and sewer lines coming into the properties on a future agenda. He suggested \$9/billing period would bring approximately \$250,000 more. With quarterly billing it would be \$36/year.

Ms. Russell noted the SCWA Minutes. She also suggested having a discussion on the irrigation issue. Mr. Bragaw said that they would not have anything on that for another six to eight (6-8) months.

## **15. ADJOURNMENT**

Mr. Seery called for a motion to adjourn.

### **\*\*MOTION (8)**

Mr. DiGiovanna moved to adjourn this Regular Meeting of the East Lyme Water & Sewer Commission at 8:21 PM.

Mr. Murphy seconded the motion.

Vote: 8 – 0 – 0. Motion passed.

Respectfully submitted,

Karen Zmitruk,  
Recording Secretary

# TOWN OF EAST LYME WATER DEPT

## PROPOSED FY 22-23 OPERATING BUDGET - EXPENDITURES

| Account Description      | Acct #        | Actual FY 19-20 | Actual FY 20-21 | Adptd Bdgt FY 21-22 | Proj EOY FY 21-22 | Prop Bdgt FY 22-23 | Diff from FY 21-22 |         | NOTES/COMMENTS              |
|--------------------------|---------------|-----------------|-----------------|---------------------|-------------------|--------------------|--------------------|---------|-----------------------------|
|                          |               |                 |                 |                     |                   |                    | Amount             | %       |                             |
| FICA/Medicare            | 114-100-121   | \$ 59,940       | \$ 65,400       | \$ 71,700           | \$ 75,844         | \$ 88,548          | \$ 16,848          | 23.50%  |                             |
| Bonds/Principal          | 300-200-201   | \$ 312,564      | \$ 258,749      | \$ 252,957          | \$ 252,957        | \$ 765,127         | \$ 512,170         | 202.47% | see debt schedule           |
| Meter Rep Project        | 300-200-202   | \$ 14,670       | \$ 11,648       | \$ 249,410          | \$ 237,988        | \$ 105,000         | \$ (144,410)       | -57.90% | payments \$95k, extra \$10k |
| State Assessment Fee     | 300-300-301   | \$ 11,198       | \$ 11,200       | \$ 11,424           | \$ -              | \$ -               | \$ (11,424)        |         |                             |
| New Services             | 300-340-345   | \$ 7,125        | \$ 3,999        | \$ 7,700            | \$ 11,200         | \$ 8,000           | \$ 300             | 3.90%   |                             |
| New Meters               | 300-340-346   | \$ 5,000        | \$ 3,103        | \$ 5,100            | \$ 5,680          | \$ 2,500           | \$ (2,600)         | -50.98% |                             |
| Tools & Equip            | 300-390-394   | \$ 9,951        | \$ 7,061        | \$ 8,200            | \$ 10,664         | \$ 9,000           | \$ 800             | 9.76%   |                             |
| Communications Equip     | 300-390-397   | \$ 5,141        | \$ 6,604        | \$ 4,700            | \$ 7,298          | \$ 8,500           | \$ 3,800           | 80.85%  |                             |
| Bonds Interest           | 300-400-427   | \$ 63,110       | \$ 212,852      | \$ 141,805          | \$ 141,805        | \$ 254,449         | \$ 112,644         | 79.44%  | see debt schedule           |
| Operating Transfers Out  | 300-500-520   | \$ 59,002       | \$ 60,477       | \$ 62,500           | \$ 62,500         | \$ 67,329          | \$ 4,829           | 7.73%   |                             |
| Payment to SAF           | 300-500-521   | \$ 40,000       | \$ 50,000       | \$ 35,000           | \$ 71,294         | \$ 35,000          | \$ -               | 0.00%   |                             |
| Meter Deposits Reimb.    | 300-600-610   | \$ 89,999       | \$ -            | \$ 152,000          | \$ 107,300        | \$ -               | \$ (152,000)       |         |                             |
| Maintenance of Wells     | 300-610-614   | \$ 59,828       | \$ 92,183       | \$ 61,800           | \$ 87,678         | \$ 84,300          | \$ 22,500          | 36.41%  | ded maint of tr equip       |
| Fuels                    | 300-620-622   | \$ 32,408       | \$ 28,027       | \$ 34,900           | \$ 34,900         | \$ 38,900          | \$ 4,000           | 11.46%  |                             |
| Power                    | 300-620-623   | \$ 282,198      | \$ 299,687      | \$ 290,700          | \$ 308,382        | \$ 310,000         | \$ 19,300          | 6.64%   |                             |
| Maint. Of BPS            | 300-630-631   | \$ 19,451       | \$ 17,038       | \$ 17,500           | \$ 17,500         | \$ 40,000          | \$ 22,500          | 128.57% | elim. MP equip              |
| Maint of Pumping Equip   | 300-630-633   | \$ 11,761       | \$ 4,926        | \$ 17,500           | \$ 29,165         | \$ -               | \$ (17,500)        |         |                             |
| Chemicals                | 300-640-641   | \$ 240,590      | \$ 229,198      | \$ 267,800          | \$ 301,319        | \$ 293,000         | \$ 25,200          | 9.41%   |                             |
| Maint. Of Tr. Equip      | 300-650-652   | \$ 17,000       | \$ 15,373       | \$ 17,500           | \$ 19,627         | \$ -               | \$ (17,500)        |         |                             |
| Misc Maps & Records      | 300-660-665   | \$ 672          | \$ 4,260        | \$ 2,900            | \$ 2,900          | \$ 2,900           | \$ -               | 0.00%   |                             |
| Safety Equip & Training  | 300-660-666   | \$ 11,625       | \$ 15,000       | \$ 15,000           | \$ 15,000         | \$ 17,500          | \$ 2,500           | 16.67%  |                             |
| Maint of O&M             | 300-670-671   | \$ 12,197       | \$ 10,051       | \$ 14,140           | \$ 15,804         | \$ 15,140          | \$ 1,000           | 7.07%   |                             |
| Maint of Storage Tank    | 300-670-672   | \$ 1,908        | \$ 5,000        | \$ 5,000            | \$ 90             | \$ -               | \$ (5,000)         |         | elim - inc Maint T&D        |
| Maint of Trans. & Dist   | 300-670-673   | \$ 31,356       | \$ 51,931       | \$ 40,000           | \$ 96,673         | \$ 58,000          | \$ 18,000          | 45.00%  |                             |
| Maint of Services        | 300-670-675   | \$ (1,783)      | \$ (5,658)      | \$ 3,000            | \$ 379            | \$ -               | \$ (3,000)         |         | elim - inc Maint T&D        |
| Maint of Meters          | 300-670-676   | \$ -            | \$ -            | \$ -                | \$ -              | \$ -               | \$ -               |         |                             |
| Maint of Hydrants        | 300-670-677   | \$ 1,334        | \$ 1,101        | \$ -                | \$ -              | \$ 2,000           | \$ 2,000           |         |                             |
| Customer Records & coll  | 300-900-903   | \$ 21,482       | \$ 27,341       | \$ 27,900           | \$ 27,900         | \$ 46,000          | \$ 18,100          | 64.87%  |                             |
| Admin Asst(s) Salary     | 300-920-201   | \$ 64,320       | \$ 66,628       | \$ 68,300           | \$ 68,180         | \$ 71,600          | \$ 3,300           | 4.83%   |                             |
| PW & Fin Dir, Util Eng   | 300-920-202   | \$ 266,769      | \$ 298,783      | \$ 232,300          | \$ 252,537        | \$ 231,800         | \$ (500)           | -0.22%  |                             |
| Field Per Salaries - Reg | 300-920-204   | \$ 423,805      | \$ 428,450      | \$ 559,500          | \$ 654,231        | \$ 597,500         | \$ 38,000          | 6.79%   |                             |
| Field Per Salaries - OT  | 300-920-205   | \$ 60,446       | \$ 73,300       | \$ 76,600           | \$ 76,600         | \$ 85,300          | \$ 8,700           | 11.36%  |                             |
| Temp Meter Installers    | new line item | \$ -            | \$ -            | \$ -                | \$ -              | \$ 170,560         | \$ 170,560         |         |                             |
| Office Supplies & Misc   | 300-920-210   | \$ 1,605        | \$ 1,859        | \$ 2,100            | \$ 2,100          | \$ 2,200           | \$ 100             | 4.76%   |                             |
| Interconnection          | 300-920-220   | \$ 113,569      | \$ 123,150      | \$ 100,000          | \$ 41,423         | \$ 77,900          | \$ (22,100)        | -22.10% |                             |
| Outside Services         | 300-920-230   | \$ 81,864       | \$ 77,853       | \$ 82,500           | \$ 87,810         | \$ 87,500          | \$ 5,000           | 6.06%   |                             |
| Insurance Property       | 300-920-240   | \$ 23,370       | \$ 23,878       | \$ 25,100           | \$ 27,200         | \$ 26,400          | \$ 1,300           | 5.18%   |                             |
| Empl Benefits & Pensions | 300-920-260   | \$ 264,811      | \$ 275,820      | \$ 328,100          | \$ 290,706        | \$ 318,100         | \$ (10,000)        | -3.05%  |                             |
| Vehicle Exp              | 300-930-321   | \$ 8,434        | \$ 9,590        | \$ 8,000            | \$ 12,500         | \$ 9,000           | \$ 1,000           | 12.50%  | cost of parts going up      |
| Veh Aqu. Program         | 300-930-323   | \$ 40,864       | \$ 30,267       | \$ 59,508           | \$ 53,234         | \$ 74,028          | \$ 14,520          | 24.40%  | replace 1 truck             |

seeing  
30-4090  
inc.

AGENDA #

APR 26 2022

# TOWN OF EAST LYME WATER DEPT

## PROPOSED FY 22-23 OPERATING BUDGET - EXPENDITURES (Cont.)

| Account Description             | Acct #      | Actual FY 19-20 | Actual FY 20-21 | Adptd Bdgt FY 21-22 | Proj EOY FY 21-22 | Prop Bdgt FY 22-23 | Diff from FY 21-22 |         | NOTES/COMMENTS |
|---------------------------------|-------------|-----------------|-----------------|---------------------|-------------------|--------------------|--------------------|---------|----------------|
|                                 |             |                 |                 |                     |                   |                    | Amount             | %       |                |
| Capitol Projects                | 300-930-325 | \$ -            | \$ 13,020       | \$ 180,000          | \$ 35,805         | \$ 10,000          | \$ (170,000)       | -94.44% |                |
| Contingency                     | 300-930-999 | \$ 92,677       | \$ 108,265      | \$ 100,000          | \$ 107,556        | \$ 100,000         | \$ -               | 0.00%   |                |
| <b>TOTAL</b>                    |             | \$ 2,862,261    | \$ 3,017,413    | \$ 3,640,144        | \$ 3,651,727      | \$ 4,113,081       | \$ 472,937         | 13.0%   |                |
| Budget expenditures             |             | \$ 3,351,439    | \$ 3,418,468    | carry over          | \$ (207,438)      |                    |                    |         |                |
| Diff from budgeted (under)/over |             | \$ (489,178)    | \$ (401,055)    | Mod Exp.            | \$ 3,444,289      |                    |                    |         |                |

## PROPOSED FY 22-23 OPERATING BUDGET - REVENUE

| Account Description             | Acct #     | Actual FY 19-20 | Actual FY 20-21 | Adptd Bdgt FY 21-22 | Proj EOY FY 21-22 | Prop Bdgt FY 22-23 | Diff from FY 20-21 |        | NOTES/COMMENTS |
|---------------------------------|------------|-----------------|-----------------|---------------------|-------------------|--------------------|--------------------|--------|----------------|
|                                 |            |                 |                 |                     |                   |                    | Amount             | %      |                |
| Metered Water Service           | 01-100-400 | \$ 3,020,899    | \$ 3,132,243    | \$ 3,181,179        | \$ 3,085,532      | \$ 3,255,042       | \$ 73,863          | 2.3%   |                |
| Inter govt rev                  | 01-100-402 | \$ (176)        | \$ 774          |                     |                   | \$ -               |                    |        |                |
| Deliq Int- Water Service        | 01-100-404 | \$ 10,240       | \$ 13,222       | \$ 13,000           | \$ 11,000         | \$ 15,000          | \$ 2,000           | 15.4%  |                |
| <b>Subtotal</b>                 |            | \$ 3,030,963    | \$ 3,146,240    | \$ 3,194,179        | \$ 3,096,532      | \$ 3,270,042       | \$ 75,863          | 2.4%   |                |
| Benefits Charge                 | 02-200-401 | \$ 22,700       | \$ 49,700       | \$ 28,900           | \$ 52,000         | \$ 50,000          | \$ 21,100          | 73.0%  |                |
| Assessments Charge              | 02-200-402 | \$ 6,086        | \$ 7,053        | \$ 8,000            | \$ 6,000          | \$ 8,000           | \$ -               | 0.0%   |                |
| Lien Fees - Ass/Conn            | 02-200-403 | \$ 24           | \$ 24           | \$ -                | \$ -              | \$ -               | \$ -               |        |                |
| Deliq Int - Asmts/Conn          | 02-200-404 | \$ 838          | \$ 1,337        | \$ 2,000            | \$ 1,500          | \$ 2,000           | \$ -               | 0.0%   |                |
| Connection Charges              | 02-200-405 | \$ 25,000       | \$ 20,000       | \$ 22,000           | \$ 32,000         | \$ 30,000          | \$ 8,000           | 36.4%  |                |
| State Assessment Fee            | 02-200-406 | \$ -            | \$ -            | \$ -                | \$ -              | \$ -               | \$ -               |        |                |
| Sewer portion of meters         | 02-200-407 | \$ 80,500       | \$ -            | \$ 80,500           | \$ 20,000         | \$ 80,500          | \$ -               | 0.0%   |                |
| <b>Subtotal</b>                 |            | \$ 135,148      | \$ 78,114       | \$ 141,400          | \$ 111,500        | \$ 170,500         | \$ 29,100          | 20.6%  |                |
| Private Hydrant Fees            | 05-100-462 | \$ 27,305       | \$ 30,375       | \$ 30,983           | \$ 37,750         | \$ 39,260          | \$ 8,277           | 26.7%  |                |
| Town Fire Hydrant Fees          | 05-100-463 | \$ 43,098       | \$ 47,408       | \$ 52,149           | \$ 52,149         | \$ 57,364          | \$ 5,215           | 10.0%  |                |
| Misc/Turn of-on fees            | 05-100-471 | \$ 24,235       | \$ 24,851       | \$ 25,000           | \$ 25,000         | \$ 30,000          | \$ 5,000           | 20.0%  |                |
| Inspection Fees                 | 05-100-472 | \$ -            | \$ -            | \$ -                | \$ -              | \$ -               | \$ -               |        |                |
| <b>Subtotal</b>                 |            | \$ 94,638       | \$ 102,634      | \$ 108,132          | \$ 114,899        | \$ 126,624         | \$ 18,492          | 17.1%  |                |
| Lease Rental                    | 08-800-472 | \$ 49,976       | \$ 68,162       | \$ 60,219           | \$ 60,219         | \$ 60,519          | \$ 300             | 0.5%   |                |
| Use of Ret. Earnings            | 08-900-002 | \$ -            |                 | \$ 136,214          | \$ -              | \$ 485,396         | \$ 349,182         | 256.3% |                |
| <b>Subtotal</b>                 |            | \$ 49,976       | \$ 68,162       | \$ 196,433          | \$ 60,219         | \$ 545,915         | \$ 349,482         | 177.9% |                |
| <b>TOTAL</b>                    |            | \$ 3,310,725    | \$ 3,395,149    | \$ 3,640,144        | \$ 3,383,150      | \$ 4,113,081       | \$ 472,937         | 13.0%  |                |
| Budgeted Revenue                |            | \$ 3,351,439    | \$ 3,418,468    |                     | \$ 3,640,144      |                    |                    |        |                |
| Diff - Bud./Actual (under)/over |            | \$ (40,714)     | \$ (23,319)     |                     | \$ (256,994)      |                    |                    |        |                |
| Actual Exp.                     |            | \$ 2,862,261    | \$ 3,017,413    |                     | \$ 3,651,727      | \$ 4,113,081       |                    |        |                |
| Diff - Revenue                  |            | \$ (448,464)    | \$ (377,736)    |                     | \$ 268,577        | \$ 0               |                    |        |                |
| Cumm - Retained Earnings        |            | \$ (448,464)    | \$ (826,200)    |                     | \$ (557,623)      | \$ (72,227)        |                    |        |                |

4.5%  
WAC

# WATER DEPARTMENT - Vehicle Acquisition Plan

Line Item # 07-01-300-930-323



| FINANCING  |             |                   |              | 100% water       | * split 50/50 w&s     | * split 50/50 w&s | * split 50/50 w & s        | 100% water                      | 100% water   | 100% water                                    | 100% water                | 100% water                |
|------------|-------------|-------------------|--------------|------------------|-----------------------|-------------------|----------------------------|---------------------------------|--|---|---------------------------|---------------------------|
|            |             | Mark - Ch 1120 Op | New Dump Bdy | Vinny Foreman Tr | valve etc / vacuum tr | Ford Escape       | Mini Exc - mid yr purchase | New Utility Bdy - Repl Van (34) | New Utility Bdy for CWO - hand down 38 to Asst CWO | New Utility Bdy for insp - hand down 47 to RC | New Utility Bdy - repl 41 | New Utility Bdy - repl 36 |
| Purch Yr   | 2015        |                   | 2018         | 2020             | 2020                  | 2028              | 2021                       | 2022                            | 2022   | 2023  | 2025                      | 2026                      |
| Plate #    | EL 38       |                   | EL 48        | EL 31            |                       |                   |                            | EL 34                           | EL 38  | EL 40   | EL 41                     | EL 41                     |
| Total Cost |             |                   |              | \$ 53,000        | \$ 63,400             | \$ 23,690         |                            | \$ 56,000                       | \$ 56,000  | \$ 65,000                                     | \$ 60,000                 | \$ 61,500                 |
| Payment    | \$ 1,908.66 |                   | \$ 629.99    | \$ 1,719 \$ 931  | \$ 573 \$ 215         | \$ 7,633.34       |                            | \$ 983.00                       | \$ 983.00  | \$ 1,216.00                                   | \$ 1,092                  | \$ 1,119                  |
| Int rate   |             |                   |              | 3.2%             | 3.2%                  | 3.2%              |                            | 2.8%                            | 2.8%   | 4.5%  | 3.5%                      | 3.5%                      |

## PAYMENTS

| FY    | Old Payments | Mark A's Truck | # of Pymts | Dump Body | # of Pymts | All three Truck | # of Pymts | valve etc | Util Eng & Asst | Mini Exc | Replace Van - 34 | # of Pymts | New truck | # of Pymts | Replace Rr 40 | # of Pymts | Replace Rr 40 | # of Pymts | Replace Rr 40 | # of Pymts | FY    | Budget Amount |
|-------|--------------|----------------|------------|-----------|------------|-----------------|------------|-----------|-----------------|----------|------------------|------------|-----------|------------|---------------|------------|---------------|------------|---------------|------------|-------|---------------|
| 16-17 | \$ 19,441    | \$ 12,104      | 12         |           |            |                 |            |           |                 |          |                  |            |           |            |               |            |               |            |               |            | 16-17 | \$ 11,943     |
| 17-18 | \$ 19,441    | \$ 12,104      | 12         |           |            |                 |            |           |                 |          |                  |            |           |            |               |            |               |            |               |            | 17-18 | \$ 11,943     |
| 18-19 | \$ 14,793    | \$ 12,104      | 12         | \$ 3,150  | 5          | \$ 18,904       | 11         |           |                 |          |                  |            |           |            |               |            |               |            |               |            | 18-19 | \$ 10,947     |
| 19-20 | \$ 2,296     | \$ 12,104      | 12         | \$ 7,560  | 12         | \$ 20,690       | 12         |           |                 | \$ 7,633 |                  |            |           |            |               |            |               |            |               |            | 19-20 | \$ 40,861     |
| 20-21 |              | \$ 3,017       | 4          | \$ 7,560  | 12         | \$ 20,722       | 12         |           |                 | \$ 7,633 | \$ 11,796        | 12         | \$ 11,796 | 12         |               |            |               |            |               |            | 20-21 | \$ 17,900     |
| 21-22 |              |                |            | \$ 7,560  | 12         | \$ 20,722       | 12         |           |                 | \$ 7,633 | \$ 11,796        | 12         | \$ 11,796 | 12         | \$ 14,320     | 12         |               |            |               |            | 21-22 | \$ 59,508     |
| 22-23 |              |                |            | \$ 7,560  | 12         | \$ 20,722       | 12         |           |                 | \$ 7,633 | \$ 11,796        | 12         | \$ 11,796 | 12         | \$ 14,320     | 12         |               |            |               |            | 22-23 | \$ 74,028     |
| 23-24 |              |                |            | \$ 4,410  | 7          | \$ 20,722       | 12         |           |                 | \$ 7,633 | \$ 11,796        | 12         | \$ 11,796 | 12         | \$ 14,320     | 12         | \$ 13,104     | 12         |               |            | 23-24 | \$ 70,878     |
| 24-25 |              |                |            | \$ -      |            | \$ 1,727        | 1          |           |                 |          | \$ 11,796        | 12         | \$ 11,796 | 12         | \$ 14,320     | 12         | \$ 13,104     | 12         | \$ 13,428     | 12         | 24-25 | \$ 60,576     |
| 25-26 |              |                |            | \$ -      |            |                 |            |           |                 |          | \$ 11,796        | 12         | \$ 11,796 | 12         | \$ 14,320     | 12         | \$ 13,104     | 12         | \$ 13,428     | 12         | 25-26 | \$ 64,644     |
| 26-27 |              |                |            | \$ -      |            |                 |            |           |                 |          |                  |            |           |            | \$ 14,320     | 12         | \$ 13,104     | 12         | \$ 13,428     | 12         | 26-27 | \$ 41,052     |
| 27-28 |              |                |            | \$ -      |            |                 |            |           |                 |          |                  |            |           |            |               |            | \$ 13,104     | 12         | \$ 13,428     | 12         | 27-28 | \$ 26,332     |
| 28-29 |              |                |            | \$ -      |            |                 |            |           |                 |          |                  |            |           |            |               |            | \$ 13,104     | 12         | \$ 13,428     | 12         | 28-29 | \$ 26,332     |
| 29-30 |              |                |            | \$ -      |            |                 |            |           |                 |          |                  |            |           |            |               |            | \$ 13,428     | 12         |               |            | 29-30 | \$ 13,428     |

## EXISTING WATER DEPT VEHICLES

| Plate #   | Year | Make          | Model      | Paid Off | # Veh | Repl Year | Purpose   |
|-----------|------|---------------|------------|----------|-------|-----------|---|
| EL31      | 2019 | Ford          | Util Bdy   | paid off | 1     | 2031      | Used by Water Foreman - Vinny McGinty   |
| EL32?     | 2022 | Ford          | Util Bdy   |          |       |           | Will be used by Chief Water Operator - Mark Allert, ordered in 7/21, should get in 8/22   |
| old EL34  | 2010 | Dodge         | Sprinter   | paid off | 2     | 2022      | Used primarily by Steve Hobday to work on wells and meter work orders - vehicle to be sold off when replaced                            |
| new EL 34 | 2022 | Ford          | Util Bdy   |          |       |           | Will be used by Steve Hobday, ordered in 7/21, should get in 8/22   |
| EL36      | 2014 | GMC           | Util Bdy   | paid off | 3     | 2026      | Used by Al Larson   |
| EL37      | 2003 | Chevy         | Silverado  | paid off | 4     |           | Currently used by Asst Chief Water Operator, Jeff Pascoe - was Mike Pogue's old truck - retire if not needed by meter replacement plans |
| EL38      | 2016 | GMC           | Util Bdy   | paid off | 5     | 2028      | Used primarily by the Chief Water Operator - Mark Allert - get new vehicle and hand down 38 to Asst CWO                                 |
| EL40      | 2016 | GMC           | Pickup     | paid off | 6     | 2023      | Used by Rob Cunningham - rob wilson's old tr - was spare  |
| EL41      | 2005 | Chevy         | Pickup     | paid off | 6     | 2025      | Used by Brian Chappell, was Pierre's old truck  |
| EL47      | 2015 | GMC           | Sierra PL  | paid off | 7     | 2027      | Used primarily by the Water Inspector - Pat Morris for work orders/inspections, get new engine in 2021                                  |
| EL48      | 2004 | International | Dump       | 1/24     | 8     | 2026      | Water main breaks-moving material - get new body in 2018, cab & chassis good  |
|           | 2019 | Valve Excav   | Trailer    | paid off |       | 2035      |   |
|           | 2020 | Mini Exc      |            | 6/24     |       | 2035      |   |
|           |      | Backhoe       |            |          |       |           |   |
|           | 2019 | Big Tex       | Lg Trailer | 1/24     |       | 2039      |   |
|           | 2016 |               | Trailer    |          |       |           | for Water Main breaks   |

# EAST LYME SEWER DEPT

## PROPOSED FY 21-22 OPERATING BUDGET - EXPENDITURES

| Account                             | Acct #      | Actual       | Actual                            | Cur. Bdgt    | Proj EOY     | Prop Budget  | Diff w/FY21-22 Bdgt |         |
|-------------------------------------|-------------|--------------|-----------------------------------|--------------|--------------|--------------|---------------------|---------|
| Description                         |             | FY 19-20     | FY 20-21                          | FY 21-22     | FY 21-22     | FY 22-23     | Amt                 | %       |
| FICA/Medicare                       | 114-100-121 | \$ 38,400    | \$ 40,184                         | \$ 42,000    | \$ 37,316    | \$ 42,500    | \$ 500              | 1.19%   |
| Vehicle - lease Payment             | 200-100-006 | \$ 28,688    | \$ 28,529                         | \$ 28,558    | \$ 28,558    | \$ 28,558    | \$ (0)              | 0.00%   |
| <b>Salaries - Field Personnel</b>   | 300-100-101 | \$ 265,328   | \$ 239,956                        | \$ 289,800   | \$ 276,404   | \$ 306,900   | \$ 17,100           | 5.90%   |
| Field OT                            | 300-100-102 | \$ 47,900    | \$ 56,245                         | \$ 56,000    | \$ 51,868    | \$ 58,300    | \$ 2,300            | 4.11%   |
| Personnel Benefits                  | 300-100-122 | \$ 90,600    | \$ 45,542                         | \$ 155,500   | \$ 139,366   | \$ 151,600   | \$ (3,900)          | -2.51%  |
| <b>Treatment Plnt &amp; Sys Fee</b> | 300-610-210 | \$ 601,913   | \$ 770,824                        | \$ 765,944   | \$ 862,633   | \$ 955,200   | \$ 189,256          | 24.71%  |
| <b>Maint. of Pump St Equip</b>      | 300-610-215 | \$ 74,659    | \$ 65,615                         | \$ 74,500    | \$ 85,074    | \$ 80,000    | \$ 5,500            | 7.38%   |
| Maint of Wet Wells                  | 300-610-217 | \$ 53,000    | \$ 31,571                         | \$ 50,000    | \$ 56,347    | \$ 55,000    | \$ 5,000            | 10.00%  |
| Maint of System                     | 300-610-220 | \$ 16,961    | \$ 32,049                         | \$ 10,000    | \$ 12,688    | \$ 11,000    | \$ 1,000            | 10.00%  |
| I/I Improvements                    | 300-610-221 | \$ -         | \$ -                              | \$ 1,000     | \$ 1,000     | \$ 1,000     | \$ -                | 0.00%   |
| Materials & Supplies                | 300-610-225 | \$ 9,766     | \$ 12,226                         | \$ 10,200    | \$ 12,200    | \$ 10,500    | \$ 300              | 2.94%   |
| <b>Utilities</b>                    | 300-610-230 | \$ 165,196   | \$ 157,605                        | \$ 160,650   | \$ 160,650   | \$ 162,000   | \$ 1,350            | 0.84%   |
| <b>Telephones</b>                   | 300-610-231 | \$ 5,317     | \$ 6,450                          | \$ 5,900     | \$ 5,963     | \$ 5,900     | \$ -                | 0.00%   |
| <b>Fuel Oil &amp; Gas</b>           | 300-610-235 | \$ 22,019    | \$ 19,379                         | \$ 21,800    | \$ 17,680    | \$ 28,800    | \$ 7,000            | 32.11%  |
| Chemicals                           | 300-610-240 | \$ 103,578   | \$ 123,429                        | \$ 118,450   | \$ 120,280   | \$ 124,400   | \$ 5,950            | 5.02%   |
| <b>O&amp;M Exp</b>                  | 300-610-250 | \$ 9,583     | \$ 10,593                         | \$ 14,140    | \$ 14,615    | \$ 15,140    | \$ 1,000            | 7.07%   |
| Maint of Vehicles                   | 300-610-260 | \$ 6,649     | \$ 8,899                          | \$ 7,000     | \$ 9,000     | \$ 8,500     | \$ 1,500            | 21.43%  |
| <b>Salaries - Admin</b>             | 400-100-101 | \$ 228,318   | \$ 240,083                        | \$ 202,400   | \$ 215,708   | \$ 189,600   | \$ (12,800)         | -6.32%  |
| Personnel Benefits                  | 400-100-121 | \$ 42,154    | \$ 82,465                         | \$ -         | \$ -         | \$ -         | \$ -                |         |
| <b>Legal &amp; Accounting</b>       | 400-200-140 | \$ 23,300    | \$ 24,480                         | \$ 27,300    | \$ 19,300    | \$ 20,300    | \$ (7,000)          | -25.64% |
| <b>Outside Services</b>             | 400-200-210 | \$ 9,656     | \$ 22,957                         | \$ 17,600    | \$ 17,974    | \$ 21,600    | \$ 4,000            | 22.73%  |
| Insurance PDL                       | 400-200-290 | \$ 33,171    | \$ 41,979                         | \$ 36,900    | \$ 36,900    | \$ 38,800    | \$ 1,900            | 5.15%   |
| Prof Development                    | 400-300-243 | \$ 264       | \$ 150                            | \$ 1,100     | \$ 1,100     | \$ 1,200     | \$ 100              | 9.09%   |
| Supplies & Misc                     | 400-300-320 | \$ 1,887     | \$ 1,797                          | \$ 2,100     | \$ 2,307     | \$ 2,200     | \$ 100              | 4.76%   |
| New Services/Projects               | 500-500-330 | \$ 80,500    | \$ -                              | \$ 80,500    | \$ 20,000    | \$ 80,500    | \$ -                | 0.00%   |
| Contingency                         | 600-600-400 | \$ 67,351    | \$ 95,341                         | \$ 50,000    | \$ 81,727    | \$ 50,000    | \$ -                | 0.00%   |
| Op Transfer Out                     | 800-800-801 | \$ -         | \$ 25,000                         | \$ 30,000    | \$ 30,000    | \$ 30,000    | \$ -                | 0.00%   |
| <b>TOTAL EXPENSES</b>               |             | \$ 2,026,158 | \$ 2,183,351                      | \$ 2,259,342 | \$ 2,316,658 | \$ 2,479,498 | \$ 220,156          | 9.74%   |
|                                     |             |              | Minus Carryover from FY 20-21     | \$ (58,302)  |              | \$ 30,900    |                     | 1.37%   |
|                                     |             |              | Proj Spending for FY 21-22 Budget | \$ 2,258,355 |              |              |                     |         |
|                                     |             |              | Over/(Under) Budget               | \$ (987)     |              |              |                     |         |

*90% re. is treatment plant -*

## PROPOSED FY 21-22 OPERATING BUDGET - REVENUES

| Account                   | Acct #     | Actual       | Actual       | Cur. Bdgt    | Proj EOY     | Prop Budget  | Diff       | Diff     |
|---------------------------|------------|--------------|--------------|--------------|--------------|--------------|------------|----------|
| Description               |            | FY 19-20     | FY 20-21     | FY 21-22     | FY 21-22     | FY 22-23     | FY 21-22   | FY 21-22 |
| Metered Sewer Service     | 01-100-600 | \$ 465,750   | \$ 364,570   | \$ 373,744   | \$ 435,556   | \$ 451,541   | \$ 77,797  | 20.82%   |
| Metered (Water) Sew. Serv | 01-100-610 | \$ 1,548,074 | \$ 1,689,398 | \$ 1,753,115 | \$ 1,727,175 | \$ 1,748,470 | \$ (4,645) | -0.26%   |
| Delinquent Int            | 01-100-621 | \$ 5,179     | \$ 7,053     | \$ 7,650     | \$ 4,500     | \$ 7,650     | \$ -       | 0.00%    |
| Inspection Fees (Billed)  | 05-100-043 | \$ 7,956     | \$ -         | \$ 2,600     | \$ -         | \$ -         | \$ (2,600) | -100.00% |
| Maintenance Fees *        | 05-100-044 | \$ 6,667     | \$ 5,645     | \$ 6,200     | \$ 6,200     | \$ 6,820     | \$ 620     | 10.00%   |
| Permits                   | 05-100-550 | \$ 4,215     | \$ 5,780     | \$ 6,800     | \$ 4,000     | \$ 6,800     | \$ -       | 0.00%    |
| Payment from SAF          |            | \$ -         | \$ -         | \$ -         | \$ -         | \$ 125,000   | \$ 125,000 |          |
| Operating Transfers In    | 08-800-810 | \$ 89,107    | \$ 81,328    | \$ 109,233   | \$ 109,233   | \$ 133,218   | \$ 23,985  | 21.96%   |
| <b>TOTAL REVENUE</b>      |            | \$ 2,126,948 | \$ 2,153,773 | \$ 2,259,342 | \$ 2,286,664 | \$ 2,479,498 | \$ 220,156 | 9.74%    |
| <b>TOTAL EXPENSES</b>     |            | \$ 2,026,158 | \$ 2,183,351 |              | \$ 2,258,355 | \$ 2,479,498 |            |          |
| <b>DIFFERENCE</b>         |            | \$ 100,790   | \$ (29,578)  |              | \$ 28,309    | \$ 0         |            |          |

EAST LYME  
WATER & SEWER COMMISSION

*Approved*  
*Attachment 4/26/22*

APR 26 2022

AGENDA # *4*

# EL SEWER DEPT - Vehicle Acquisition Program

Line Item # 06-01-200-100-007

|            |           | * split<br>50/50 w/s |           | * split<br>50/50 w/s |                     |                       |              |            |  |             |  |             |  |
|------------|-----------|----------------------|-----------|----------------------|---------------------|-----------------------|--------------|------------|--|-------------|--|-------------|--|
| Desc.      | Pat W     |                      | Rick      |                      | New Flatbed Tr - PJ | valve ex &<br>vac. tr | Ford Escape  | Mech       |  | Brian **    |  | Vince       |  |
| Purch Yr   | 2015      |                      | 2019      |                      | 2020                | 2020                  | 2020         | 2022       |  | 2024        |  | 2027        |  |
| Plate #    | EL 45     |                      | EL 43     |                      | EL 35               |                       | Util Eng Veh | EL 39      |  | EL 33       |  | EL 45       |  |
| Total Cost |           |                      |           |                      | \$ 41,000           | \$ 63,400             | \$ 23,700    | \$ 150,000 |  | \$ 60,000   |  | \$ 65,000   |  |
| Payment    | \$ 853.89 |                      | \$ 881.99 |                      | \$ 750.00 \$ 707    | \$ 571                | \$ 213       | \$ 2,500   |  | \$ 1,120.00 |  | \$ 1,230.00 |  |
|            |           |                      |           |                      | \$ 1,491 \$ 1,491   | \$ 1,141              | \$ 426       | *          |  |             |  |             |  |
| Int Rate   |           |                      |           |                      | 3.05% \$ 1,498      | 3.05%                 | 3.05%        | 0.00%      |  | 4.50%       |  | 5.00%       |  |

\*\* new truck goes  
to sewer foreman  
el45 goes to brian

## PAYMENTS

\* pay directly from sewer assessment fund

| FY        | Pat W |        | Rick      |           | New Flatbed Tr - PJ |           | valve ex &<br>vac. tr | Ford Escape | Mech |      | Brian **  |           | Vince     | FY    | Budgeted<br>Amount |
|-----------|-------|--------|-----------|-----------|---------------------|-----------|-----------------------|-------------|------|------|-----------|-----------|-----------|-------|--------------------|
| 15-16     | \$    | 10,247 | 12        |           |                     |           |                       |             |      |      |           |           |           | 15-16 | \$ 10,247          |
| 16-17     | \$    | 10,247 | 12        |           |                     |           |                       |             |      |      |           |           |           | 16-17 | \$ 10,247          |
| 17-18     | \$    | 10,247 | 12        |           |                     |           |                       |             |      |      |           |           |           | 17-18 | \$ 10,247          |
| 18-19     | \$    | 10,247 | 12        | \$ 9,702  | 11                  |           |                       |             |      |      |           |           |           | 18-19 | \$ 19,949          |
| 19-20     | \$    | 1,708  | 2         | \$ 10,584 | 12                  | \$ 16,397 | 11                    |             |      |      |           |           |           | 19-20 | \$ 28,688          |
| 20-21     |       |        |           | \$ 10,584 | 12                  | \$ 17,945 | 12                    |             |      |      |           |           |           | 20-21 | \$ 28,529          |
| 21-22     |       |        |           | \$ 10,584 | 12                  | \$ 17,974 | 12                    |             |      |      |           |           |           | 21-22 | \$ 28,558          |
| 22-23     |       |        |           | \$ 10,584 | 12                  | \$ 17,974 | 12                    |             |      | \$ - | 12        |           |           | 22-23 | \$ 28,558          |
| 23-24     |       |        |           | \$ 882    | 1                   | \$ 17,974 | 12                    |             |      | \$ - | 12        |           |           | 23-24 | \$ 18,856          |
| 24-25     |       |        |           |           |                     | \$ 1,498  | 1                     |             |      | \$ - | 12        | \$ 13,440 | 12        | 24-25 | \$ 14,938          |
| 25-26     |       |        |           |           |                     |           |                       |             |      | \$ - | 12        | \$ 13,440 | 12        | 25-26 | \$ 13,440          |
| 26-27     |       |        |           |           |                     |           |                       |             |      | \$ - | 12        | \$ 13,440 | 12        | 26-27 | \$ 13,440          |
| 27-28     |       |        |           |           |                     |           |                       |             |      |      |           | \$ 13,440 | 12        | 27-28 | \$ 28,200          |
| 28-29     |       |        |           |           |                     |           |                       |             |      |      |           | \$ 13,440 | 12        | 28-29 | \$ 28,200          |
| \$ 42,695 |       | 50     | \$ 52,919 | 60        | \$ 89,762           | 60        |                       |             | \$ - | 60   | \$ 67,200 | 60        | \$ 29,520 | 24    | \$ 282,096         |

## EXISTING SEWER DEPARTMENT VEHICLES

| Plate # | Year | Make  | Model    | Veh # | Paid Off | Repl Yr | Purpose  |
|---------|------|-------|----------|-------|----------|---------|--|
| EL33    | 2006 | Chevy | Util Bdy | 1     | paid off | 2024    | Primarily used by Brian Webster  |
| EL 35   | 2020 | Ford  | Util Bdy | 2     | 2025     | 2032    | Primarily used by PJ Levanti   |
| EL39    | 2006 | Chevy | Pickup   | 3     | paid off | 2022    | Primarily used by Tim K. - looking to replace with a service truck               |
| EL42    | 1994 | Int.  | Jetter   | 4     | paid off |         | Used sporadically to clean out sewer lines                                       |
| EL43    | 2019 | Ford  | F350 PU  | 5     | 2024     | 2031    | Used by Utility Superintendent - Rick Pape                                       |
| EL45    | 2015 | GMC   | Sierra   | 6     | paid off | 2027    | Primarily used by Vince Bartelli - assuming Vince moves into Pat's current truck |

## Jeanie Niskanen

---

**From:** Mark S. Zamarka <mszamarka@wallersmithpalmer.com>  
**Sent:** Monday, May 16, 2022 4:13 PM  
**To:** Ben North  
**Cc:** Jeanie Niskanen; eboconnell  
**Subject:** Williamsburg Manor  
**Attachments:** POST ROAD RESOLUTION Amendment 2022 (00649608xD3DC6).docm

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Ben –

Attached is our proposed resolution regarding the payment terms for the Williamsburg condo units.

Let me know if you have any questions.



WALLER  
SMITH &  
PALMER  
P.C.

**Mark S. Zamarka** | Attorney at Law  
[mszamarka@wallersmithpalmer.com](mailto:mszamarka@wallersmithpalmer.com)

**Waller, Smith & Palmer, P.C.**  
Office: **860-442-0367** | Fax: **860-447-9915**  
52 Eugene O'Neill Dr., New London, CT 06320  
<http://wallersmithpalmer.com>

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EAST LYME  
WATER & SEWER COMMISSION

MAY 24 2022

AGENDA #

5

**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

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.

# Town of

P.O. Drawer 519  
Water & Sewer Department



# East Lyme

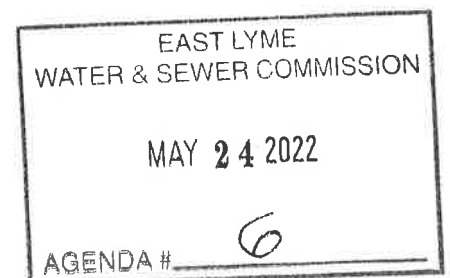
108 Pennsylvania Ave  
Niantic, Connecticut 06357  
Phone: 860-691-4104

The East Lyme Water Department is in the process of installing new meters and removing old metering technologies. During this process, we are sending out bills to our customers using a combination of the old and new meter readings, depending on when the new meter was installed.

We are finding different billing scenarios related to our older metering technology and estimated meter reads. Estimated meter reads and reads based on Outside Readers (pictured below) are now being resolved. This has resulted in unexpected high usage for some customers as they receive a "true-up" bill that reflects this discrepancy.



For these customers, the Water Department is willing to relook at these bills to alleviate the hardship that they may cause. We appreciate customers' patience in working with us as we bring our metering technology to the 21<sup>st</sup> century, which will ultimately improve our ability to assist our customers. Please email us at [watersewer@eltownhall.com](mailto:watersewer@eltownhall.com) or stop in Town Hall if you would like to discuss your bill in more detail.



# 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:** May 18, 2022

**Re:** Month End Reports – April 30, 2022

|                                       |
|---------------------------------------|
| EAST LYME<br>WATER & SEWER COMMISSION |
| MAY 24 2022                           |
| AGENDA # 8                            |

## Water

The available cash balance in Water Operations at month end April 30, 2022 was \$1,633,417 compared to \$1,564,570 in 2021. Of the cash on hand at month end \$189,640 is held for meter deposits compared to \$333,750 held for meter deposits.

During the month of April, we received \$27,726 in revenues for a total fiscal year to date of \$2,019,217 or 55.38% of the budgeted amount compared to \$36,952 and \$2,110,232 or 61.38% for fiscal year ended June 30, 2021. In April we billed \$17,329 for Prison use compared to \$23,425 in April 2021.

Total water operating expenditures for the month of April were \$159,045 of the amount budgeted compared to \$223,289 for fiscal year ended June 30, 2021. The percent of budget expended is 68% compared to 69% for 2021. During the month of April electricity expenditures were \$24,424 and \$13,233 from Contingency for various system wide expenditures.

## Sewer

The available cash balance in Sewer Operations at month end April 30, 2022 was \$711,374 compared to \$82,238 in April 2021. During the month of April, we received \$38,693 in revenues for a total fiscal year to date of \$1,352,100 or 59.79% of the budgeted amount compared to \$111,774 and \$1,382,020 or 63.77% for fiscal year ended June 30, 2021. In April we billed \$38,127 for Prison use compared to \$29,754 in April 2021.

Total sewer operating expenditures for the month of April were \$96,145 of the amount budgeted compared to \$102,845 for fiscal year ended June 30, 2021. The percent of budget expended is 66% compared to 85% for 2021. During the month of April we expended \$16,549 for Maintenance of Pump Station Equipment, \$14,451 for Utilities and \$17,203 for Chemicals.

## Sewer Assessment

The available cash balance in Sewer Assessment Fund at month end April 30, 2022 was \$3,647,295 compared to \$2,603,848 in April 2021. During the month we received \$61,626 in Assessments including principal, interest, late fees. There was an Operating Transfer out to the General Fund in the amount of \$154,419 for reimbursement for disbursements.

AMJ/nb

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

| <b>Description</b>          | <b>4/30/2022</b> | <b>4/30/2021</b> | <b>Increase<br/>(Decrease)</b> |
|-----------------------------|------------------|------------------|--------------------------------|
| <b>WATER</b>                |                  |                  |                                |
| Total Revenues (month only) | 27,726           | 36,952           | (9,226)                        |
| Prison Billing (month only) | 17,329           | 23,425           | (6,096)                        |
| Delinquent Interest YTD     | 9,553            | 11,858           | (2,305)                        |
| Benefit Charges YTD         | 49,350           | 43,750           | 5,600                          |
| Assessment Charges YTD      | 4,800            | 7,773            | (2,973)                        |
| Connection Charges YTD      | 34,450           | 17,000           | 17,450                         |
| Misc/Turn On-Off Fees YTD   | 12,106           | 12,819           | (713)                          |
| Lease Rental YTD            | 45,090           | 53,930           | (8,840)                        |
| Private Hydrant Fees YTD    | 37,750           | 30,375           | 7,375                          |
| <br>Total Expenditures YTD  | <br>2,322,003    | <br>2,197,753    | <br>124,250                    |
| <b>SEWER</b>                |                  |                  |                                |
| Total Revenues (month only) | 38,693           | 111,774          | (73,081)                       |
| Prison Billing (month only) | 38,127           | 29,754           | 8,373                          |
| <br>Total Expenditures      | <br>1,430,290    | <br>1,769,353    | <br>(339,063)                  |
| Treatment Plant/System      | 448,413          | 770,824          | (322,411)                      |
| Utilities                   | 130,689          | 120,959          | 9,730                          |
| Chemicals                   | 97,203           | 92,884           | 4,319                          |



**Maryland Biochemical**

[www.MarylandBiochemical.com](http://www.MarylandBiochemical.com)

800-771-7252

[info@marylandbiochemical.com](mailto:info@marylandbiochemical.com)

EAST LYME  
WATER & SEWER COMMISSION

MAY 24 2022

AGENDA # 12



# Removing Fats, Oils, & Grease

"Solving the World's Water Problems"

## Little John DIGESTER

The Little John Digester is a state-of-the-art pretreatment system for wet wells and lift stations that injects air through a specially designed air manifold system constructed of heavy-duty non-corrosive material. Atop of this specialized manifold are stationary ridges or blades. As the air travels up and through the digester cylinder, a void is created. With this Venturi effect, solids are pulled in through the bottom of the digester and across the stationary blades or ridges at the top of the unit. As the Venturi effect pulls solids up to 35 feet per second the solids are immediately broken down upon contact with the stationary ridges on top of the digester into micro-fine particulates. Once mechanically broken down the increase in dissolved oxygen combined with the micro particulates creates the perfect food source for advanced bacterial degradation. Ozone can also be injected in this cylinder, which further facili-

tates the digestion process of raw sewage before it enters the wastewater plant. The Little John Digester uses THREE means of digestion: Mechanical, Chemical and Biological. This 3 step treatment process is simultaneous and converts F.O.G into Carbon Dioxide and Water on contact.



## Testimonials

"The Little John Digester has proven to remove 99.95% of FOG deposits and H<sub>2</sub>S Found in grease traps and lift Stations."

## Chemical Digestion

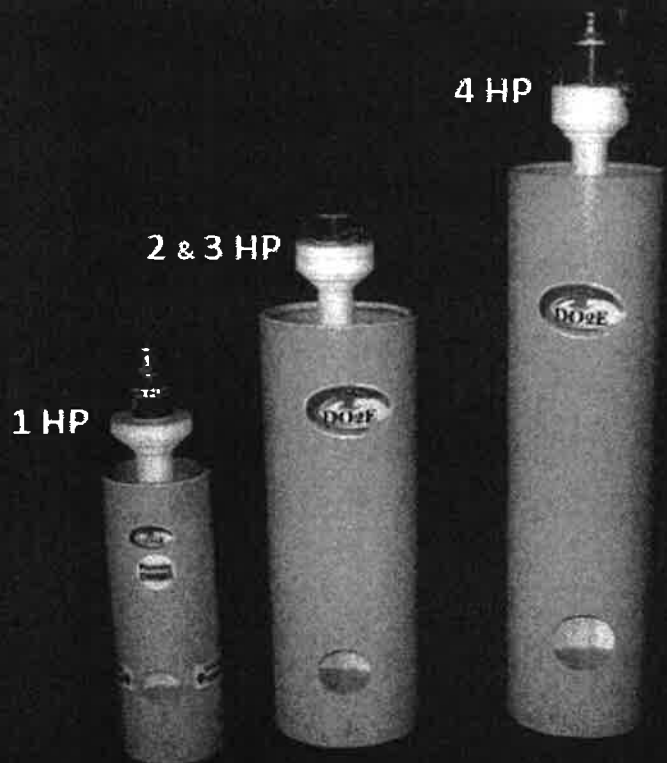
We recycle the existing cleaning chemicals found in grease traps and lift stations such as soaps, detergents, degreasers, stain removal solvents, drain cleaners, fabric softeners and all of the other house hold cleaners that are discarded down the drain every day. Once discarded, these unused household chemicals become stratified or separated in the water column within the lift station and have little to no effect in the digestion process. We have a unique way of blending all these existing chemicals / components together to further break down the F.O.G. deposits and other matting which commonly occurs in lift stations. This is one of the key components of our Green Technology, recycling discarded chemicals. It is estimated that the chemical digestion accounts for 20 to 25% of the digestion process that will be occurring in the lift station after the Little John Digester is installed.

## Mechanical Digestion

The mechanical process works by continuously moving and impacting the solids against the stationary ridges at speeds up to 35 feet per second, and accounts for approximately 70% of the digestion process.

## Biological Digestion

The biological digestion process is greatly enhanced by increasing the dissolved oxygen levels and creating a bio-soluble food source in which the bacteria can quickly and easily consume. Aerobic bacteria is highly stimulated and goes on a feeding frenzy reducing the BOD and COD levels by up to 70%. The biological enhancement accounts for up to 10 to 15% of the degradation process. This entire pretreatment process also reduces odor ( $H_2S$ ) by up to 80%.



"The Little John has paid for itself 20 times over."

-Pat Caffey, S. Walton

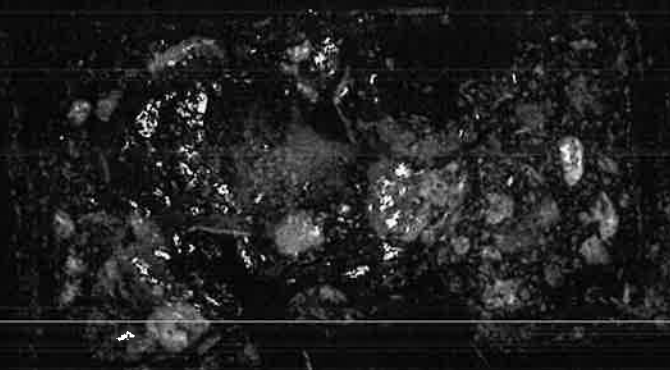
"We are exceptionally pleased with the equipment and its' performance."

Falcon Heights Water & Sewer

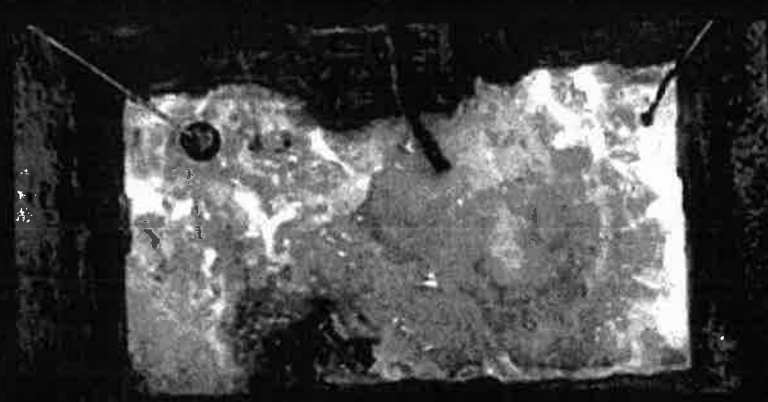
# Features

- Removes F.O.G. (Fats, Oils, & Grease)
- Converts F.O.G. to Carbon Dioxide & Water on contact
- F.O.G. Will NOT Reform
- No Moving Parts
- Pretreats Sewage by Up To 65%
- Removes Sludge Build UP
- Removes V.O.C.'s and Heavy Metals
- Eliminates Matting
- Reduces H<sub>2</sub>S Gas
- Reduces Pumping of Wet Wells
- Heavy Duty Non Corrosive Construction
- No Chemical Additives Necessary
- Extremely Low Noise Levels
- No Petroleum Lubricants
- Installs in 5 minutes
- No retrofitting required
- Virtually Maintenance Free
- Stops Corrosion

Before Installation



1 Hr AFTER the Little John Digester was Installed.



## Money Back Guarantee!



Maryland Biochemical

For more information and a quote contact us:

800.571.5050



**CORRESPONDENCE  
LOG -MAY 2022**

[illegible]

## AGENDA #

15

EAST LYME  
WATER & SEWER COMMISSION

MAY 24 2022

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

**1. General Statistics for**

**Apr-22**

| <b>TASKS PERFORMED<br/>by WATER<br/>DEPARTMENT</b>   | <b>February 2022</b>                | <b>TOTAL THIS<br/>YEAR</b> | <b>TOTAL LAST YEAR (July<br/>1st to June 30th)</b> |
|--|-------------------------------------|----------------------------|--|
| <b>Meters Installed (New<br/>Accounts)</b>           | <b>2</b>                            | <b>27</b>                  | <b>22</b>  |
| <b>New Meters In System</b>                          | <b>286</b>                          | <b>1,682</b>               | <b>New / Total</b>                                 |
|  |                                     |                            | <b>2664 / 6914 or 39%</b>                          |
| <b>New Service<br/>Connections Installed</b>         | <b>0</b>                            | <b>6</b>                   | <b>8</b>   |
| <b>Services and Mains<br/>Repaired<sup>(1)</sup></b> | <b>6 Service Leaks<br/>repaired</b> | <b>42</b>                  | <b>7</b>   |
| <b>Gallons Pumped (x1000)</b>                        | <b>60,222</b>                       | <b>595,789</b>             | <b>616,864</b>                                     |

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

**2. Monthly Average Day Demand (MADD)**

|   | <b>April</b> | <b>April 2021</b> | <b>% Difference LY</b> |
|---|--------------|-------------------|------------------------|
| <b>Water Produced (Million<br/>Gallons Daily)</b> | <b>2.011</b> | <b>1.652</b>      | <b>21.73%</b>          |

**MADD as a % of 3.16 MGD available water (24-hour pumping) = 63.63%**

**MADD as a % of 2.37 MGD available water (18-hour pumping) = 84.84%**

**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 3.75 inches for the month of April
2. Staff is continuing meter replacement work. 286 meters have been installed in the month of April.
3. 17.3 million gallons has been pumped to New London, essentially realizing the minimum quota to withdraw 14.850 million in the summer months.
4. Distribution system flushing is underway. 183 Hydrants have been flushed to date, approximately 25% of the system.
5. Even during heavy flushing, water demand has decreased by about 5 Million Gallons in April. We expect production to rise as summer approaches.

|   |
|---|
| <b>EAST LYME<br/>WATER &amp; SEWER COMMISSION</b> |
| <b>MAY 24 2022</b>                                |
| AGENDA # <u>16a</u>                               |

### 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   |          | 0.72                     | 7.38          |                  | 0.60            | 17  |          | 0.83                     | 7.43          |                  | 0.73            |
| 2   |          | 0.67                     | 7.32          |                  | 0.78            | 18  |          | 0.51                     | 7.33          |                  | 0.52            |
| 3   |          | 0.74                     | 7.49          |                  | 0.58            | 19  |          | 0.90                     | 7.27          |                  | 0.64            |
| 4   |          | 0.78                     | 7.60          | 1.08             | 0.76            | 20  |          | 1.06                     | 7.35          |                  | 0.65            |
| 5   |          | 0.77                     | 7.54          |                  | 0.69            | 21  |          | 0.63                     | 7.32          |                  | 0.64            |
| 6   |          | 0.72                     | 7.49          |                  | 0.61            | 22  |          | 0.62                     | 7.35          |                  | 0.77            |
| 7   |          | 0.71                     | 7.48          |                  | 0.59            | 23  |          | 0.54                     | 7.49          |                  | 0.73            |
| 8   |          | 0.79                     | 7.61          |                  | 0.65            | 24  |          | 0.75                     | 7.24          |                  | 0.70            |
| 9   |          | 0.77                     | 7.70          | 0.94             | 0.72            | 25  |          | 0.54                     | 7.54          |                  | 0.66            |
| 10  |          | 0.71                     | 7.50          | 1.14             | 0.73            | 26  |          | 0.56                     | 7.15          |                  | 0.61            |
| 11  |          | 0.83                     | 7.46          |                  | 0.71            | 27  |          | 0.68                     | 7.56          | 1.19             | 0.65            |
| 12  |          | 0.71                     | 7.30          |                  | 0.66            | 28  |          | 0.86                     | 7.56          |                  | 0.66            |
| 13  |          | 0.97                     | 7.38          | 1.16             | 0.61            | 29  |          | 0.76                     | 7.48          |                  | 0.72            |
| 14  |          | 1.02                     | 7.52          |                  | 1.38            | 30  |          | 0.63                     | 7.27          |                  | 0.65            |
| 15  |          | 1.01                     | 7.57          |                  | 0.61            |     |          |                          |               |                  |                 |
| 16  |          | 0.91                     | 7.53          |                  | 0.60            |     |          |                          |               |                  |                 |

**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   | 30                      | 30        | Y                  | 1.06                  | 0.76            | 0.51                 | Y                        |
| <input checked="" type="checkbox"/> | PHRD | Monthly pH Log         | 30                      | 30        | Y                  | 7.70                  | 7.44            | 7.15                 | Y                        |
| <input checked="" type="checkbox"/> | PHOS | Monthly Phosphate Log  | 2                       | 5         | Y                  | 1.19                  | 1.10            | 0.94                 | Y                        |
| <input checked="" type="checkbox"/> | FLRD | Monthly Fluoride Log   | 30                      | 30        | Y                  | 1.38                  | 0.69            | 0.52                 | 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   |          | 0.87                     | 7.18          |                  | 0.62            | 17  |          | 0.68                     | 7.41          |                  | 0.68            |
| 2   |          | 0.66                     | 7.18          |                  | 0.60            | 18  |          | 0.68                     | 7.23          |                  | 0.61            |
| 3   |          | 0.26                     | 7.22          |                  | 0.51            | 19  |          | 0.65                     | 7.18          |                  | 0.70            |
| 4   |          | 0.99                     | 7.40          |                  | 0.60            | 20  |          | 0.26                     | 7.29          |                  | 0.65            |
| 5   |          | 0.98                     | 7.16          |                  | 0.49            | 21  |          | 0.65                     | 7.30          |                  | 0.31            |
| 6   |          | 0.95                     | 7.23          |                  | 0.65            | 22  |          | 0.85                     | 7.21          |                  | 0.73            |
| 7   |          | 0.92                     | 7.18          |                  | 0.61            | 23  |          | 0.26                     | 7.38          |                  | 0.63            |
| 8   |          | 0.95                     | 7.27          |                  | 0.86            | 24  |          | 0.31                     | 7.26          |                  | 0.63            |
| 9   |          | 1.01                     | 7.40          |                  | 0.69            | 25  |          | 0.85                     | 7.10          |                  | 0.85            |
| 10  |          | 0.90                     | 7.10          |                  | 0.54            | 26  |          | 0.42                     | 7.10          |                  | 0.81            |
| 11  |          | 0.90                     | 7.09          |                  | 0.55            | 27  |          | 1.38                     | 7.07          |                  | 0.77            |
| 12  |          | 0.74                     | 7.22          |                  | 0.69            | 28  |          | 1.22                     | 7.26          |                  | 0.69            |
| 13  |          | 0.94                     | 7.21          |                  | 0.85            | 29  |          | 1.38                     | 7.31          |                  | 0.57            |
| 14  |          | 0.87                     | 7.31          |                  | 0.87            | 30  |          | 0.77                     | 7.10          |                  | 0.55            |
| 15  |          | 0.85                     | 7.23          |                  | 0.85            |     |          |                          |               |                  |                 |
| 16  |          | 0.37                     | 7.32          |                  | 0.37            |     |          |                          |               |                  |                 |

**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   | 30                      | 30        | Y                  | 1.38                  | 0.78            | 0.26                 | Y                        |
| <input checked="" type="checkbox"/> | PHRD | Monthly pH Log         | 30                      | 30        | Y                  | 7.41                  | 7.23            | 7.07                 | Y                        |
| <input type="checkbox"/>            | PHOS | Monthly Phosphate Log  |                         |           |                    |                       |                 |                      |                          |
| <input checked="" type="checkbox"/> | FLRD | Monthly Fluoride Log   | 30                      | 30        | Y                  | 0.87                  | 0.65            | 0.31                 | 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:    | CT0450011                          |  |
| PWS Name:  | East Lyme Water & Sewer Commission |  |
| City/Town: | East Lyme                          |  |

**2. Compliance Information:**

|                           |              |            |
|---------------------------|--------------|------------|
| Water System Facility ID: | 00705        |            |
| Month:                    | 04           | 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   |          | 0.33                     | 7.35          |                  | 0.75            | 17  |          | 0.78                     | 7.24          |                  | 0.68            |
| 2   |          | 0.67                     | 7.31          |                  | 0.73            | 18  |          | 0.81                     | 7.42          |                  | 0.62            |
| 3   |          | 0.91                     | 7.17          |                  | 0.69            | 19  |          | 1.22                     | 7.25          |                  | 0.58            |
| 4   |          | 0.95                     | 7.32          |                  | 0.81            | 20  |          | 0.77                     | 7.32          |                  | 0.58            |
| 5   |          | 0.91                     | 7.13          |                  | 0.65            | 21  |          | 0.78                     | 7.37          |                  | 0.67            |
| 6   |          | 0.70                     | 7.19          |                  | 0.63            | 22  |          | 0.75                     | 7.43          |                  | 0.65            |
| 7   |          | 0.77                     | 7.25          |                  | 0.61            | 23  |          | 1.18                     | 7.38          |                  | 0.58            |
| 8   |          | 0.89                     | 7.13          |                  | 0.70            | 24  |          | 1.06                     | 7.36          |                  | 0.81            |
| 9   |          | 0.66                     | 7.30          |                  | 1.01            | 25  |          | 1.02                     | 7.10          |                  | 0.68            |
| 10  |          | 0.52                     | 7.40          |                  | 0.90            | 26  |          | 0.83                     | 7.26          |                  | 0.49            |
| 11  |          | 1.28                     | 7.40          |                  | 0.90            | 27  |          | 0.77                     | 7.28          |                  | 0.44            |
| 12  |          | 1.16                     | 7.39          |                  | 0.71            | 28  |          | 0.68                     | 7.32          |                  | 0.94            |
| 13  |          | 0.67                     | 7.19          |                  | 0.65            | 29  |          | 0.55                     | 7.12          |                  | 0.87            |
| 14  |          | 0.84                     | 7.30          |                  | 0.83            | 30  |          | 0.59                     | 7.26          |                  | 0.84            |
| 15  |          | 0.71                     | 7.27          |                  | 0.73            |     |          |                          |               |                  |                 |
| 16  |          | 0.81                     | 7.31          |                  | 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   | 30                      | 30        | Y                  | 1.28                  | 0.82            | 0.33                 | Y                        |
| <input checked="" type="checkbox"/> | PHRD | Monthly pH Log         | 30                      | 30        | Y                  | 7.43                  | 7.28            | 7.10                 | Y                        |
| <input type="checkbox"/>            | PHOS | Monthly Phosphate Log  |                         |           |                    |                       |                 |                      |                          |
| <input checked="" type="checkbox"/> | FLRD | Monthly Fluoride Log   | 30                      | 30        | Y                  | 1.01                  | 0.71            | 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.

**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  |                          |               |                  |                 |     |          |                          |               |                  |                 |
| 16  | offline  |                          |               |                  |                 |     |          |                          |               |                  |                 |

**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   | 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   |          | 0.99                     | 7.20          |                  | 0.83            | 17  |          | 0.68                     | 7.41          |                  | 0.65            |
| 2   |          | 0.85                     | 7.12          |                  | 0.69            | 18  |          | 0.70                     | 7.37          |                  | 0.49            |
| 3   |          | 0.75                     | 7.13          |                  | 0.61            | 19  |          | 0.77                     | 7.48          |                  | 0.43            |
| 4   |          | 0.71                     | 7.43          |                  | 0.62            | 20  |          | 0.73                     | 7.54          |                  | 0.78            |
| 5   |          | 0.97                     | 7.40          |                  | 0.59            | 21  |          | 0.71                     | 7.41          |                  | 0.81            |
| 6   |          | 0.94                     | 7.36          |                  | 0.68            | 22  |          | 0.76                     | 7.46          |                  | 0.77            |
| 7   |          | 0.95                     | 7.26          |                  | 0.77            | 23  |          | 0.60                     | 7.41          |                  | 0.67            |
| 8   |          | 0.94                     | 7.39          |                  | 0.85            | 24  |          | 0.71                     | 7.30          |                  | 0.53            |
| 9   |          | 0.90                     | 7.60          |                  | 0.75            | 25  |          | 0.77                     | 7.54          |                  | 0.85            |
| 10  |          | 0.95                     | 7.30          |                  | 0.58            | 26  |          | 1.09                     | 7.49          |                  | 0.65            |
| 11  |          | 0.89                     | 7.26          |                  | 0.50            | 27  |          | 0.73                     | 7.36          |                  | 0.61            |
| 12  |          | 0.90                     | 7.39          |                  | 0.80            | 28  |          | 0.89                     | 7.36          |                  | 0.66            |
| 13  |          | 0.86                     | 7.22          |                  | 0.73            | 29  |          | 0.88                     | 7.16          |                  | 0.57            |
| 14  |          | 0.90                     | 7.40          |                  | 0.85            | 30  |          | 0.83                     | 7.18          |                  | 0.76            |
| 15  |          | 0.78                     | 7.36          |                  | 0.76            |     |          |                          |               |                  |                 |
| 16  |          | 0.83                     | 7.44          |                  | 0.67            |     |          |                          |               |                  |                 |

**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   | 30                      | 30        | Y                  | 1.09                  | 0.83            | 0.60                 | Y                        |
| <input checked="" type="checkbox"/> PHRD | Monthly pH Log         | 30                      | 30        | Y                  | 7.60                  | 7.36            | 7.12                 | Y                        |
| <input type="checkbox"/> PHOS            | Monthly Phosphate Log  |                         |           |                    |                       |                 |                      |                          |
| <input checked="" type="checkbox"/> FIRD | Monthly Fluoride Log   | 30                      | 30        | Y                  | 0.85                  | 0.68            | 0.43                 | 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 April 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) |        |
|----------------------|-----------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|---------|--------|---------|-------------|----------------|---------------------|---------------|-------------|-----------------------------|--------|
|                      | (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      | 0.580           |         | 0.235   |         | 0.222   |         | 0.568   |         | 0.136   |         |        |         | 0.267  |         | 0.790       | 1.025          | 2.007               | 0.000         | 0.055       | 2.007                       |        |
| Date                 | "Alert" Trigger | 12.0    |         | 4.0     |         | 15.0    |         | 20.0    |         | 6.0     |        | 18.0    |        | 22.0    |             |                |                     |               |             |                             | Precip |
|                      |                 |         |         |         |         |         |         |         |         |         |        |         |        |         |             |                |                     |               |             |                             | inches |
| 4/1/2022             | 0.630           | 12.9    | 0.272   | 21.0    | 0.175   | 20.0    | 0.478   | 24.4    | 0.133   | 5.60    |        |         | 0.287  | 35.7    | 0.653       | 0.925          | 1.975               | 0.000         | 0.132       | 1.975                       | 0.07   |
| 4/2/2022             | 0.426           | 12.9    | 0.242   | 21.0    | 0.200   | 20.0    | 0.528   | 25.0    | 0.098   | 5.50    |        |         | 0.197  | 35.6    | 0.728       | 0.970          | 1.691               | 0.000         | 0.000       | 1.691                       | 0.00   |
| 4/3/2022             | 0.592           | 13.3    | 0.200   | 21.0    | 0.213   | 20.0    | 0.538   | 24.6    | 0.144   | 5.50    |        |         | 0.272  | 36.6    | 0.751       | 0.952          | 1.960               | 0.000         | 0.000       | 1.960                       | 0.00   |
| 4/4/2022             | 0.476           | 13.0    | 0.258   | 21.0    | 0.199   | 19.5    | 0.564   | 24.2    | 0.094   | 5.50    |        |         | 0.219  | 35.7    | 0.763       | 1.021          | 1.810               | 0.000         | 0.144       | 1.810                       | 0.08   |
| 4/5/2022             | 0.708           | 13.2    | 0.202   | 21.0    | 0.170   | 20.0    | 0.456   | 24.2    | 0.147   | 5.40    |        |         | 0.326  | 35.8    | 0.626       | 0.828          | 2.010               | 0.000         | 0.141       | 2.010                       | 0.00   |
| 4/6/2022             | 0.556           | 12.9    | 0.236   | 20.0    | 0.205   | 19.5    | 0.565   | 24.4    | 0.089   | 5.50    |        |         | 0.257  | 35.6    | 0.770       | 1.005          | 1.907               | 0.000         | 0.144       | 1.907                       | 0.37   |
| 4/7/2022             | 0.487           | 13.0    | 0.249   | 20.0    | 0.210   | 19.5    | 0.559   | 24.3    | 0.158   | 5.50    |        |         | 0.224  | 35.4    | 0.769       | 1.018          | 1.887               | 0.000         | 0.136       | 1.887                       | 0.35   |
| 4/8/2022             | 0.516           | 13.0    | 0.246   | 20.0    | 0.201   | 19.5    | 0.540   | 24.5    | 0.154   | 5.50    |        |         | 0.238  | 35.8    | 0.741       | 0.987          | 1.895               | 0.000         | 0.147       | 1.895                       | 0.72   |
| 4/9/2022             | 0.518           | 13.4    | 0.208   | 21.0    | 0.169   | 19.0    | 0.433   | 24.5    | 0.070   | 5.50    |        |         | 0.238  | 35.9    | 0.602       | 0.810          | 1.635               | 0.000         | 0.000       | 1.635                       | 0.03   |
| 4/10/2022            | 0.566           | 13.5    | 0.267   | 21.0    | 0.235   | 42.0    | 0.633   | 36.1    | 0.123   | 5.50    |        |         | 0.261  | 36.1    | 0.868       | 1.136          | 2.085               | 0.000         | 0.000       | 2.085                       | 0.03   |
| 4/11/2022            | 0.697           | 13.5    | 0.237   | 21.0    | 0.199   | 19.0    | 0.521   | 24.3    | 0.162   | 5.40    |        |         | 0.321  | 35.9    | 0.720       | 0.957          | 2.138               | 0.000         | 0.149       | 2.138                       | 0.00   |
| 4/12/2022            | 0.564           | 13.2    | 0.299   | 20.0    | 0.267   | 19.0    | 0.687   | 24.4    | 0.115   | 5.50    |        |         | 0.260  | 35.7    | 0.954       | 1.252          | 2.191               | 0.000         | 0.143       | 2.191                       | 0.02   |
| 4/13/2022            | 0.660           | 13.2    | 0.260   | 19.0    | 0.224   | 19.0    | 0.574   | 23.9    | 0.171   | 5.30    |        |         | 0.305  | 35.6    | 0.798       | 1.058          | 2.194               | 0.000         | 0.140       | 2.194                       | 0.09   |
| 4/14/2022            | 0.501           | 13.1    | 0.214   | 20.0    | 0.227   | 19.0    | 0.576   | 24.6    | 0.127   | 5.50    |        |         | 0.230  | 35.6    | 0.803       | 1.016          | 1.874               | 0.000         | 0.000       | 1.874                       | 0.00   |
| 4/15/2022            | 0.635           | 13.2    | 0.223   | 20.0    | 0.168   | 19.0    | 0.420   | 24.2    | 0.127   | 5.40    |        |         | 0.293  | 35.7    | 0.588       | 0.811          | 1.865               | 0.000         | 0.000       | 1.865                       | 0.09   |
| 4/16/2022            | 0.399           | 13.2    | 0.215   | 20.0    | 0.230   | 20.0    | 0.577   | 25.0    | 0.104   | 5.50    |        |         | 0.183  | 35.7    | 0.807       | 1.021          | 1.707               | 0.000         | 0.000       | 1.707                       | 0.00   |
| 4/17/2022            | 0.527           | 13.1    | 0.235   | 20.0    | 0.180   | 20.0    | 0.452   | 24.3    | 0.110   | 5.50    |        |         | 0.243  | 35.5    | 0.632       | 0.868          | 1.747               | 0.000         | 0.000       | 1.747                       | 0.16   |
| 4/18/2022            | 0.732           | 13.4    | 0.229   | 13.0    | 0.253   | 20.0    | 0.643   | 25.0    | 0.135   | 5.30    |        |         | 0.338  | 35.9    | 0.896       | 1.125          | 2.330               | 0.000         | 0.025       | 2.330                       | 0.00   |
| 4/19/2022            | 0.435           | 13.4    | 0.239   | 21.0    | 0.224   | 20.0    | 0.537   | 24.7    | 0.139   | 10.10   |        |         | 0.200  | 35.7    | 0.761       | 1.000          | 1.773               | 0.000         | 0.000       | 1.773                       | 1.59   |
| 4/20/2022            | 0.568           | 19.4    | 0.253   | 21.0    | 0.228   | 19.0    | 0.548   | 24.4    | 0.152   | 5.50    |        |         | 0.262  | 41.2    | 0.776       | 1.029          | 2.011               | 0.000         | 0.000       | 2.011                       | 0.02   |
| 4/21/2022            | 0.695           | 13.7    | 0.285   | 17.0    | 0.288   | 20.0    | 0.937   | 24.9    | 0.151   | 5.30    |        |         | 0.320  | 35.8    | 1.225       | 1.510          | 2.676               | 0.000         | 0.000       | 2.676                       | 0.00   |
| 4/22/2022            | 0.570           | 13.5    | 0.209   | 15.0    | 0.224   | 14.0    | 0.544   | 22.4    | 0.110   | 5.40    |        |         | 0.263  | 35.6    | 0.768       | 0.977          | 1.920               | 0.000         | 0.022       | 1.920                       | 0.00   |
| 4/23/2022            | 0.652           | 13.6    | 0.200   | 21.0    | 0.216   | 42.0    | 0.531   | 35.7    | 0.161   | 5.50    |        |         | 0.301  | 35.9    | 0.747       | 0.946          | 2.060               | 0.000         | 0.000       | 2.060                       | 0.00   |
| 4/24/2022            | 0.619           | 13.5    | 0.179   | 21.0    | 0.253   | 17.0    | 0.668   | 24.4    | 0.155   | 5.50    |        |         | 0.285  | 35.6    | 0.921       | 1.100          | 2.159               | 0.000         | 0.297       | 2.159                       | 0.00   |
| 4/25/2022            | 0.644           | 13.4    | 0.328   | 22.0    | 0.292   | 15.0    | 0.675   | 24.0    | 0.149   | 5.30    |        |         | 0.297  | 35.6    | 0.967       | 1.295          | 2.385               | 0.000         | 0.000       | 2.385                       | 0.00   |
| 4/26/2022            | 0.663           | 13.3    | 0.247   | 21.0    | 0.272   | 16.0    | 0.625   | 24.0    | 0.137   | 5.40    |        |         | 0.306  | 35.7    | 0.897       | 1.144          | 2.250               | 0.000         | 0.000       | 2.250                       | 0.00   |
| 4/27/2022            | 0.574           | 13.3    | 0.173   | 21.0    | 0.152   | 42.0    | 0.373   | 35.0    | 0.227   | 5.50    |        |         | 0.264  | 35.5    | 0.525       | 0.698          | 1.763               | 0.000         | 0.000       | 1.763                       | 0.13   |
| 4/28/2022            | 0.659           | 13.3    | 0.266   | 21.0    | 0.277   | 17.0    | 0.650   | 24.7    | 0.142   | 5.30    |        |         | 0.304  | 35.6    | 0.927       | 1.193          | 2.298               | 0.000         | 0.000       | 2.298                       | 0.00   |
| 4/29/2022            | 0.538           | 13.3    | 0.170   | 21.0    | 0.240   | 15.0    | 0.541   | 23.6    | 0.154   | 9.90    |        |         | 0.248  | 35.6    | 0.781       | 0.951          | 1.890               | 0.000         | 0.038       | 1.890                       | 0.00   |
| 4/30/2022            | 0.591           | 13.3    | 0.201   | 21.0    | 0.282   | 15.0    | 0.663   | 24.3    | 0.127   | 5.30    |        |         | 0.272  | 35.6    | 0.945       | 1.146          | 2.136               | 0.000         | 0.000       | 2.136                       | 0.00   |
|                      |                 |         |         |         |         |         |         |         |         |         |        |         |        |         |             |                |                     |               |             |                             |        |
| Average              | 0.580           | 13.5    | 0.235   | 20.1    | 0.222   | 20.9    | 0.568   | 25.5    | 0.136   | 5.75    |        |         | 0.267  | 35.9    | 0.790       | 1.025          | 2.007               | 0.000         | 0.055       | 2.007                       | 0.13   |
| Minimum              | 0.399           | 12.9    | 0.170   | 13.0    | 0.152   | 14.0    | 0.373   | 22.4    | 0.070   | 5.30    |        |         | 0.183  | 35.4    | 0.525       | 0.698          | 1.635               | 0.000         | 0.000       | 1.635                       | 0.00   |
| Maximum              | 0.732           | 19.4    | 0.328   | 22.0    | 0.292   | 42.0    | 0.937   | 36.1    | 0.227   | 10.10   |        |         | 0.338  | 41.2    | 1.225       | 1.510          | 2.676               | 0.000         | 0.297       | 2.676                       | 1.59   |
| Total                | 17.398          |         | 7.040   |         | 6.673   |         | 17.034  |         | 4.062   |         |        |         | 8.014  |         | 23.707      | 30.747         | 60.222              | 0.000         | 1.658       | 60.222                      | 3.75   |

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)

2.75

60.222

Running Total (water received 2022)

0.000

Goal

14.850

% of Goal

0.00

Running Total (water sent to NL2022)

17.265

Goal

17.471

% of Goal

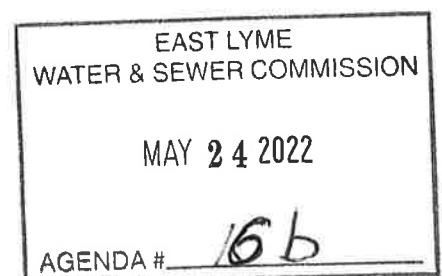
98.82

May 2022

## East Lyme Sewer Maintenance Report for April 2022

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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. Removed VFD for Replacement on Pump # 1. (Bride Brook Station)
12. (Clean) Ridgewood's wet well.



# Sewer Department Monthly Report

May 24 2022

Apr-22      Monthly Running Avg:      961,405 GPD  
Daily Avg:      965,456 GPD  
Daily Max:      1,120,032 GPD  
Daily Min:      872,544 GPD

Daily Average as a Percent of Monthly Running Average:      100.42%  
Daily Average as a Percent of 1.5 MGD Allotment at NLWWTP:      64.36%

## State CT Flows:

|                                   | DOC     | Camp Nett | Rocky Neck | POW     | Total   |
|-----------------------------------|---------|-----------|------------|---------|---------|
| Actual GPD AVG.                   | 139,455 | 9,903     | 0          | 14,147  | 163,505 |
| Design GPD AVG.                   | 250,000 | 58,400    | 64,600     | 105,000 | 478,000 |
| % of Design GPD                   | 55.8%   | 16.96%    | 0          | 13.47%  | 34.21%  |
| % of East Lyme Average Daily Flow | 14.44%  | 1.03%     | 0.00%      | 1.47%   | 16.94%  |
| % of East Lyme 1.5 MGD Allotment  | 9.30%   | 0.66%     | 0.00%      | 0.94%   | 10.90%  |

## Footnotes:

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

# **EAST LYME SEWER FLOWS - HISTORY**

|                            | <b>2014</b> | <b>2015</b> | <b>2016</b> | <b>2017</b> | <b>2018</b> | <b>2019</b> | <b>2020</b> | <b>2021</b> | <b>2022</b> | <b>% +/- Prev. Yr.</b> | <b>Precip.<br/>2022 (in.)</b> |
|----------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|------------------------|-------------------------------|
| <b>JAN.</b>                | 1,011,343   | 787,646     | 747,284     | 784,837     | 781,519     | 1,090,311   | 849,497     | 938,302     | 942,646     | 0.46%                  | 2.80                          |
| <b>FEB.</b>                | 994,771     | 832,681     | 809,701     | 765,648     | 865,263     | 842,611     | 859,175     | 911,422     | 988,646     | 8.47%                  | 4.99                          |
| <b>MAR.</b>                | 1,026,812   | 1,017,280   | 790,851     | 777,452     | 927,771     | 893,805     | 832,803     | 886,441     | 948,873     | 7.04%                  | 2.88                          |
| <b>APR.</b>                | 1,126,058   | 938,861     | 796,611     | 897,161     | 778,780     | 918,456     | 885,983     | 962,591     | 965,456     | 0.30%                  | 3.75                          |
| <b>MAY</b>                 | 1,145,107   | 913,816     | 777,446     | 872,268     | 746,049     | 947,042     | 900,485     | 951,501     |             |                        |                               |
| <b>JUN.</b>                | 1,007,792   | 880,190     | 815,281     | 849,504     | 906,535     | 875,000     | 882,463     | 976,981     |             |                        |                               |
| <b>JUL.</b>                | 1,038,583   | 1,048,427   | 879,952     | 883,851     | 1,026,307   | 977,552     | 853,930     | 1,047,771   |             |                        |                               |
| <b>AUG.</b>                | 999,147     | 977,543     | 868,636     | 873,017     | 905,718     | 932,181     | 911,419     | 978,158     |             |                        |                               |
| <b>SEPT.</b>               | 837,706     | 878,563     | 762,544     | 769,493     | 875,918     | 833,237     | 823,590     | 1,051,008   |             |                        |                               |
| <b>OCT.</b>                | 852,281     | 861,521     | 738,247     | 752,273     | 903,915     | 806,576     | 812,506     | 917,384     |             |                        |                               |
| <b>NOV.</b>                | 787,769     | 803,842     | 709,481     | 732,848     | 871,111     | 815,129     | 786,482     | 937,414     |             |                        |                               |
| <b>DEC.</b>                | 835,260     | 788,121     | 728,649     | 728,437     | 894,050     | 927,335     | 896,694     | 895,121     |             |                        |                               |
| <b>RUNNING<br/>AVERAGE</b> | 971,886     | 894,041     | 785,390     | 807,232     | 873,578     | 904,936     | 857,919     | 954,508     | 961,405     | 4.07%                  | 3.61                          |
|                            |             |             |             |             |             |             |             |             |             | <b>Precip. Total</b>   | 14.42                         |

# **EAST LYME SEWER FLOWS - HISTORY**

|       | 2014      | 2015      | 2016    | 2017    | 2018      | 2019      | 2020    | 2021      | AVG. Prev.<br>Years | 2022    | % +/- AVG.<br>Prev. Years | Precip.<br>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             |         |                           |                       |
| 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             | 961,405 | 8.7%                      | 3.61                  |
|       |           |           |         |         |           |           |         |           |                     |         | Precip. Total             | 14.42                 |

## Apr-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 |                              |           |            |       |            | Total Used | Remaining  | Used       | Remaining  |
| 2022                                | January   | 0.943                          | 1.133     | 0.683     | 0.250                        | 0.058     | 0.025      | 0.105 | 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       |                                |           |           |                              |           |            |       |            |            |            |            |            |
|                                     | June      |                                |           |           |                              |           |            |       |            |            |            |            |            |
|                                     | July      |                                |           |           |                              |           |            |       |            |            |            |            |            |
|                                     | August    |                                |           |           |                              |           |            |       |            |            |            |            |            |
|                                     | September |                                |           |           |                              |           |            |       |            |            |            |            |            |
|                                     | October   |                                |           |           |                              |           |            |       |            |            |            |            |            |
|                                     | November  |                                |           |           |                              |           |            |       |            |            |            |            |            |
|                                     | December  |                                |           |           |                              |           |            |       |            |            |            |            |            |
| Annual Avg.<br>(Jan - Dec)          |           | 0.961                          | 1.159     | 0.780     | 0.129                        | 0.008     | 0.000      | 0.012 | 0.040      | 0.189      | 0.289      | 1.251      | 0.249      |
| Annual Average (11 years, 4 Months) |           |                                |           |           |                              |           |            |       |            |            |            | 1.151      | 0.349      |