

TOWN OF GLASTONBURY

INVITATION TO BID

<u>BID #</u>	<u>ITEM</u>	<u>DATE &amp; TIME REQUIRED</u>
GL-2023-02	Sewage Sludge & Wastewater Services	April 20, 2022 @ 11:00 a.m.

The Town of Glastonbury, Water Pollution Control Division, is seeking Bids for the transportation and disposal of sewage sludge generated at its Water Pollution Control Facility (WPCF) located at 2149 Main Street, Glastonbury, Connecticut. The Town is also seeking bids for the transportation of wastewater, from our Eastbury Pump Station located at 35 Roaring Brook Plaza, Glastonbury, CT 06033, for disposal at the Water Pollution Control Facility. Bidders submitting a response for this solicitation are directed to respond online through a secure e-Procurement portal. Bids can be submitted at the following link: <https://app.negometrix.com/buyer/2832> under the BID title “*GL-2023-02 – Sewage Sludge & Wastewater Services*”. Bidders will be required to create a profile before submitting their bid. Step-by-step instructions on how to register as a Bidder are available at this website: <https://help.negometrix.com/en/support/solutions/articles/9000177626-register-on-negometrix4>.

Bid Forms, Plans and Specifications may be obtained from the Town’s website at [www.glastonburyct.gov](http://www.glastonburyct.gov) at no cost. Bids must be submitted electronically no later than the time and date indicated above. **No late bids will be accepted.**

The Town reserves the right to waive informalities or reject any part of, or the entire bid, when said action is deemed to be in the best interest of the Town.

The Town of Glastonbury is an Affirmative Action/Equal Opportunity Employer. Minority / Women / Disadvantaged Business Enterprises are encouraged to bid.

Mary F. Visone  
Purchasing Agent

**TOWN OF GLASTONBURY  
SEWAGE SLUDGE & WASTEWATER SERVICES**

**BID #GL-2023-02**

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## INFORMATION FOR BIDDERS

1. Bidders submitting a response for this solicitation are directed to respond online through a secure e-Procurement portal. Bids can be submitted at the following link: <https://app.negometrix.com/buyer/2832> under the bid title “*GL-2023-02 – Sewage Sludge & Wastewater Services*”. Bidders will be required to create a profile before submitting their bid. Step-by-step instructions on how to register as a Bidder are available at this website: <https://help.negometrix.com/en/support/solutions/articles/9000177626-register-on-negometrix4>

Bidders will be required to upload their bid response as **one consolidated pdf document** in the following file located in the bid portal:

- Bid Response & Related Documents
2. Whenever it is deemed to be in the best interest of the Town, the Town Manager, Purchasing Agent or designated representative shall waive informalities in any and all bids. The right is reserved to reject any bid, or any part of any bid, when such action is deemed to be in the best interest of the Town of Glastonbury.
  3. It is the intent of the Town to enter into a five (5) year agreement with the successful bidder beginning July 1, 2022 to June 30, 2027. The award will be on the basis of the lowest overall five (5) year bid total cost from a qualified bidder for sewage sludge disposal and wastewater hauling services. Bidder qualifications may include but not be limited to additional factors such as backup capabilities, available hours and laboratory testing capabilities. Unit costs shall include the total cost to the Town. The Town shall not be assessed additional fees. In the event that the Town finds computational errors in a respondent’s bid proposal, the bid total cost shall be recalculated by the Town based on the unit prices contained in the bid proposal. The Bidder must submit pricing for both sludge and wastewater hauling and disposal for the five year period to qualify for the award (see instructions on bid proposal form BP-3). Sludge 5 Year Total Cost based on spreadsheet items C,D,E percentages within 5.0 to 7.9.
  4. Bids will be carefully evaluated as to conformance with stated specifications.
  5. Specifications must be submitted complete in every detail and, when requested, samples shall be provided. If a bid involves any exception from stated specifications, they must be clearly noted as exceptions, underlined, and attached to the bid.
  6. The Bid Documents contain the provisions required for the requested item. Information obtained from an officer, agent, or employee of the Town or any other person shall not affect the risks or obligations assumed by the Bidder or relieve him/her from fulfilling any of the conditions of the bid.
  7. Each Bidder is held responsible for the examination and/or to have acquainted themselves with any conditions at the job site which would affect their work before submitting a bid. Failure to meet these criteria shall not relieve the Bidder of the responsibility of completing the bid without extra cost to the Town of Glastonbury.
  8. Any bid may be withdrawn prior to the above-scheduled time for the opening of bids or authorized postponement thereof. Any bid received after the time and the date specified shall not be considered. No bidder may withdraw a bid within sixty (60) days after the actual date of the opening thereof. Should there be reasons why a bid cannot be awarded within the specified period, the time may be extended by mutual agreement between the Town and the Bidder.

9. Each electronic bid submission must be accompanied by a COPY of the bid bond payable to the Town for ten percent (10%) of the total amount of the bid. Original bid bonds from all respondents must be mailed to the attention of the Purchasing Agent immediately (within 24 hours) following the virtual bid opening at the following address: Town of Glastonbury, PO Box 6523, Glastonbury, CT 06033-6523, Attn: Mary F. Visone, Purchasing Agent. The bid bond of the successful Bidder will be retained until the payment bond and performance bond have been executed and approved, after which it will be returned.
10. The successful bidder will be required to provide an annual performance and labor and material payment bonds in the full amount of the agreed annual contract price. This bond shall cover all aspects of the specification and shall be delivered to the Purchasing Agent prior to the issuance of a purchase order. The Performance and Payment Bond shall be provided annually for the term of the contract.
11. The Bidder agrees and warrants that in the submission of this sealed Bid, they will not discriminate or permit discrimination against any person or group of persons on the grounds of race, color, religion, national origin, sex, or physical disability including, but not limited to blindness, unless it is shown by such Bidder that such disability prevents performance of that which must be done to successfully fulfill the terms of this sealed Bid or in any manner which is prohibited by the laws of the United States or the State of Connecticut: and further agrees to provide the Human Relations Commission with such information requested by the Commission concerning the employment practices and procedures of the Bidder. An Affirmative Action Statement will be required by the successful Bidder.
12. Bidder agrees to comply with all of the latest Federal and State Safety Standards and Regulations and certifies that all work required in this bid will conform to and comply with said standards and regulations. Bidder further agrees to indemnify and hold harmless the Town for all damages assessed against the Town as a result of Bidder's failure to comply with said standards and/or regulations.
13. All correspondence regarding any purchase made by the Town of Glastonbury shall reference the Town purchase order number.
14. Bidder is required to review the Town of Glastonbury Code of Ethics adopted July 8, 2003 and effective August 1, 2003 and revised October 29, 2013 and effective November 28, 2013. Bidder shall acknowledge that they have reviewed the document in the area provided on the bid/proposal response page (BP). The selected Bidder will also be required to complete and sign an Acknowledgement Form prior to award. The Code of Ethics and the Acknowledgement Form can be accessed at the Town of Glastonbury website at [www.glastonburyct.gov](http://www.glastonburyct.gov). Upon entering the website click on **Bids & Proposals Icon**, which will bring you to the links for the Code of Ethics and the Acknowledgement Form.
15. **Non-Resident Contractors (IF APPLICABLE):**

Upon award the Town is required to report names of nonresident (out of state) Contractors to the State of Connecticut, Department of Revenue Services (DRS) to ensure that Employment Taxes and other applicable taxes are being paid by Contractors. **A single surety bond for 5% of the entire contract price is required to be filed with DRS by any unverified nonresident prime or general contractor (if awarded) where the contract price for the project is \$250,000 or more.** The contractor will be required to promptly furnish to the Town a copy of the Form AU-968 - Certificate of Compliance issued by the State of Connecticut, DRS. See State of Connecticut Notice SN 2012 (2).



16. Bidder shall include on a sheet(s) attached to its proposal a complete disclosure of all past and pending mediation, arbitration and litigation cases that the bidder or its principals (regardless of their place of employment) have been involved in for the most recent five years. Please include a statement of the issues in dispute and their resolution. Acceptability of Bidder based upon this disclosure shall lie solely with the Town.
17. Bidder or its principals, regardless of their place of employment, shall not have been convicted of, nor entered any plea of guilty, or nolo contendere, or otherwise have been found civilly liable or criminally responsible for any criminal offense or civil action. Bidder shall not be in violation of any State or local ethics standards or other offenses arising out of the submission of bids or proposals, or performance of work on public works projects or contracts.
18. Technical questions regarding this bid shall be made in writing and directed to Mr. Chuck Bohaboy, Water Pollution Control Supervisor at [chuck.bohaboy@glastonbury-ct.gov](mailto:chuck.bohaboy@glastonbury-ct.gov). For administrative questions concerning this bid, please contact Mary F. Visone, Purchasing Agent, by email at [purchasing@glastonbury-ct.gov](mailto:purchasing@glastonbury-ct.gov). All questions, answers, and/or addenda, as applicable, will be posted on the Town's website at [www.glastonburyct.gov](http://www.glastonburyct.gov) (Upon entering the website scroll down to click on Bids & Proposals Icon, then scroll down page to see the active bid table. You must click the Bid Title to view all bid details and document links). The request must be received at least five (5) business days prior to the advertised response deadline. **It is the bidder's responsibility to check the website for addenda prior to submission of any bid/proposal.**

**IMPORTANT:**

- **Failure to comply with general rules may result in disqualification of the Bidder.**
- **Municipal projects are exempt from Federal Excise Taxes, as well as, State of Connecticut Sales, Use and Service Taxes and should not be include in the Bidder's proposal.**

**1. GENERAL**

- 1.1. The Town of Glastonbury, Water Pollution Control Division, is seeking Bids for the transportation and disposal of sewage sludge generated at its Water Pollution Control Facility (WPCF) located at 2149 Main Street, Glastonbury, Connecticut, and additionally for the transportation of wastewater, from the Eastbury Pump Station located at 35 Roaring Brook Plaza, Glastonbury, CT 06033, with disposal at the WPCF.
- 1.2. It is the intent of the Town to enter into a (5) five-year agreement with the successful bidder. Commencing on July 1, 2022 to June 30, 2027. The Town will only accept bids from those Bidders that provide completed bids for both sludge transportation with disposal and wastewater transportation. The agreement shall be extended and continue in force for the following and each successive year unless terminated by the Town in writing with Ninety (90) day's written notice.
- 1.3. Bidder shall provide a list of a minimum of four (4) references, with similar scope of services performed. Include with submittal of bid.

**2. SCOPE OF SERVICES – SLUDGE TRANSPORTATION & DISPOSAL**

- 2.1. Current Plant Flow is 2.40 million gallons/day with a sludge generation of approximately 640 dry tons/year and estimated for Fiscal Year July 2021 thru June 2022 approximately 2.70 million gallons of sludge (Gal. Multiplier in BP-3 derived from statistical data in 3.3 under referenced fiscal year above, multiply monthly average by 12). There is no guarantee of sludge quantities. Sludge currently disposed at The Mattabasset District Water Pollution Control Facility, Cromwell, CT.
- 2.2. Bidder shall provide equipment, labor and all insurance coverages required to provide transportation with disposal of sludge generated at the Septage Treatment Facility. In addition, backup capabilities to cover equipment or labor shortages.
- 2.3. Sludge generated is primarily from domestic sources with light industrial waste.
- 2.4. Work performed shall include transportation, processing and disposal and shall be in compliance with all latest local, state and federal regulations.
- 2.5. Bids shall be reviewed by Town Staff, Water Pollution Control Authority, and may include a visit to the Bidder's Disposal Sites.
- 2.6. Bidders are required to submit two (2) alternate backup disposal sites in complete detail included with this bid. Include agreement with disposal site without pricing or letter from disposal site stating Bidder has active agreement through the duration of the contract terms.

- 2.7. The pricing schedule has indicated varying sludge solids concentrations included in this bid based on the Town's existing system. Should the Bidder offer alternative concentration capabilities, they must be submitted in detail with this bid.
- 2.8. A sample of the bidder's contract must be included with this proposal, if required. If not submitted it is interpreted that the Town's specifications and purchase order serves as the contract.
- 2.9. Normal work hours for sludge disposal loading shall be Monday thru Friday, 7:00 AM – 2:30 PM, unless other arrangements are made.
- 2.10. Town shall use onsite flow meter for loading of tankers to provide verification of Bidders alternate method. Bidder shall provide Town a copy of loading slip with gallons. In the event Town's flow meter is inoperable Bidder shall provide alternate method approved by Town.
- 2.11. In order to maximize hauling efficiencies the Town requires the Bidder tanker capacity to be a minimum of 6,500 gallons.
- 2.12. Approximate loading time into 6,500-gallon tanker is 45 minutes with existing equipment.
- 2.13. Bidder shall be responsible for all spills due to negligence or equipment failure; cost of cleanup is that of the Bidder.
- 2.14. Bidder shall provide minimum three (3) years experience performing transportation of sludge and/or wastewater with similar terms.

### **3. EXISTING SYSTEMS**

- 3.1. The mixture of primary and secondary sludge is gravity thickened to approximately 3.0% then pumped to storage tanks having a total storage capacity of 47,800 gallons. The sludge is further processed by mechanical sludge thickening equipment to a range of 5-7% solids then stored in a storage tank prior to loading onto proposed Bidders' equipment via Town's existing equipment. In case of pump or equipment failure the Bidder shall provide vacuum pumping capability to evacuate tank(s) under these circumstances. A 6" diameter hose with cam lock fittings is utilized for loading. Scum is stored in a ground level tank with a holding capacity of 2,250 gallons and is disposed of approximately 1x/month (approximately 27,000 gals/year) this material is mixed into sludge holding tank, and then pumped onto tanker during normal sludge loading.
- 3.2. Sludge test results included as **Attachment A**.

3.3. The following provides statistical plant data.

Month	FY 21/22	FY 20/21	FY 19/20	FY 18/19	FY 17/18
July	273000	208000	253500	234000	169000
August	221000	188500	182000	221000	195000
September	214500	221000	175500	234000	253500
October	213500	214500	227500	234000	325000
November		195000	201500	221000	208000
December		240000	221000	188500	221000
January		208000	188500	227500	227500
February		188500	208000	240500	188500
March		234000	214500	279500	273000
April		240500	188500	247000	214500
May		208000	175500	253500	214500
June		273000	214500	234000	247000
Total	922,000	2,619,000	2,450,500	2,814,500	2,736,500
Mthly Avg.	230,500	218,250	204,208	234,542	228,042

**4. SCOPE OF SERVICE – WASTEWATER TRANSPORTATION**

- 4.1. The Town presently operates a holding tank system at this facility with a 25,000 gallon tank capacity.
- 4.2. Bidder shall provide equipment, labor and all insurance coverages required to provide transportation of wastewater generated at our Eastbury pump station. In addition, backup capabilities to cover equipment or labor shortages.
- 4.3. All work performed shall be in compliance with all latest Local, State and Federal requirements.
- 4.4. It is anticipated pumping of the tank will occur on a scheduled basis to coincide with sludge hauling or as directed by the Town during normal work week Monday thru Friday. Adjustments to the schedule will be required for Holidays and emergencies. Due to odors generated while loading and close proximity to businesses, pumping shall occur off business hours 5:00 am – 6:30 am or 5:30 pm – 8 pm., unless other arrangements are approved by the Town.
- 4.5. A sample of the bidder’s contract must be included with this proposal, if required. If not submitted it is interpreted that the Town’s specifications and purchase order serves as the contract.

**TOWN OF GLASTONBURY  
SEWAGE SLUDGE & WASTEWATER SERVICES**

**BID #GL-2023-02**

- 4.6. An average of approximately 17,000 gallons per week is generated at this facility. Due to the nature of the system, the Town does not guarantee quantity of wastewater generated.

Month	FY 21/22	FY 20/21	FY 19/20	FY 18/19
July	66154	59205	73600	81900
August	64912	52500	58800	61800
September	68529	58500	52000	53100
October	56382	71500	58000	60430
November		26000	60400	63250
December		58500	61300	62600
January		52000	63100	70900
February		58500	64000	63800
March		58500	56600	68450
April		58500	61500	69364
May		52000	58400	60100
June		58500	59000	55450
Total	255,977	664,205	726,700	771,144
Mthly Avg	63,994	55,350	60,558	64,262

**TANK & SYSTEMS**

- 4.7. The system is equipped with a submersible pump system requiring the Bidder's operator to connect their hose with a cam lock fittings to a ground level hose connection and activating the electric pump to load the tanker. Pumping capacity is approximately 550 G.P.M. Approximate time to load 6,500 gallons with Town pump system is 25 minutes.
- 4.8. A standpipe within tank to ground level provided as a backup in case of pump failure. The Bidder will be required to provide vacuum pumping capability to evacuate the tank under these circumstances.
- 4.9. In order to maximize hauling efficiencies the Town requires Bidder tanker capacity to be a minimum of 6,500 gallons.
- 4.10. Disposal of wastewater from our Eastbury pump station is provided to the Bidder at no cost to the Town's Water Pollution Control Facility, through Town's septage receiving station which utilizes flow meter measuring gallons received. Bidder shall record on disposal slip and provide copy to Town for gallon verification upon billing.

**5. PAYMENT**

- 5.1. Payment shall be made within thirty (30) days upon receipt of a written invoice submitted to the Town of Glastonbury, Sanitation Department/Water Pollution Control, 2149 Main Street, Glastonbury; CT 06033, to the attention of Michael J. Bisi, Superintendent of Sanitation. Payment shall be determined by multiplying the contract price times the number of gallons

transported, as defined in sections 2.10. & 5.4., by the contractor during the prior calendar month.

## **6. TERMINATION OF CONTRACT**

- 6.1. The Town of Glastonbury Water Pollution Control Facility upon ninety (90) business day's written notice to the hauler may, without cause and without prejudice to any other right or remedy, elect to abandon the work and terminate the agreement. In such case, the hauler is paid for all work executed, prior to agreement termination.
- 6.2. The hauler upon ninety (90) business day's written notice to the Town may, without prejudice to any other right or remedy, elect to abandon the work, and terminate the agreement. In such case, the hauler is paid for all work executed, prior to agreement termination.

## **INSURANCE**

The Bidder shall, at its own expense and cost, obtain and keep in force during the entire duration of the Project or Work the following insurance coverage covering the Bidder and all of its agents, employees and sub-contractors and other providers of services and shall name the **Town of Glastonbury and its employees and agents as an Additional Insured** on a primary and non-contributory basis to the Bidders Commercial General Liability and Automobile Liability policies. All policies shall contain a waiver of subrogation. **These requirements shall be clearly stated in the remarks section on the Bidders Certificate of Insurance.** Insurance shall be written with insurance carriers approved in the State of Connecticut and with a minimum Best's Rating of A-VIII. In addition, all carriers are subject to approval by the Town. Minimum Limits and requirements are stated below:

1) Worker's Compensation Insurance:

- Statutory Coverage
- Employer's Liability
- \$1,000,000 each accident/\$1,000,000 disease-policy limit/\$1,000,000 disease each employee
- A Waiver of Subrogation shall be provided in favor of the Town of Glastonbury and its employees and agents.

2) Commercial General Liability:

- Including Premises & Operations, Products and Completed Operations, Personal and Advertising Injury, Contractual Liability and Independent Contractors.
- Limits of Liability for Bodily Injury and Property Damage  
Each Occurrence \$1,000,000  
Aggregate \$2,000,000 (The Aggregate Limit shall apply separately to each job.)
- A Waiver of Subrogation shall be provided in favor of the Town of Glastonbury and its employees and agents.

3) Automobile Insurance:

- Including all owned, hired, borrowed and non-owned vehicles
- Limit of Liability for Bodily Injury and Property Damage: Per Accident \$1,000,000
- A Waiver of Subrogation shall be provided in favor of the Town of Glastonbury and its employees and agents.

**TOWN OF GLASTONBURY  
SEWAGE SLUDGE & WASTEWATER SERVICES**

**BID #GL-2023-02**

The Bidder shall direct its Insurer to provide a Certificate of Insurance to the Town before any work is performed. The Contractor shall be responsible to notify the Town 60 days in advance with written notice of cancellation or non-renewal. The Certificate shall evidence all required coverage. The Bidder shall provide the Town copies of any such insurance policies upon request.

**INDEMNIFICATION**

To the fullest extent permitted by law, the Bidder shall indemnify and hold harmless the Town of Glastonbury and its consultants, agents, and employees from and against all claims, damages, losses and expenses, direct, indirect or consequential (including but not limited to fees and charges of engineers, attorneys and other professionals and court and arbitration costs) to the extent arising out of or resulting from the performance of the Bidder's work, provided that such claim, damage, loss or expense is caused in whole or in part by any negligent act or omission by the Bidder, or breach of its obligations herein or by any person or organization directly or indirectly employed or engaged by the Bidder to perform or furnish either of the services, or anyone for whose acts the Bidder may be liable.



TOWN OF GLASTONBURY \* 2155 MAIN STREET \* GLASTONBURY \* CT

BID NO: GL-2023-02 DATE DUE: April 20, 2022

DATE ADVERTISED: April 6, 2022 TIME DUE: 11:00 AM

NAME OF PROJECT: SEWAGE SLUDGE & WASTEWATER SERVICES

In compliance with this Invitation to Bid, the Bidder hereby proposes to provide goods and/or services as per this solicitation in strict accordance with the Bid Documents, within the time set forth therein, and at the prices submitted with their bid response.

**IT IS THE RESPONSIBILITY OF THE BIDDER TO CHECK THE TOWN'S WEBSITE BEFORE SUBMITTING BID FOR ADDENDA POSTED PRIOR TO BID OPENING.**

**THE BIDDER ACKNOWLEDGES RECEIPT OF THE FOLLOWING ADDENDA AS REQUIRED:**

Addendum #1 \_\_\_\_\_(Initial/Date) Addendum #2 \_\_\_\_\_(Initial/Date) Addendum #3 \_\_\_\_\_(Initial/Date)

**NON-COLLUSION AFFIDAVIT:**

By submission of this bid, the Bidder certifies, and in the case of a joint bid each party thereto certifies as to their own organization that this bid has been arrived at independently without consultation, communication, or agreement as to any matter relating to this bid with any other Bidder or with any competitor.

**CODE OF ETHICS:**

I / We have reviewed a copy of the Town of Glastonbury's Code of Ethics and agree to submit a Consultant Acknowledgement Form if I /We are selected. Yes \_\_\_\_\_ No \_\_\_\_\_ \*

\*Bidder is advised that effective August 1, 2003, the Town of Glastonbury cannot consider any bid or proposal where the bidder has not agreed to the above statement.

Name of Bidder: \_\_\_\_\_



**Bidders shall provide responses to ALL questions below:  
Include separate sheet if needed**

1. Emergency availability (weekends, holidays, after hours).  
\_\_\_\_\_
2. List of specific restrictions. If no restrictions are listed state: NO RESTRICTIONS  
\_\_\_\_\_
3. Laboratory testing requirements and methods for sludge. Outline specific parameters and schedule for testing and results. (Sludge Only)  
\_\_\_\_\_
4. Bidder's primary sludge disposal location and detailed disposal method. (Sludge Only)  
\_\_\_\_\_  
\_\_\_\_\_
5. Bidder's second sludge disposal location and detailed disposal method. (Sludge Only)  
\_\_\_\_\_  
\_\_\_\_\_
6. Bidder's third sludge disposal location and detailed disposal method. (Sludge Only)  
\_\_\_\_\_  
\_\_\_\_\_
7. Bidder's list of equipment for backup in the event of equipment failure. (number & Sizes)  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Type or Print Name of Individual**

**Doing Business as (Trade Name)**

\_\_\_\_\_  
**Signature of Individual**

\_\_\_\_\_  
**Street Address**

\_\_\_\_\_  
**Title**

\_\_\_\_\_  
**City, State, Zip Code**

\_\_\_\_\_  
**Date**

\_\_\_\_\_  
**Telephone Number/Fax Number**

\_\_\_\_\_  
**E-Mail Address**

\_\_\_\_\_  
**SS# or TIN#**

**GL-2023-02 - Sewage Sludge Wastewater Services**

% Solids	YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5	5 YEAR Avg Unit Cost	Gal. Multiplier	5 Year Total Sludge Cost (C,D,E)
	Cost/Gal. 7/22 - 6/23	Cost/Gal. 7/23 - 6/24	Cost/Gal. 7/24 - 6/25	Cost/Gal. 7/25 - 6/26	Cost/Gal. 7/26 - 6/27			
A. 3.0 - 3.9%	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____			
B. 4.0 - 4.9%	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____			
C. 5.0 - 5.9%	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____			
D. 6.0 - 6.9%	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____			
E. 7.0 - 7.9%	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____			
C,D&E Avg/yr	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	2,766,000	\$ _____
F. 8.0 - 8.9%	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____			
G. 9.0 - 9.9%	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____			

Eastbury Septage		Cost/Gal. 7/22 - 6/23	Cost/Gal. 7/23 - 6/24	Cost/Gal. 7/24 - 6/25	Cost/Gal. 7/25 - 6/26	Cost/Gal. 7/26 - 6/27	5 YEAR Avg Unit Cost	Gal. Multiplier	5 year Total Septage Cost
A.	Septage	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	\$ _____	768,000	\$ _____

- Bidders shall enter unit costs for line items A through H
- Sludge calculation:** The unit costs for items C,D,E shall then be averaged by year to determine the average unit cost by year. The average unit cost by year shall then be totaled to determine the 5 year average unit cost to be used for sludge calculation. The 5 year average unit cost shall be multiplied by gallon multiplier to determine 5 Year Total Sludge Cost (based upon line items C,D,E).
- Septage calculation:** The unit costs for item H shall be averaged to determine the 5 year average unit cost to be used in septage calculation. The 5 year average unit cost shall be multiplied by gallon multiplier to determine the 5 Year Total Septage cost.
- The sum of both 5 year totals (sludge & septage) shall equal total bid amount.
- Unit costs shall include the total cost to the Town. The Town shall not be assessed additional fees.
- Gal. multiplier derived from statistical data item 3.3, FY 21\_22 monthly avg. x 12, rounded to nearest thousand.

**Sludge & Septage Total Costs**      \$ \_\_\_\_\_  
(Numeric Total Bid Amount)

Bidder's Company Name \_\_\_\_\_

# ATTACHMENT A

Report Date..... 26-Aug-20  
 EML Project ID..... 200804-GBY-C  
 Your Project ID..... Quarterly Sludge  
 Date Sampled..... 4-Aug-20  
 Date Submitted..... 4-Aug-20

Glastonbury WPCF  
 2149 Main Street  
 Glastonbury, CT 06033-6523

Attn: Mr. Chuck Bohaboy

ND = Not Detected.

Parameter	Results			Method	Completed		Analyst
	Dry Weight	Det. Limit	Units		Date	Time	
Ammonia as N	5246.	<1	mg/Kg	SM 4500-NH <sub>3</sub>	21-Aug-20	1700	JC
Nitrite as N	6.51	<1	mg/Kg	SM 4500-Norg	21-Aug-20	1700	JC
Nitrate as N	11.29	<1	mg/Kg	SM 4500-NO <sub>3</sub>	21-Aug-20	1700	JC
Total Organic Nitrogen	48778.	<1	mg/Kg	SM 4500-NO <sub>3</sub>	21-Aug-20	1700	JC
Total Nitrogen	54041.	<1	mg/Kg	---	21-Aug-20	1700	JC
pH (S.U.)	7.0	—	S.U.	SW846 9040	4-Aug-20	1700	MCC
Total Solids	7.53	—	% w/w	SM 2540G	6-Aug-20	0900	AB
Fixed Solids	27.79	—	% w/w	SM 2540G	7-Aug-20	1700	AB
Volatile Solids	72.21	—	% w/w	SM 2540G	7-Aug-20	1700	AB
Arsenic	ND	<0.2	mg/Kg	SW846 7010	5-Aug-20	1729	AB
Beryllium	ND	<0.2	mg/Kg	SW846 6010B	7-Aug-20	1807	AB
Cadmium	0.38	<0.1	mg/Kg	SW846 6010B	7-Aug-20	1807	AB
Chromium	4.82	<0.2	mg/Kg	SW846 6010B	7-Aug-20	1807	AB
Copper	382.	<0.2	mg/Kg	SW846 6010B	7-Aug-20	1807	AB
Lead	9.60	<0.5	mg/Kg	SW846 6010B	7-Aug-20	1807	AB
Mercury	0.18	<0.02	mg/Kg	SW846 7471A	10-Aug-20	1700	AB
Nickel	4.40	<0.2	mg/Kg	SW846 6010B	7-Aug-20	1807	AB
Zinc	306.	<0.2	mg/Kg	SW846 6010B	7-Aug-20	1807	AB
ETPH	2924.	<10	mg/Kg	CT-ETPH	26-Aug-20	1000	MCC
Polychlorinated biphenyls (PCBs)	ND	<1	mg/Kg	SW846 8082	26-Aug-20	0322	MCC

Technical Reviewer: 

Title: 

Transcript Reviewer: 

Title: 



ENVIRONMENTAL MONITORING LABORATORY, INC.

Report Date..... 25-Feb-20  
 EML Project ID..... 200204-GBY-C  
 Your Project ID..... Quarterly Sludge  
 Date Sampled..... 4-Feb-20  
 Date Submitted..... 4-Feb-20

Glastonbury WPCF  
 2149 Main Street  
 Glastonbury, CT 06033-6523

Attn: Mr. Chuck Bohaboy

ND = Not Detected.

Parameter	Results		Units	Method	Completed		Analyst
	Dry Weight	Det. Limit			Date	Time	
Ammonia as N	12819.	<1	mg/Kg	SM 4500-NH <sub>3</sub>	20-Feb-20	1720	JC
Nitrite as N	28.49	<1	mg/Kg	SM 4500-Norg	5-Feb-20	1645	SM
Nitrate as N	45.99	<1	mg/Kg	SM 4500-NO <sub>3</sub>	5-Feb-20	1745	SM
Total Organic Nitrogen	132522.	<1	mg/Kg	SM 4500-NO <sub>3</sub>	20-Feb-20	1720	JC
Total Nitrogen	145415.	<1	mg/Kg	—	20-Feb-20	1720	JC
pH (S.U.)	7.5	—	S.U.	SW846 9040	4-Feb-20	1700	MCC
Total Solids	6.74	—	% w/w	SM 2540G	6-Feb-20	1700	AB
Fixed Solids	21.10	—	% w/w	SM 2540G	7-Feb-20	1700	AB
Volatile Solids	78.90	—	% w/w	SM 2540G	7-Feb-20	1700	AB
Arsenic	ND	<0.2	mg/Kg	SW846 7010	6-Feb-20	1138	AB
Beryllium	ND	<0.2	mg/Kg	SW846 6010B	7-Feb-20	0110	AB
Cadmium	0.46	<0.1	mg/Kg	SW846 6010B	7-Feb-20	0110	AB
Chromium	6.45	<0.2	mg/Kg	SW846 6010B	7-Feb-20	0110	AB
Copper	334.	<0.2	mg/Kg	SW846 6010B	7-Feb-20	0110	AB
Lead	17.65	<0.5	mg/Kg	SW846 6010B	7-Feb-20	0110	AB
Mercury	0.13	<0.02	mg/Kg	SW846 7471A	10-Feb-20	1700	AB
Nickel	4.86	<0.2	mg/Kg	SW846 6010B	7-Feb-20	0110	AB
Zinc	221.	<0.2	mg/Kg	SW846 6010B	7-Feb-20	0110	AB
ETPH	2431	<10	mg/Kg	CT-ETPH	24-Feb-20	1600	MCC
Polychlorinated biphenyls (PCBs)	ND	<1	mg/Kg	SW846 8082	24-Feb-20	1400	MCC

Technical Reviewer: *Chuck Bohaboy*

Title: *Analyst*

Transcript Reviewer: *Heidi Buckley*

Title: *Analyst*



ENVIRONMENTAL MONITORING LABORATORY, INC.

Report Date..... 27-May-20  
 EML Project ID..... 200505-GBY-B  
 Your Project ID..... Quarterly Sludge  
 Date Sampled..... 5-May-20  
 Date Submitted..... 5-May-20

Glastonbury WPCF  
 2149 Main Street  
 Glastonbury, CT 06033-6523

Attn: Mr. Chuck Bohaboy

ND = Not Detected.

Parameter	Results			Method	Completed		Analyst
	Dry Weight	Det. Limit	Units		Date	Time	
Ammonia as N	14166.	<1	mg/Kg	SM 4500-NH <sub>3</sub>	26-May-20	1700	JC
Nitrite as N	10.9	<1	mg/Kg	SM 4500-Norg	6-May-20	1730	SM
Nitrate as N	22.5	<1	mg/Kg	SM 4500-NO <sub>3</sub>	6-May-20	1640	SM
Total Organic Nitrogen	69159.	<1	mg/Kg	SM 4500-NO <sub>3</sub>	26-May-20	1700	JC
Total Nitrogen	83358.4	<1	mg/Kg	----	26-May-20	1700	JC
pH (S.U.)	7.0	—	S.U.	SW846 9040	5-May-20	1700	MCC
Total Solids	7.61	—	% w/w	SM 2540G	6-May-20	1700	AB
Fixed Solids	26.02	—	% w/w	SM 2540G	8-May-20	1700	AB
Volatile Solids	73.98	—	% w/w	SM 2540G	8-May-20	1700	AB
Arsenic	ND	<0.2	mg/Kg	SW846 7010	14-May-20	1408	AB
Beryllium	ND	<0.2	mg/Kg	SW846 6010B	5-May-20	2336	AB
Cadmium	0.23	<0.1	mg/Kg	SW846 6010B	5-May-20	2336	AB
Chromium	4.50	<0.2	mg/Kg	SW846 6010B	5-May-20	2336	AB
Copper	320.	<0.2	mg/Kg	SW846 6010B	5-May-20	2336	AB
Lead	10.53	<0.5	mg/Kg	SW846 6010B	5-May-20	2336	AB
Mercury	0.11	<0.02	mg/Kg	SW846 7471A	11-May-20	1700	AB
Nickel	4.5	<0.2	mg/Kg	SW846 6010B	5-May-20	2236	AB
Zinc	217.	<0.2	mg/Kg	SW846 6010B	5-May-20	2236	AB
ETPH	11,189.	<10	mg/Kg	CT-ETPH	26-May-20	1935	MCC
Polychlorinated biphenyls (PCBs)	ND	<1	mg/Kg	SW846 8082	26-May-20	1901	MCC

Technical Reviewer:

*[Handwritten Signature]*

Title:

*NGM*

Transcript Reviewer:

*[Handwritten Signature]*

Title:

*[Handwritten Signature]*



ENVIRONMENTAL MONITORING LABORATORY, INC.

Report Date..... 16-Nov-20  
 EML Project ID..... 201103-GBY-C  
 Your Project ID..... Quarterly Sludge  
 Date Sampled..... 3-Nov-20  
 Date Submitted..... 3-Nov-20

Glastonbury WPCF  
 2149 Main Street  
 Glastonbury, CT 06033-6523

Attn: Mr. Chuck Bohaboy

ND = Not Detected.

Parameter	Results			Method	Completed		Analyst
	Dry Weight	Det. Limit	Units		Date	Time	
Ammonia as N	7619	<1	mg/Kg	SM 4500-NH <sub>3</sub>	13-Nov-20	1700	JC
Nitrite as N	1.79	<1	mg/Kg	SM 4500-Norg	3-Nov-20	1700	SM
Nitrate as N	25.15	<1	mg/Kg	SM 4500-NO <sub>3</sub>	3-Nov-20	1740	SM
Total Organic Nitrogen	61205	<1	mg/Kg	SM 4500-NO <sub>3</sub>	13-Nov-20	1700	JC
Total Nitrogen	68850.94	<1	mg/Kg	---	13-Nov-20	1700	JC
pH (S.U.)	7.0	---	S.U.	SW846 9040	3-Nov-20	1700	MCC
Total Solids	6.72	---	% w/w	SM 2540G	5-Nov-20	0900	AB
Fixed Solids	25.67	---	% w/w	SM 2540G	6-Nov-20	1700	AB
Volatile Solids	74.33	---	% w/w	SM 2540G	6-Nov-20	1700	AB
Arsenic	ND	<0.2	mg/Kg	SW846 7010	5-Nov-20	1341	AB
Beryllium	ND	<0.2	mg/Kg	SW846 6010B	6-Nov-20	0207	AB
Cadmium	0.19	<0.1	mg/Kg	SW846 6010B	6-Nov-20	0207	AB
Chromium	6.80	<0.2	mg/Kg	SW846 6010B	6-Nov-20	0207	AB
Copper	352.	<0.2	mg/Kg	SW846 6010B	6-Nov-20	0207	AB
Lead	15.96	<0.5	mg/Kg	SW846 6010B	6-Nov-20	0207	AB
Mercury	0.15	<0.02	mg/Kg	SW846 7471A	9-Nov-20	1700	AB
Nickel	2.73	<0.2	mg/Kg	SW846 6010B	6-Nov-20	0207	AB
Zinc	316.	<0.2	mg/Kg	SW846 6010B	6-Nov-20	0207	AB
Total Extractable Petroleum Hydrocarbons	1757.	<10	mg/Kg	CT-ETPH	13-Nov-20	1600	MCC
Polychlorinated biphenyls (PCBs)	ND	<1	mg/Kg	SW846 8082	12-Nov-20	1835	MCC

Technical Reviewer: *Neil Crowley*

Title: *ACM*

Transcript Reviewer: *J. J. [Signature]*

Title: *[Signature]*



ENVIRONMENTAL MONITORING LABORATORY, INC.



Report Date..... 22-Aug-19  
 EML Project ID..... 190806-GBY-C  
 Your Project ID..... Quarterly Sludge  
 Date Sampled..... 6-Aug-19  
 Date Submitted..... 6-Aug-19

Glastonbury WPCF  
 2149 Main Street  
 Glastonbury, CT 06033-6523

Attn: Mr. Chuck Bohaboy

ND = Not Detected.

Parameter	Results		Units	Method	Completed		Analyst
	Dry Weight	Det. Limit			Date	Time	
Ammonia as N	15281	<1	mg/Kg	SM 4500-NH <sub>3</sub>	21-Aug-19	1700	JC
Nitrite as N	2.89	<1	mg/Kg	SM 4500-Norg	6-Aug-19	1640	SM
Nitrate as N	9.38	<1	mg/Kg	SM 4500-NO <sub>3</sub>	6-Aug-19	1545	SM
Total Organic Nitrogen	59192	<1	mg/Kg	SM 4500-NO <sub>3</sub>	21-Aug-19	1700	JC
Total Nitrogen	74485.	<1	mg/Kg	---	21-Aug-19	1700	JC
pH (S.U.)	7.0	—	S.U.	SW846 9045	6-Aug-19	1700	MCC
Total Solids	6.93	—	% w/w	SM 2540G	7-Aug-19	0900	AB
Fixed Solids	23.15	—	% w/w	SM 2540G	9-Aug-19	1700	AB
Volatile Solids	76.85	—	% w/w	SM 2540G	9-Aug-19	1700	AB
Arsenic	ND	<0.2	mg/Kg	SW846 7010	8-Aug-19	1533	AB
Beryllium	ND	<0.2	mg/Kg	SW846 6010B	9-Aug-19	0142	AB
Cadmium	0.60	<0.1	mg/Kg	SW846 6010B	9-Aug-19	0142	AB
Chromium	6.31	<0.2	mg/Kg	SW846 6010B	9-Aug-19	0142	AB
Copper	400.	<0.2	mg/Kg	SW846 6010B	9-Aug-19	0142	AB
Lead	15.38	<0.5	mg/Kg	SW846 6010B	9-Aug-19	0142	AB
Mercury	0.13	<0.02	mg/Kg	SW846 7471A	12-Aug-19	1700	AB
Nickel	4.36	<0.2	mg/Kg	SW846 6010B	9-Aug-19	0142	AB
Zinc	392.	<0.2	mg/Kg	SW846 6010B	9-Aug-19	0142	AB
ETPH	5591	<10	mg/Kg	CT-ETPH	20-Aug-19	1430	MCC
Polychlorinated biphenyls (PCBs)	ND	<1	mg/Kg	SW846 8082	20-Aug-19	1200	MCC

Technical Reviewer: \_\_\_\_\_

Title: \_\_\_\_\_

Transcript Reviewer: \_\_\_\_\_

Title: \_\_\_\_\_



ENVIRONMENTAL MONITORING LABORATORY, INC.

Report Date..... 25-Feb-19  
 EML Project ID..... 190205-GBY-C  
 Your Project ID..... Quarterly Sludge  
 Date Sampled..... 5-Feb-19  
 Date Submitted..... 5-Feb-19

Glastonbury WPCF  
 2149 Main Street  
 Glastonbury, CT 06033-6523

Attn: Mr. Chuck Bohaboy

ND = Not Detected.

Parameter	Results		Units	Method	Completed		Analyst
	Dry Weight	Det. Limit			Date	Time	
Ammonia as N	14614.	<1	mg/Kg	SM 4500-NH <sub>3</sub>	22-Feb-19	1600	JC
Nitrite as N	8.34	<1	mg/Kg	SM 4500-Norg	6-Feb-19	1045	SM
Nitrate as N	ND	<1	mg/Kg	SM 4500-NO <sub>3</sub>	6-Feb-19	1130	SM
Total Organic Nitrogen	67383.	<1	mg/Kg	SM 4500-NO <sub>3</sub>	22-Feb-19	1600	JC
Total Nitrogen	82005.	<1	mg/Kg	---	22-Feb-19	1600	JC
pH (S.U.)	7.5	—	S.U.	SW846 9040	5-Feb-19	1700	MCC
Total Solids	7.91	—	% w/w	SM 2540G	8-Feb-19	1700	AB
Fixed Solids	29.71	—	% w/w	SM 2540G	12-Feb-19	0900	AB
Volatile Solids	70.29	—	% w/w	SM 2540G	12-Feb-19	0900	AB
Arsenic	ND	<0.2	mg/Kg	SW846 7010	14-Feb-19	1710	AB
Beryllium	ND	<0.2	mg/Kg	SW846 6010B	8-Feb-19	0050	AB
Cadmium	ND	<0.1	mg/Kg	SW846 6010B	8-Feb-19	0050	AB
Chromium	5.18	<0.2	mg/Kg	SW846 6010B	8-Feb-19	0050	AB
Copper	472.	<0.2	mg/Kg	SW846 6010B	8-Feb-19	0050	AB
Lead	11.25	<0.5	mg/Kg	SW846 6010B	8-Feb-19	0050	AB
Mercury	0.18	<0.02	mg/Kg	SW846 7471A	11-Feb-19	1700	AB
Nickel	6.44	<0.2	mg/Kg	SW846 6010B	8-Feb-19	0050	AB
Zinc	226	<0.2	mg/Kg	SW846 6010B	8-Feb-19	0050	AB
ETPH	6966	<10	mg/Kg	CT-ETPH	22-Feb-19	0425	MCC
Polychlorinated biphenyls (PCBs)	ND	<1	mg/Kg	SW846 8082	20-Feb-19	1500	MCC

Technical Reviewer: *[Signature]*  
 Transcript Reviewer: *[Signature]*

Title: *[Signature]*  
 Title: *[Signature]*



ENVIRONMENTAL MONITORING LABORATORY, INC.



Report Date..... 23-May-19  
 EML Project ID..... 190509-GBY  
 Your Project ID..... Quarterly Sludge  
 Date Sampled..... 7-May-19  
 Date Submitted..... 9-May-19

Glastonbury WPCF  
 2149 Main Street  
 Glastonbury, CT 06033-6523

Attn: Mr. Chuck Bohaboy

ND = Not Detected.

Parameter	Results			Method	Completed		Analyst
	Dry Weight	Det. Limit	Units		Date	Time	
Ammonia as N	13187	<1	mg/Kg	SM 4500-NH <sub>3</sub>	21-May-19	1730	JC
Nitrite as N	ND	<1	mg/Kg	SM 4500-Norg	9-May-19	1730	SM
Nitrate as N	0.78	<1	mg/Kg	SM 4500-NO <sub>3</sub>	9-May-19	1130	SM
Total Organic Nitrogen	71597	<1	mg/Kg	SM 4500-NO <sub>3</sub>	21-May-19	1600	JC
Total Nitrogen	85145	<1	mg/Kg	---	21-May-19	1600	JC
pH (S.U.)	7.0	—	S.U.	SW846 9045	9-May-19	1700	MCC
Total Solids	7.97	—	% w/w	SM 2540G	10-May-19	1700	AB
Fixed Solids	24.23	—	% w/w	SM 2540G	10-May-19	0900	AB
Volatile Solids	75.77	—	% w/w	SM 2540G	10-May-19	0900	AB
Arsenic	ND	<0.2	mg/Kg	SW846 7010	16-May-19	1710	AB
Beryllium	ND	<0.2	mg/Kg	SW846 6010B	9-May-19	2159	AB
Cadmium	0.63	<0.1	mg/Kg	SW846 6010B	9-May-19	2159	AB
Chromium	5.33	<0.2	mg/Kg	SW846 6010B	9-May-19	2159	AB
Copper	358.	<0.2	mg/Kg	SW846 6010B	9-May-19	2159	AB
Lead	12.19	<0.5	mg/Kg	SW846 6010B	9-May-19	2159	AB
Mercury	0.24	<0.02	mg/Kg	SW846 7471A	13-May-19	1700	AB
Nickel	6.27	<0.2	mg/Kg	SW846 6010B	9-May-19	2159	AB
Zinc	296	<0.2	mg/Kg	SW846 6010B	9-May-19	2159	AB
ETPH	5957	<10	mg/Kg	CT-ETPH	21-May-19	1315	MCC
Polychlorinated biphenyls (PCBs)	ND	<1	mg/Kg	SW846 8082	21-May-19	1300	MCC

Technical Reviewer: [Signature]

Title: [Signature]

Transcript Reviewer: [Signature]

Title: [Signature]



ENVIRONMENTAL MONITORING LABORATORY, INC.

Report Date..... 26-Nov-19  
 EML Project ID..... 191105-GBY-B  
 Your Project ID..... Quarterly Sludge  
 Date Sampled..... 5-Nov-19  
 Date Submitted..... 5-Nov-19

Glastonbury WPCF  
 2149 Main Street  
 Glastonbury, CT 06033-6523

Attn: Mr. Chuck Bohaboy

ND = Not Detected.

Parameter	Results			Method	Completed		Analyst
	Dry Weight	Det. Limit	Units		Date	Time	
Ammonia as N	5609.	<1	mg/Kg	SM 4500-NH <sub>3</sub>	19-Nov-19	1700	JC
Nitrite as N	2.20	<1	mg/Kg	SM 4500-Norg	5-Nov-19	1700	SM
Nitrate as N	7.49	<1	mg/Kg	SM 4500-NO <sub>3</sub>	5-Nov-19	1620	SM
Total Organic Nitrogen	65287	<1	mg/Kg	SM 4500-NO <sub>3</sub>	19-Nov-19	1700	JC
Total Nitrogen	70905.69	<1	mg/Kg	---	19-Nov-19	1700	JC
pH (S.U.)	7.0	—	S.U.	SW846 9040	5-Nov-19	1700	MCC
Total Solids	6.81%	—	% w/w	SM 2540G	6-Nov-19	0900	AB
Fixed Solids	25.34%	—	% w/w	SM 2540G	8-Nov-19	1700	AB
Volatile Solids	74.66%	—	% w/w	SM 2540G	8-Nov-19	1700	AB
Asenic	ND	<0.2	mg/Kg	SW846 7010	11-Nov-19	1023	AB
Beryllium	ND	<0.2	mg/Kg	SW846 6010B	8-Nov-19	0159	AB
Cadmium	0.44	<0.1	mg/Kg	SW846 6010B	8-Nov-19	0159	AB
Chromium	6.47	<0.2	mg/Kg	SW846 6010B	8-Nov-19	0159	AB
Copper	467.	<0.2	mg/Kg	SW846 6010B	8-Nov-19	0159	AB
Lead	22.63	<0.5	mg/Kg	SW846 6010B	8-Nov-19	0159	AB
Mercury	0.15	<0.02	mg/Kg	SW846 7471A	11-Nov-19	1720	AB
Nickel	4.82	<0.2	mg/Kg	SW846 6010B	8-Nov-19	0159	AB
Zinc	236.	<0.2	mg/Kg	SW846 6010B	8-Nov-19	0159	AB
ETPH	5102	<10	mg/Kg	CT-ETPH	26-Nov-19	1514	MCC
Polychlorinated biphenyls (PCBs)	ND	<1	mg/Kg	SW846 8082	25-Nov-19	1843	MCC

Technical Reviewer:

*[Handwritten Signature]*

Title:

*[Handwritten Signature]*

Transcript Reviewer:

*[Handwritten Signature]*

Title:

*[Handwritten Signature]*



ENVIRONMENTAL MONITORING LABORATORY, INC.

Report Date..... 2-Sep-21  
 EML Project ID..... 210803-GBY-C  
 Your Project ID..... Quarterly Sludge  
 Date Sampled..... 2-Aug-21  
 Date Submitted..... 3-Aug-21

Glastonbury WPCF  
 2149 Main Street  
 Glastonbury, CT 06033-6523

Attn: Mr. Chuck Bohaboy

ND = Not Detected.

Parameter	Results			Method	Completed		Analyst
	Dry Weight	Det. Limit	Units		Date	Time	
Ammonia as N	12712	<1	mg/Kg	SM 4500-NH <sub>3</sub>	31-Aug-21	1630	JC
Nitrite as N	ND	<1	mg/Kg	SM 4500-Norg	4-Aug-21	1630	SM
Nitrate as N	ND	<1	mg/Kg	SM 4500-NO <sub>3</sub>	4-Aug-21	1720	SM
Total Organic Nitrogen	46254	<1	mg/Kg	SM 4500-NO <sub>3</sub>	31-Aug-21	1630	JC
Total Nitrogen	58966	<1	mg/Kg	---	31-Aug-21	1630	JC
pH (S.U.)	6.5	---	S.U.	SW846 9040	3-Aug-21	1700	MCC
Total Solids	6.38	---	% w/w	SM 2540G	4-Aug-21	0900	AB
Fixed Solids	28.62	---	% w/w	SM 2540G	6-Aug-21	1700	AB
Volatile Solids	71.38	---	% w/w	SM 2540G	6-Aug-21	1700	AB
Arsenic	ND	<0.2	mg/Kg	SW846 7010	4-Aug-21	1025	AB
Beryllium	ND	<0.2	mg/Kg	SW846 6010B	3-Aug-21	2324	AB
Cadmium	ND	<0.1	mg/Kg	SW846 6010B	3-Aug-21	2324	AB
Chromium	7.45	<0.2	mg/Kg	SW846 6010B	3-Aug-21	2324	AB
Copper	398.	<0.2	mg/Kg	SW846 6010B	3-Aug-21	2324	AB
Lead	18.42	<0.5	mg/Kg	SW846 6010B	3-Aug-21	2324	AB
Mercury	0.44	<0.02	mg/Kg	SW846 7471A	9-Aug-21	1700	AB
Nickel	1.83	<0.2	mg/Kg	SW846 6010B	3-Aug-21	2324	AB
Zinc	275.	<0.2	mg/Kg	SW846 6010B	3-Aug-21	2324	AB
Total Extractable Petroleum Hydrocarbons	2116.	<10	mg/Kg	CT-ETPH	1-Sep-21	2336	MCC
Polychlorinated biphenyls (PCBs)	ND	<1	mg/Kg	SW846 8082	1-Sep-21	0038	MCC

Technical Reviewer: [Signature]

Title: [Signature]

Transcript Reviewer: [Signature]

Title: [Signature]



ENVIRONMENTAL MONITORING LABORATORY, INC.

Report Date..... 1-Mar-21  
 EML Project ID..... 210202-GBY-C  
 Your Project ID..... Quarterly Sludge  
 Date Sampled..... 2-Feb-21  
 Date Submitted..... 2-Feb-21

Glastonbury WPCF  
 2149 Main Street  
 Glastonbury, CT 06033-6523

Attn: Mr. Chuck Bohaboy

ND = Not Detected.

Parameter	Results			Method	Completed		Analyst
	Dry Weight	Det. Limit	Units		Date	Time	
Ammonia as N	16031	<1	mg/Kg	SM 4500-NH <sub>3</sub>	24-Feb-21	1700	JC
Nitrite as N	9.85	<1	mg/Kg	SM 4500-Norg	2-Feb-21	1620	SM
Nitrate as N	5.69	<1	mg/Kg	SM 4500-NO <sub>3</sub>	2-Feb-21	1653	SM
Total Organic Nitrogen	64231	<1	mg/Kg	SM 4500-NO <sub>3</sub>	24-Feb-21	1700	JC
Total Nitrogen	80278	<1	mg/Kg	---	24-Feb-21	1700	JC
pH (S.U.)	6.5	---	S.U.	SW846 9040	2-Feb-21	1700	MCC
Total Solids	6.50	---	% w/w	SM 2540G	4-Feb-21	0900	AB
Fixed Solids	30.57	---	% w/w	SM 2540G	8-Feb-21	1700	AB
Volatile Solids	69.43	---	% w/w	SM 2540G	8-Feb-21	1700	AB
Arsenic	ND	<0.2	mg/Kg	SW846 7010	4-Feb-21	0845	AB
Beryllium	ND	<0.2	mg/Kg	SW846 6010B	2-Feb-21	2154	AB
Cadmium	0.61	<0.1	mg/Kg	SW846 6010B	2-Feb-21	2154	AB
Chromium	5.43	<0.2	mg/Kg	SW846 6010B	2-Feb-21	2154	AB
Copper	419.	<0.2	mg/Kg	SW846 6010B	2-Feb-21	2154	AB
Lead	14.66	<0.5	mg/Kg	SW846 6010B	2-Feb-21	2154	AB
Mercury	0.12	<0.02	mg/Kg	SW846 7471A	9-Feb-21	1700	AB
Nickel	4.75	<0.2	mg/Kg	SW846 6010B	2-Feb-21	2154	AB
Zinc	233.	<0.2	mg/Kg	SW846 6010B	2-Feb-21	2154	AB
Total Extractable Petroleum Hydrocarbons	3975.	<10	mg/Kg	CT-ETPH	26-Feb-21	1323	MCC
Polychlorinated biphenyls (PCBs)	ND	<1	mg/Kg	SW846 8082	26-Feb-21	1551	MCC

Technical Reviewer: [Signature]

Title: [Signature]

Transcript Reviewer: [Signature]

Title: [Signature]



ENVIRONMENTAL MONITORING LABORATORY, INC.

Report Date..... 20-May-21  
 EML Project ID..... 210504-GBY-C  
 Your Project ID..... Quarterly Sludge  
 Date Sampled..... 3-May-21  
 Date Submitted..... 4-May-21

Glastonbury WPCF  
 2149 Main Street  
 Glastonbury, CT 06033-6523

Attn: Mr. Chuck Bohaboy

ND = Not Detected.

Parameter	Results		Units	Method	Completed		Analyst
	Dry Weight	Det. Limit			Date	Time	
Ammonia as N	18443	<1	mg/Kg	SM 4500-NH <sub>3</sub>	18-May-21	1700	JC
Nitrite as N	22.33	<1	mg/Kg	SM 4500-Norg	5-May-21	1010	SM
Nitrate as N	17.14	<1	mg/Kg	SM 4500-NO <sub>3</sub>	5-May-21	1050	SM
Total Organic Nitrogen	65189	<1	mg/Kg	SM 4500-NO <sub>3</sub>	8-May-21	1720	JC
Total Nitrogen	83671	<1	mg/Kg	---	8-May-21	1720	JC
pH (S.U.)	7.0	—	S.U.	SW846 9040	4-May-21	1700	MCC
Total Solids	6.36	—	% w/w	SM 2540G	5-May-21	0900	AB
Fixed Solids	28.97	—	% w/w	SM 2540G	7-May-21	1700	AB
Volatile Solids	71.03	—	% w/w	SM 2540G	7-May-21	1700	AB
Arsenic	ND	<0.2	mg/Kg	SW846 7010	6-May-21	1348	AB
Beryllium	ND	<0.2	mg/Kg	SW846 6010B	5-May-21	0252	AB
Cadmium	0.10	<0.1	mg/Kg	SW846 6010B	5-May-21	0252	AB
Chromium	5.21	<0.2	mg/Kg	SW846 6010B	5-May-21	0252	AB
Copper	244.	<0.2	mg/Kg	SW846 6010B	5-May-21	0252	AB
Lead	10.65	<0.5	mg/Kg	SW846 6010B	5-May-21	0252	AB
Mercury	0.18	<0.02	mg/Kg	SW846 7471A	10-May-21	1700	AB
Nickel	2.14	<0.2	mg/Kg	SW846 6010B	5-May-21	0252	AB
Zinc	196.	<0.2	mg/Kg	SW846 6010B	5-May-21	0252	AB
Total Extractable Petroleum Hydrocarbons	6950.	<10	mg/Kg	CT-ETPH	19-May-21	1621	MCC
Polychlorinated biphenyls (PCBs)	ND	<1	mg/Kg	SW846 8082	19-May-21	2221	MCC

Technical Reviewer: [Signature]

Title: [Signature]

Transcript Reviewer: [Signature]

Title: [Signature]



ENVIRONMENTAL MONITORING LABORATORY, INC.



Report Date..... 2-Dec-21  
 EML Project ID..... 211102-GBY-C  
 Your Project ID..... Quarterly Sludge  
 Date Sampled..... 1-Nov-21  
 Date Submitted..... 2-Nov-21

Glastonbury WPCF  
 2149 Main Street  
 Glastonbury, CT 06033-6523

Attn: Mr. Chuck Bohaboy

ND = Not Detected.

Parameter	Results		Units	Method	Completed		Analyst
	Dry Weight	Det. Limit			Date	Time	
Ammonia as N	11989	<1	mg/Kg	SM 4500-NH <sub>3</sub>	24-Nov-21	1700	JC
Nitrite as N	5.11	<1	mg/Kg	SM 4500-Norg	3-Nov-21	1640	SM
Nitrate as N	ND	<1	mg/Kg	SM 4500-NO <sub>3</sub>	3-Nov-21	1730	SM
Total Organic Nitrogen	90767	<1	mg/Kg	SM 4500-NO <sub>3</sub>	24-Nov-21	1700	JC
Total Nitrogen	102761	<1	mg/Kg	---	24-Nov-21	1700	JC
pH (S.U.)	6.5	---	S.U.	SW846 9045	2-Nov-21	1700	MCC
Total Solids	7.04	---	% w/w	SM 2540G	3-Nov-21	0800	AB
Fixed Solids	27.59	---	% w/w	SM 2540G	5-Nov-21	1700	AB
Volatile Solids	72.41	---	% w/w	SM 2540G	5-Nov-21	1700	AB
Arsenic	ND	<0.2	mg/Kg	SW846 7010	5-Nov-21	1620	AB
Beryllium	ND	<0.2	mg/Kg	SW846 6010B	4-Nov-21	0012	AB
Cadmium	ND	<0.1	mg/Kg	SW846 6010B	4-Nov-21	0012	AB
Chromium	6.44	<0.2	mg/Kg	SW846 6010B	4-Nov-21	0012	AB
Copper	437.	<0.2	mg/Kg	SW846 6010B	4-Nov-21	0012	AB
Lead	18.98	<0.5	mg/Kg	SW846 6010B	4-Nov-21	0012	AB
Mercury	0.10	<0.02	mg/Kg	SW846 7471A	8-Nov-21	1700	AB
Nickel	2.72	<0.2	mg/Kg	SW846 6010B	4-Nov-21	0012	AB
Zinc	269.	<0.2	mg/Kg	SW846 6010B	4-Nov-21	0012	AB
Total Extractable Petroleum Hydrocarbons	2521.	<10	mg/Kg	CT-ETPH	29-Nov-21	1905	MCC
Polychlorinated biphenyls (PCBs)	ND	<1	mg/Kg	SW846 8082	29-Nov-21	1350	MCC

Technical Reviewer: \_\_\_\_\_

Title: \_\_\_\_\_

Transcript Reviewer: \_\_\_\_\_

Title: \_\_\_\_\_



ENVIRONMENTAL MONITORING LABORATORY, INC.

Report Date..... 24-Feb-22  
 EML Project ID..... 220208-GBY-C  
 Your Project ID..... Quarterly Sludge  
 Date Sampled..... 7-Feb-22  
 Date Submitted..... 8-Feb-22

Glastonbury WPCF  
 2149 Main Street  
 Glastonbury, CT 06033-6523

Attn: Mr. Chuck Bohaboy

ND = Not Detected.

Parameter	Results			Method	Completed		Analyst
	Dry Weight	Det. Limit	Units		Date	Time	
Ammonia as N	16857	<1	mg/Kg	SM 4500-NH <sub>3</sub>	22-Feb-22	1630	JC
Nitrite as N	ND	<1	mg/Kg	SM 4500-Norg	8-Feb-22	1610	SM
Nitrate as N	10.79	<1	mg/Kg	SM 4500-NO <sub>3</sub>	8-Feb-22	1730	SM
Total Organic Nitrogen	52587	<1	mg/Kg	SM 4500-NO <sub>3</sub>	22-Feb-22	1630	JC
Total Nitrogen	69455	<1	mg/Kg	---	22-Feb-22	1630	JC
pH (S.U.)	6.5	---	S.U.	SW846 9045	8-Feb-22 9-Feb-22	1700	MCC
Total Solids	6.30	---	% w/w	SM 2540G	16-Feb-22	0900	AB
Fixed Solids	18.01	---	% w/w	SM 2540G	16-Feb-22	1700	AB
Volatile Solids	81.89	---	% w/w	SM 2540G	16-Feb-22	1700	AB
Arsenic	ND	<0.2	mg/Kg	SW846 7010	11-Feb-22	1506	AB
Beryllium	ND	<0.2	mg/Kg	SW846 6010B	8-Feb-22	1935	AB
Cadmium	0.28	<0.1	mg/Kg	SW846 6010B	8-Feb-22	1935	AB
Chromium	5.30	<0.2	mg/Kg	SW846 6010B	8-Feb-22	1935	AB
Copper	274.	<0.2	mg/Kg	SW846 6010B	8-Feb-22	1935	AB
Lead	11.13	<0.5	mg/Kg	SW846 6010B	8-Feb-22	1935	AB
Mercury	0.11	<0.02	mg/Kg	SW846 7471A	14-Feb-22	1700	AB
Nickel	3.06	<0.2	mg/Kg	SW846 6010B	8-Feb-22	1935	AB
Zinc	161.	<0.2	mg/Kg	SW846 6010B	8-Feb-22	1935	AB
Total Extractable Petroleum Hydrocarbons	1676.	<10	mg/Kg	CT-ETPH	23-Feb-22	0058	MCC
Polychlorinated biphenyls (PCBs)	ND	<1	mg/Kg	SW846 8082	22-Feb-22	1858	MCC

Technical Reviewer: [Signature]

Title: [Signature]

Transcript Reviewer: [Signature]

Title: [Signature]



ENVIRONMENTAL MONITORING LABORATORY, INC.