

**NARRAGANSETT BAY COMMISSION
SPRINGFIELD WATER AND SEWER COMMISSION
AND
UPPER BLACKSTONE CLEAN WATER**

July 2021

**Request for Qualifications and Proposals (RFQ/P)
To Study and Evaluate the Potential for a
Regional Biosolids Management Facility**

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Introduction

The Narragansett Bay Commission (“NBC”), the Upper Blackstone Water Pollution Abatement District d/b/a Upper Blackstone Clean Water (“Blackstone”), and the Springfield Water and Sewer Commission (“Springfield”); collectively the “Project Partners”, are seeking qualification statements and proposals to evaluate the feasibility of developing and operating a Regional Biosolids Management Facility (“Facility”) to handle the wastewater treatment sludge and biosolids from the wastewater treatment operations of all three Project Partners’ wastewater treatment facilities.

The selected Evaluation Team will investigate and address the siting, permitting, construction, and costs associated with developing and operating the Facility and will include the potential of sizing the Facility to accommodate merchant biosolids and wastewater treatment sludge from other generators in proximity of the regionally sited Facility.

Statement of Problem

Wastewater treatment sludge is the solid material removed from sanitary wastewater through wastewater treatment operations consisting primarily of solid organic matter. Biosolids are produced from wastewater treatment sludge that has been further stabilized, such as through anaerobic digestion.

The management, treatment and ultimate utilization or disposal of both wastewater treatment sludge and biosolids (here forward collectively referred to as “biosolids”) is becoming increasingly expensive and problematic for wastewater treatment facilities throughout the United States. In New England where the vast majority of biosolids are being incinerated and the resulting ash landfilled, biosolids management is especially problematic. Aging incinerator equipment and incinerator facilities, and increasingly stricter emission standards, have resulted in very limited incinerator capacity throughout the region. This is of particular concern to wastewater treatment facilities in Rhode Island and the southwest portions of Massachusetts where other biosolid management options, such as landfilling and land application opportunities, are limited or non-existent.

Recognizing the impact of current and future limitations on biosolids management and utilization and/or disposal options the Project Partners have entered into an agreement to evaluate the regulatory, technical, and economic feasibility of jointly developing a Regional Biosolids Management Facility, or facilities, capable of handling their combined current and future biosolids utilization and/or disposal needs.

General Background

The Narragansett Bay Commission

The NBC owns and operates the State of Rhode Island’s two largest wastewater collection and treatment facilities. NBC’s Field’s Point facilities service the cities and towns of Providence,

North Providence, Johnston and portions of Lincoln and Cranston and NBC's Bucklin Point facilities service the cities and town of Central Falls, Pawtucket and Cumberland and portions of East Providence, Lincoln, and Smithfield. In all, NBC provides wastewater collection and treatment services to a population of more than 360,000.

The NBC is a public corporation overseen by a 19-member Board of Commissioners and operates on revenue received primarily through user fees which are regulated and set by the Rhode Island Public Utilities Commission. NBC's environmental permits are issued, regulated, and enforced by the Rhode Island Department of Environmental Management (RIDEM).

The Field's Point Wastewater Treatment Facility

The Field's Point Wastewater Treatment Facility (FPWWTF) is located at 2 Ernest Street in Providence, RI and operates subject to a Rhode Island Pollutant Discharge Elimination System (RIPDES) permit RI0100315 issued by the RIDEM. The FPWWTF services a combined sewer system and receives both municipal wastewater and stormwater. During rain events stormwater is collected and stored in a 65 MG tunnel for eventual treatment at the FPWWTF. Treated wastewater effluent from the FPWWTF is discharged to the Providence River.

The FPWWTF is the largest wastewater treatment facility in the State of Rhode Island and provides secondary treatment and nitrogen removal for flows of up to 77 million gallons per day (MGD), and primary treatment and disinfection for an additional 123 MGD of wet weather flow. Total treatment capacity at the FPWWTF is 200 MGD. Average dry weather flow to the FPWWTF is 40 MGD.

The FPWWTF utilizes an enhanced activated sludge treatment process consisting of screening, grit removal, primary clarification, biological Integrated Fixed Film Activated Sludge (IFAS) treatment, final clarification, chlorination using sodium hypochlorite and de-chlorination using sodium bisulfite. Wet weather flow receives primary treatment, is disinfected with sodium hypochlorite and is de-chlorinated using sodium bisulfite. Nitrogen limits of 5 mg/l are seasonal from May 1st through October 31st.

Waste activated sludge is combined with primary solids within a system of gravity thickeners and is subsequently dewatered on-site by a private contractor. The dewatered biosolids along with accumulated scum solids are trucked off-site for incineration, or other means of disposal as necessary, by the same private contractor. Collected screenings and grit are transported by NBC staff to a landfill for disposal. On average the FPWWTF produces about 8,100 dry tons of wastewater treatment sludge annually.

The Bucklin Point Wastewater Treatment Facility

The Bucklin Point Wastewater Treatment Facility (BPWWTF) is located at 102 Campbell Ave. in East Providence RI and operates subject to a RIPDES permit RI0100072 issued by the RIDEM. The BPWWTF services a combined sewer system and receives both municipal wastewater and stormwater. NBC is currently constructing a 60 MG deep rock CSO Tunnel within the Bucklin Point service district that is scheduled to be on-line in 2026. Treated wastewater effluent from the BPWWTF is discharged to the Seekonk River.

The BPWWTF is the second largest wastewater treatment facility in the State of Rhode Island and provides secondary treatment and nitrogen removal for flows of up to 46 MGD, and primary treatment and disinfection for an additional 70 MGD of wet weather flow. Total treatment capacity at the BPWWTF is 116 MGD. Average dry weather flow to the BPWWTF is 20 MGD.

The BPWWTF utilizes an activated sludge treatment process consisting of screening, grit removal, primary clarification, secondary biological treatment (capable of operating in a MLE or 4 Stage Bardenpho mode), final clarification, and UV disinfection. Wet weather flow receives primary treatment, is disinfected with sodium hypochlorite and is de-chlorinated using sodium bisulfite. Nitrogen limits of 5 mg/l are seasonal from May 1st through October 31st.

Waste activated sludge is dewatered on-site by NBC in a gravity belt thickener system. The dewatered activated sludge, primary wastewater treatment sludge and collected scum are pumped to one of three primary anaerobic digesters and subsequently to a single secondary digester. Digested biosolids are dewatered on-site by a private contractor and are trucked off-site for incineration, or other means of disposal as necessary, by the same private contractor. Screenings and grit are hauled to a landfill for disposal by another private contractor. On average the BPWWTF produces about 2,200 dry tons of biosolids annually.

The Springfield Water and Sewer Commission

Springfield is an independent regional water and sewer utility and body politic established in 1996 pursuant to Massachusetts General Law Chapter 40N. It is governed by a three-member Board of Commissioners. Springfield provides wholesale and retail water and sewer services to a population of 250,000 in seven communities which includes the regional urban center of Springfield and surrounding communities of West Springfield, Ludlow, Wilbraham, East Longmeadow, Longmeadow, and Agawam Massachusetts.

Springfield's sewer collection system transports wastewater from the City of Springfield and its wholesale customers to the Springfield Regional Wastewater Treatment Facility (SRWTF), located at 250 M Street Extension in the Town of Agawam, Massachusetts. The SRWTF treats approximately 41 MGD, utilizing an activated sludge process and has an average design capacity of 67 MGD and a peak wet-weather flow capacity of 180 MGD.

The SRWTF is owned by Springfield and is currently operated and maintained by SUEZ Environmental Services, Inc. under a twenty-year Service Agreement with the Commission which was renewed in October 2020. The SRWTF utilizes a modified MLE activated sludge treatment process consisting of screening, grit removal, primary clarification, secondary biological treatment and final clarification. The treated effluent is disinfected with chlorine and is de-chlorinated using sodium bisulfite prior to discharge to the Connecticut River in compliance with the facility's NPDES Permit (MA0101613).

Primary and waste activated sludge is blended, thickened and dewatered on-site by Suez prior to being trucked off-site for incineration, or landfill disposal by a private contractor. The facility generates 10,000 dry tons of biosolids annually.

Upper Blackstone Clean Water

Blackstone owns and operates one wastewater treatment facility located in Millbury Massachusetts serving the seven member communities of Worcester, Auburn, Holden, Millbury, Rutland, West Boylston, and the Cherry Valley Sewer District in Leicester. Blackstone also serves portions of Oxford, Paxton, Shrewsbury, and Sutton. In addition, Blackstone accepts septage and sludge from other communities and treatment facilities in Massachusetts. Blackstone provides wastewater treatment services to a population of approximately 250,000.

Blackstone is a body corporate, duly organized and existing pursuant to the provisions of Chapter 752 of the Acts of 1968 General Court of The Commonwealth of Massachusetts and is overseen by a Board of Directors representing the member communities. The majority of votes are controlled by the City of Worcester. Revenue is received through member assessments and non-member fees. The facility is primarily regulated by USEPA Region 1 and the Massachusetts Department of Environmental Protection (MADEP).

Blackstone's treatment facility is located at mailing address 50 Route 20 in Millbury MA. The property is in portions of both Millbury and Worcester, and is bordered by Rte. 20 and Nippnapp Trail, adjacent to Exit 94 on the Massachusetts Turnpike. The facility discharges to the Blackstone River per the terms of NPDES permit (MA0102369), and discharges air emissions per the terms of an Air Quality Operating Permit issued by MADEP and Sewage Sludge Incinerator (SSI) regulations issued directly by USEPA. The treatment facility services a sewer system that includes a combined sewer and stormwater system in a section of downtown Worcester. The BNR system is designed for an average flow of 45 MGD. Total treatment capacity is 160 MGD. The average annual flow is about 30 MGD.

Blackstone's treatment process is an advanced BNR system that can be operated in an AO, A2O, or MLE configuration. Effluent limits include seasonal limits of 0.1 mg/L total phosphorus and 5 mg/L total nitrogen. The treatment process utilizes screening, aerated grit removal, primary clarification, biological nutrient removal in suspended growth reactors with secondary clarifiers, chlorination and de-chlorination. Biosolids are thickened and combined with merchant biosolids and then dewatered and incinerated in one of two multiple hearth incinerators. Incinerator gases are treated through venturi and tray scrubbers, a wet electrostatic precipitator, and a regenerative thermal oxidizer. Incinerator ash is deposited in a lined on-site monofil. On average, the facility processes 18,000 dry tons of biosolids per year.

Study Area

The project study area includes the southeastern New England area within and surrounding the Project Partners' facilities that will allow for economical transportation of biosolids generated at each of the facilities to the selected Facility site(s).

Scope of Work

Work tasks are divided into two phases of work:

Phase 1 – Phase 1 tasks are required to determine the value proposition for a regional approach to biosolids management and to identify the potential financial and non-financial benefits and challenges of a regional facility approach. The Phase 1 report will provide the information

needed for each of the Project Partners to determine whether further investment in the development of a regional approach to biosolids management is justified.

Phase 2 – Phase 2 tasks will evaluate the economic viability of a Facility in more detail, with the scope broadened to include additional technical, legal, governance, and project implementation topics. Initiation of Phase 2 of the project will be dependent on Phase 1 outcomes.

Phase 1 Evaluation

Task 1 - Project Management

- Workshops with the Project Partners at critical project milestones
- Regular project meetings with the Project Partners' Executive Directors and key staff
- Reports to the respective Project Partners' Boards as appropriate
- Present report at the conclusion of Phase 1 to summarize findings, including an executive summary

Task 2 - Regulatory Issues

- Assess how the regulatory authorities, including public utilities commissions within each state (MA and RI), as applicable, will view a regional facility and determine any differences between the regulations and regulatory approaches that may impact potential biosolids management practices/alternatives
- Determine if regulatory agencies in each state will encourage and support a regional approach
- Identify any potential legal and/or regulatory roadblocks to using technologies identified under Task 6
- Consider the impact of new regulations on end-use biosolids practices and associated risks
- Provide updates on potential new restrictions regarding waste products, such as PFAS and/or other emerging pollutants of concern

Task 3 - Establish Baseline Case for each Project Partner

- Review existing biosolids and other applicable reports and data
- Generally, estimate current and future biosolids quantities processed by each Project Partner including any current biosolids received by any of the Project Partners from off-site sources
- Evaluate biosolids characteristics for each Project Partner as needed for other task assessments. If additional sampling is required, provide a recommended sampling plan to the Project Partner(s). Characteristics may include, among others:
 - TSS/VSS
 - Metals
 - Nutrients
 - PFAS and emerging contaminants

- Summarize the age and ‘grade’ or anticipated useful life of existing biosolids processing assets at each Project Partner’s facility, utilizing existing studies where available
- Determine the need for each Project Partner to upgrade existing assets if a regional facility is not implemented
- Establish baseline costs (planning-level) of continued existing biosolids management practices for each Project Partner to be used in comparison with costs for a regional facility option

Task 4 - Preliminary Market and Value Chain Study

- Determine the feasible quantities of imported organics potentially available to the regional facility (e.g., wastewater residuals, food waste organics, FOG, high strength industrial wastes, septage, green waste, etc.)
- Determine the potential tipping fee value of imported organics to the regional facility
- Perform a preliminary end-use biosolids market study to determine the economics associated with reuse of Class A and Class B biosolids products, ash or other products such as biochar
- Determine the highest and best value of other potential products, such as biogas, struvite fertilizer, etc.

Task 5 - Siting Alternatives

- Determine whether space for a new regional facility is available at each Project Partner’s WWTF and identify any issues that would prevent siting of a new regional facility at each WWTF
- Identify individual WWTF modifications that may be needed to accommodate a new regional facility (liquid train permit limits, etc.)
- Consider whether alternative sites (other than the WWTFs) are available and whether these sites would be viable due to the need for sidestream treatment and site assignment issues
- Recommend up to four viable sites for further evaluation

Task 6 - Technical Alternatives

- Summarize biosolids treatment train technologies that have been proven at similar capacity to that of a potential regional facility
- Select two or more technology/process trains for baseline comparison purposes and develop conceptual sizing and layouts for these trains (components may include, among others: digestion, thermal drying, incineration, pyrolysis, etc.)
- Include facilities for acceptance of both liquid sludge and dewatered cake at the regional facility or at each of the existing facilities
- Consider the need for a dewatering system or modifications to existing dewatering systems at each Project Partner’s WWTF, since transport to the regional facility may require dewatered cake.
- Consider the need for sidestream treatment and/or nutrient recovery and identify any process impacts/limitations at the selected Facility site(s)

- Consider all required backup services
- Consider whether existing assets can be incorporated into the regional management plan to provide redundancy, technology diversification, required backup services or other benefits

Task 7 – Cost Evaluation

- Include costs for transporting material to the potential Facility site(s) identified in Task 5
- Develop a planning-level capital cost estimate for the regional facility options
- Develop a planning-level operating and maintenance cost estimate for the regional facility options
- Evaluate revenue potential from a regional facility
- Evaluate life cycle cost of a regional facility
- Compare costs for a regional facility to the baseline cost alternatives developed under Task 3, with the comparison presented on a common unit cost basis
- Evaluate sensitivity of the regional facility economics as appropriate to identified variables
- Identify possible cost benefits to biogas utilization if incorporated into a regional facility/facilities

Task 8 – Identify Non-Financial Criteria

Identify and assess non-cost benefits and challenges associated with a regional facility, possibly including:

- Renewable Energy Production
- Greenhouse Gas Offsets
- Landfill diversion benefits
- Diversification of assets, treatment technologies, and reuse outlets
- Integration of existing assets into the recommended plan to provide greater redundancy and diversification of technologies
- Operational complexity
- Regulatory challenges
- Community Impacts
- Public Outreach

Task 9 - Recommendation for Phase 2 Study

Based on Tasks 1 to 8, determine whether further analysis of a regional Facility/Facilities is warranted by all three Project Partners or any subset of two of the Project Partners based on financial and non-financial factors.

Phase 2 Evaluation

Topics to be considered in subsequent phases of the evaluation include:

Governance Options and Need for Legislation

- Determine whether the new Facility will operate as a single regional authority, three independent utilities, or some other combination of authorities
- Review authorizing legislation and governance for each Project Partner
- Determine the best approach to governance for the regional facility

Implementation Options

- Procurement: design/bid/build, P3, design/build, design/build/operate, or CMAR implementation
- Consider operation as a merchant facility
- Risk mitigation tactics

More Detailed Evaluation of Technical Alternatives

- Prepare a more detailed technical sizing and assessment of technical alternatives recommended based on Phase 1 Evaluation.
- Consider options that include a combination of existing assets and new assets to provide redundancy, technology diversification, or other benefits

More Detailed Market / End Use Study

- More in-depth evaluation of market and end-use economics for the most likely technology alternatives

More Detailed Cost Analysis

- Additional evaluation of capital and operating (life cycle) costs based on more refined definition of technology options and market conditions
- Quantify possible cost benefits to biogas utilization

Proposal Requirements

The purpose of this Request for Proposals is to select a firm to perform the Phase 1 Scope of Work outlined above. Responses to this solicitation must specifically address the following:

1. Proposed Approach to the Project

The respondent shall provide a written description of the approach to the project and a scope of work for completing the project. The scope of work shall contain sufficient detail on methods and procedures to be employed and clearly define how work tasks shall be completed. Specific examples of how similar methods may have been used on other successful projects are encouraged.

2. Project Staffing and Organization

The respondent shall provide a description of how the Evaluation Team will be organized and clearly define each team member's role. Resumes of only those individuals that will

be directly involved in the project shall be included. The individuals whose resumes are submitted are expected to substantially work on the project.

3. Resources and Availability of Personnel

- Provide a description of the resources needed for completion of this project and their availability over the term of the project.
- Provide a listing of the hours proposed for each team member assigned to the project and their availability over the term of the project.

4. Project Schedule

A project schedule shall be included in the proposal outlining the time necessary to complete the project. The schedule shall show the anticipated start and end dates for each task and subtask, as appropriate, from the start of the project to final completion. A start date of October 1, 2021 should be assumed for project scheduling purposes in the proposal. The schedule shall also indicate an estimate of time necessary on the project timeline for any review of submitted information by the Project Partners. A list of proposed outputs shall be provided showing the expected completion date in relation to the project start date.

5. MBE/WBE Requirements

Work to be performed pursuant to this RFQ/P may be funded by the Rhode Island and/or Massachusetts State Revolving Fund (SRF) Loan Programs or the EPA WIFIA Funding program. Projects receiving SRF or EPA WIFIA funds require proper allocation for certified Minority Business Enterprise (MBE) and Women Business Enterprise (WBE) and other specific goals as applicable. The current Massachusetts SRF goals for MBE/WBE participation are 4.2% MBE and 4.5% WBE and the current Rhode Island goal is 10% MBE (each expressed as a percentage of the total project cost). Each respondent shall include a statement that it will commit to utilizing best faith efforts in order to meet the stated MBE/WBE goals. Any proposal which fails to include required MBE/WBE documentation demonstrating a best faith effort to meet the above stated goals may be considered as non-responsive.

6. Project Costs

Include in the proposal an estimate of the costs for the project. Direct costs shall be broken down by task (listed under the Respondent's Scope of Work) indicating the number of man-hours required for each team member and other personnel including subcontractors. The hourly rate for each team member and other personnel shall also be provided.

Instructions and Notification

1. The Project Partners may select multiple proposals based on what they consider to be in their best interest and reserve the right to reject any or all proposals and not make any award based on this RFQ/P and thereafter may republish this RFQ/P or publish a new RFQ/P for all or a portion of the same services as it deems necessary.
2. This Request for Qualifications/Proposals does not commit the Project Partners to pay costs incurred in the preparation of the submittal and does not commit the Project Partners to procure or contract services.
3. Each of the three Project Partners and the firm(s) selected to be the Evaluation Team shall enter into separate contractual agreements setting forth the provisions of this proposal.
4. All questions regarding this RFQ/P must be submitted no later than 10 business days prior to the RFQ/P due date in writing via email to samuel.celone@narrabay.com.
5. Copies of all questions and answers will be forwarded to all parties that have requested copies of the RFQ/P by addendum at least 5 business days prior to the RFQ/P due date.
6. Five (5) copies, as well as an electronic version, of the response to this solicitation shall be sent to the Narragansett Bay Commission, One Service Road, Providence RI 02905, Attention: Samuel Celone, Purchasing Manager no later than 4:00 PM September 1, 2021. The electronic version shall also be sent no later than 4:00 PM September 1, 2021 via email to Samuel Celone, Purchasing Manager, at samuel.celone@narrabay.com. All copies submitted, including the electronic version, shall be identified as "Response to Regional Biosolids Management Facility RFQ/P". There will be no exceptions to this deadline.
7. All costs associated with developing or submitting a proposal in response to this RFQ/P is the responsibility of the respondent.
8. Respondents are advised that all materials submitted for consideration in response to the RFQ/P will be considered to be public records without exception and will be released for inspection immediately once an award is made.
9. All three utilities are tax exempt organizations, see Appendix A for certificates.

Submittal Requirements

The following documentation shall be used to evaluate the qualifications of the firm to perform the work. Qualifications shall include examples of activities completed for work similar to that requested in this RFQ/P.

The Statement of Qualifications shall include sufficient information to document the respondent's qualifications in the following areas:

1. Biosolids Management, Treatment, and Utilization/Disposal - Documentation of the firm's experience in managing biosolids, preferably in the Northeast region of the U.S. as well as national/international experience. The respondent shall list at least three (3) previous biosolids projects undertaken similar to that which is required by this RFQ/P.
2. Biosolids Regulations - Documentation of the firm's experience dealing with biosolids environmental regulations and facility permitting in Rhode Island, Massachusetts as well as any other regions which illustrate such experience. The respondent shall provide at least three (3) projects similar to that which is required by this RFQ/P.

The following information shall be provided by the Respondent for the three (3) most recent projects cited above:

- Name, start and completion dates, and description of the project including a client contact person.
- Types of services provided. Samples may be bound with the response to this RFQ/P as appropriate.
- Total project costs and cost of work performed.

Selection Criteria

A technical review committee comprised of personnel from the Project Partners will evaluate the qualifications and proposal statements based on the following criteria:

- | | |
|--|----------------------------|
| 1. Proposed approach to the project | 25% |
| 2. Qualifications and Experience on Similar Projects | 30% |
| 3. Resources and Availability of Personnel | 15% |
| 4. Project Schedule | 15% |
| 5. Project Costs | 15% |
| 6. MBE/WBE Statement | Required for consideration |

This RFQ/P does not obligate the Project Partners to pay for any costs associated with preparing or submitting statements and does not commit the Project Partners to procure or contract services.

Appendix A



STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS

Department of Administration
DIVISION OF TAXATION
One Capitol Hill
Providence, RI 02908-5800

EXEMPTION CERTIFICATE

I HEREBY CERTIFY THAT THE NARRAGANSETT BAY COMMISSION,
ONE SERVICE ROAD, PROVIDENCE, RHODE ISLAND 02905

IS EXEMPT FROM THE RHODE ISLAND SALES OR USE TAX PURSUANT TO THE RHODE ISLAND SALES AND USE TAX ACT. THIS GOVERNMENTAL AGENCY IS SPECIFICALLY EXEMPTED UNDER SECTION 44-18-30(8).

"THERE ARE EXEMPTED FROM THE TAX IMPOSED BY THIS CHAPTER THE FOLLOWING GROSS RECEIPTS:

" * * * .

- "8. STATE AND POLITICAL SUBDIVISIONS. FROM THE SALE TO, AND FROM THE STORAGE, USE OR OTHER CONSUMPTION BY THIS STATE, ANY CITY, TOWN, DISTRICT, OR OTHER POLITICAL SUBDIVISION OF THIS STATE. EVERY REDEVELOPMENT AGENCY CREATED PURSUANT TO CHAPTER 31 OF TITLE 45 SHALL BE DEEMED TO BE A SUBDIVISION OF THE MUNICIPALITY WHERE IT IS LOCATED."

TANGIBLE PERSONAL PROPERTY PURCHASED, LEASED OR RENTED FROM ANY VENDOR WILL BE USED BY SAID AGENCY.

GOVERNMENTAL AGENCIES ARE **NOT ISSUED EXEMPTION CERTIFICATE NUMBERS**, BECAUSE THEY ARE NOT SUBJECT TO THE QUALIFICATION STIPULATION ESTABLISHED BY THE DIVISION OF TAXATION FOR OTHER EXEMPT ORGANIZATIONS AND INSTITUTIONS.

THIS BLANKET EXEMPTION CERTIFICATE UNDER THE RHODE ISLAND SALES AND USE TAX ACT SHALL APPLY TO ALL FUTURE PURCHASES FROM THE ABOVE MENTIONED RETAILER. **THIS CERTIFICATE DOES NOT EXPIRE AS LONG AS HOLDER IS IN EXISTENCE.**

AUTHORIZED R.I. TAX DIVISION SIGNATURE

LLOYD J. MENARD, JR.
CHIEF REVENUE AGENT
FIELD AUDIT SERVICES

NOVEMBER 18, 2004
DATE: _____



Form ST-5
Sales Tax Exempt
Purchaser Certificate

Rev. 8/00
Massachusetts
Department of
Revenue

Part 1. Exempt taxpayer information

To be completed by exempt government or 501(c)(3) organization.

Name Springfield WATER and Sewer Commission
 Address P.O. Box 995
 City Springfield MA. 01101-0995 State _____ Zip _____
 Exemption number 043-321-585
 Issue date 11/30/97 Certificate expires on (date) NONE

Certification is hereby made that the organization named above is an exempt purchaser under Massachusetts General Laws, Chapter 64H, sections 6(d) or 6(e). All purchases of tangible personal property or services by this organization are exempt from taxation under said chapter to the extent that such property or services are used in the conduct of the business of the purchaser. Any abuse or misuse of this certificate by any tax-exempt organization or any unauthorized use of this certificate by any individual constitutes a serious violation and will lead to revocation.

Signature [Signature] Title Comptroller Date 5/11/05

Warning: Willful misuse of this certificate may result in criminal tax evasion sanctions of up to one year in prison and \$10,000 (\$50,000 for corporations) in fines.

To be Completed by Vendor

Vendor's name _____
 Check applicable box: Single Purchase Certificate Blanket Certificate

Attach detailed receipts/invoices or describe property on the back of this form.



Form ST-2
Certificate of Exemption

Massachusetts
Department of
Revenue

Certification is hereby made that the organization herein named is an exempt purchaser under General Laws, Chapter 64H, sections 6(d) and (e). All purchases of tangible personal property by this organization are exempt from taxation under said chapter to the extent that such property is used in the conduct of the business of the purchaser. Any abuse or misuse of this certificate by any tax-exempt organization or any unauthorized use of this certificate by any individual constitutes a serious violation and will lead to revocation. Willful misuse of this Certificate of Exemption is subject to criminal sanctions of up to one year in prison and \$10,000 (\$50,000 for corporations) in fines. (See reverse side.)

SPRINGFIELD WATER & SEWER
 COMMISSION
 SPRINGFIELD WATER & SEWER
 36 COURT STREET
 SPRINGFIELD MA 01103

EXEMPTION NUMBER E
 043-321-585
 ISSUE DATE
 11/30/97
 CERTIFICATE EXPIRES ON
 NONE

NOT ASSIGNABLE OR TRANSFERABLE

COMMISSIONER OF REVENUE
 MITCHELL ADAMS

This form is approved by the Commissioner of Revenue and may be reproduced.



Commonwealth of Massachusetts
Department of Revenue
Geoffrey E. Snyder, Commissioner

mass.gov/dor

Letter ID: L1214607680
Notice Date: December 3, 2020
MA Taxpayer ID: 11815114



CERTIFICATE OF EXEMPTION



UPPER BLACKSTONE WATER POLLUTION
50 ROUTE 20
MILLBURY MA 01527-2114



Attached below is your Certificate of Exemption (Form ST-2). Cut along the dotted line and display at your place of business. You must report any change of name or address to us so that a revised ST-2 can be issued.

DETACH HERE



MASSACHUSETTS DEPARTMENT OF REVENUE

Form ST-2

Certificate of Exemption

UPPER BLACKSTONE CLEAN WATER
50 ROUTE 20
MILLBURY MA 01527-2142

MA Taxpayer ID: 11815114
Certificate Number: 299997184

This certifies that the organization named above is an exempt purchaser under Chapter 64H, section 6(d) or (e) of the Massachusetts General Laws. All purchases of tangible personal property by this organization are exempt from taxation to the extent that such property is used in the conduct of the business of the purchaser. Misuse of this certificate by any tax-exempt organization or unauthorized use of this certificate by any individual will lead to revocation. Willful misuse of this certificate is subject to criminal sanctions of up to one year in prison and \$10,000 (\$50,000 for corporations) in fines. This certificate is non-transferable and may be suspended or revoked for failure to comply with state laws and regulations.

Effective Date: December 3, 2020

Expiration Date: December 2, 2030