STATE OF RHODE ISLAND

HISTORICAL PRESERVATION & HERITAGE COMMISSION

Old State House 150 Benefit Street Providence, RI 02903

Telephone 401-222-2678
TTY 401-222-3700

Fax 401-222-2968
www.preservation.ri.gov

March 30, 2022

Via email: lturner@crmc.ri.gov & jabbruzzese@crmc.ri.gov

Raymond Coia, Chair
Coastal Resources Management Council
Oliver H. Stedman Government Center
4808 Tower Hill Road
Wakefield, Rhode Island 02879

Re: CRMC File Number 2022-03-032
Applicant: Narragansett Bay Commission
Bucklin Point North and South Landfills
102 Campbell Avenue
East Providence, Rhode Island

Dear Mr. Coia:

The Rhode Island Historical Preservation and Heritage Commission (RIHPHC) staff has reviewed the information that your office provided for the above-referenced application. The Narragansett Bay Commission is proposing to fill and grade the Bucklin Point North and South Landfills at 102 Campbell Avenue in East Providence.

The RIHPHC considers the Bucklin Point Wastewater Treatment Facility to be potentially eligible for listing in the National Register of Historic Places. The landfills are to the north and south of the facility. They will be filled and graded using crushed rock generated from construction of the Pawtucket Tunnel. Based on our review of available information, it is the conclusion of the RIHPHC that the project will have no adverse effect on historic properties.

These comments are provided in accordance with *650-RICR-20-00-1.2.3 Areas of Historic and Archaeological Significance* of the Coastal Resources Management Council. If you have any questions, please contact Elizabeth Totten, Project Review Coordinator, of this office.

Sincerely,

Elizabeth Totten
FOR

Jeffrey Emidy
Interim Executive Director
Interim State Historic Preservation Officer

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MAR 30 2022
COASTAL RESOURCES
MANAGEMENT COUNCIL

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RHODE ISLAND
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES
235 Promenade Street, Providence, Rhode Island 02908

RECEIVED
APRIL 21, 2022
COASTAL RESOURCES
MANAGEMENT COUNCIL

April 21, 2022

CERTIFIED MAIL

Ms. Laurie Horridge, Esq., Executive Director
The Narragansett Bay Commission
One Service Road
Providence, RI 02905

Re: Pawtucket Tunnel Construction Spoils Reuse at Bucklin Point Landfills
Modified Order of Approval Nos. 954 and 1268

Dear Ms. Horridge:

The Department of Environmental Management Office of Water Resources (OWR) is in receipt of the Narragansett Bay Commission's (NBC) request to use spoils generated from the construction of the Pawtucket Tunnel as fill material at the closed Bucklin Point North and South Landfills. This request is outlined in the documentation filed by NBC on March 4, 2022, including a Basis of Design Report, dated February 18, 2022, and drawings entitled "Narragansett Bay Commission Phase III Combined Sewer Overflow Program Pawtucket Tunnel – Construction Spoils Reuse, Bucklin Point Landfills," dated March 4, 2022. NBC has also submitted an Application for State Assent to the Coastal Resources Management Council (CRMC) for the proposed activity.

As indicated in NBC's submittal, OWR has issued several Orders of Approval for the Bucklin Point sludge landfills, including final Order Approval No. 954 issued on December 24, 1990 for the South Landfill and final Order of Approval No 1268 issued on December 4, 1995 for the North Landfill. These Orders of Approval were issued pursuant to OWR's Rules and Regulations for Sewage Sludge Management (the "Sludge Regulations"). NBC is requesting that OWR approve the proposed reuse of tunnel material at the landfills as a modification to the existing Orders.

After coordination with the Department of Environmental Management's Office of Land Revitalization and Sustainable Materials Management (OLRSMM) it has been determined that the tunnel spoils can be reused as fill material at the landfills given that the landfill sites are contiguous with the tunnel construction site, the parcels are under common ownership, and the tunnel spoils will be buried under a final cover layer of clean material. Further, OWR has determined that the proposed project is consistent with the Sludge Regulations. **Therefore, OWR hereby approves the project design documents under the enclosed Modified Order of Approval Nos. 954 and 1268. OWR stamped-approved copies of the project design documents will be forwarded to NBC. Because DEM has not reviewed the stormwater controls for this project, this approval is conditional upon completion of the public notice process and receipt of an Assent from CRMC for the project.**

Please note that NBC must continue to operate and maintain the North and South Landfills in accordance with all OWR-approved design documents and landfill closure plans. Failure to operate as indicated in the approved documents, the Sludge Regulations, and Orders of Approval may result in enforcement action.

If you have any questions, please feel free to have a member of your staff contact Alex Pinto at 222-4700 extension 2777227.

Sincerely,

Joseph B. Haberek, P.E.
Administrator of Surface Water Protection

JBH/AP

RECEIVED
APRIL 21, 2022
COASTAL RESOURCES
MANAGEMENT COUNCIL

Enclosures: Modified Orders of Approval 954 and 1268

ecc: Kathryn Kelly, NBC
Brandon Blanchard, Pare Corporation
Melissa Carter, Stantec
Chris Feeney, Stantec
Ron Gagnon, DEM
Mark Dennen, DEM
Leo Hellested, DEM
Jeff Crawford, DEM
Nathan Arruda, DEM
Jeffrey Willis, CRMC
Rich Lucia, CRMC
Amy Silva, CRMC

STATE OF RHODE ISLAND
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES

RECEIVED
APRIL 21, 2022
COASTAL RESOURCES
MANAGEMENT COUNCIL

In the Matter of the Application)
of the Narragansett Bay Commission)
for Approval of a System or Means)
to Prevent Pollution)

No. 954

MODIFIED ORDER OF APPROVAL

In the above entitled matter, the Department of Environmental Management issues this approval to the Narragansett Bay Commission (NBC) to modify its "South Landfill" in accordance with plans marked "BVDC South Landfill, Proposed Work" and submittals dated 10 December 1990 prepared by BETA Engineering, Inc. **and submittals and plans marked "Phase III Combined Sewer Overflow Program Pawtucket Tunnel – Construction Material Reuse, Bucklin Point Landfills – East Providence," dated March 4, 2022 prepared by Stantec/Pare Corporation** and any revisions to these documents approved by the Department.

The Narragansett Bay Commission shall comply with all existing Federal and State laws and regulations that apply to sewage sludge use and disposal practices and with the Clean Water Act (CWA) Section 405(d) technical standards.

If any applicable management practice or numerical limitation for pollutants in sewage sludge more stringent than existing federal and state regulations is promulgated under Section 405 (d) of the CWA, this Order of Approval shall be modified or revoked and reissued to conform to the promulgated regulations.

The Narragansett Bay Commission shall comply with the limitations no later than the compliance specified in the applicable regulations as required by Section 405(d) of the CWA.

This Order of Approval shall remain in full force and effect as long as said system or means shall be operated and maintained in a condition satisfactory to the Department of Environmental Management.

This Order shall be subject to modification or revocation in accordance with the law.

Entered as the Order of the Department of Environmental management this 21st day of April 2022 A.D.

For the Director:

Joseph B. Haberek, P.E., Administrator
Office of Water Resources
Department of Environmental Management

RECEIVED
APRIL 21, 2022
COASTAL RESOURCES
MANAGEMENT COUNCIL

STATE OF RHODE ISLAND
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF WATER RESOURCES

In the Matter of the Application)
of the Narragansett Bay Commission)
for Approval of a System or Means)
to Prevent Pollution) **No. 1268**

MODIFIED ORDER OF APPROVAL

In the above entitled matter, the Department of Environmental Management issues this approval to the Narragansett Bay Commission (NBC) for the treatment and disposal of sewage sludge at the Bucklin Point Wastewater Treatment Facility located in the City of East Providence in the County of Providence in the State of Rhode Island, in accordance with a plan entitled "Bucklin Point North Landfill Closure Plan" revised November 1995; specifications marked "Process Operations Manual, Pressure Filtration System for the Bucklin Point Wastewater Treatment Facility" prepared by Beta Engineering, Inc.; memo dated December 9, 1993 from Raymond Joubert to Paul E. Nordstrom regarding landfill operating procedures; **and submittals and plans marked "Phase III Combined Sewer Overflow Program Pawtucket Tunnel – Construction Material Reuse, Bucklin Point Landfills – East Providence," dated March 4, 2022 prepared by Stantec/Pare Corporation** and any revisions to these documents approved by the Department.

The Narragansett Bay Commission shall comply with all existing Federal and State laws and regulations that apply to sewage sludge use and disposal practices and with the Clean Water Act (CWA) Section 405(d) technical standards.

If any applicable management practice or numerical limitation for pollutants in sewage sludge more stringent than existing federal and state regulations is promulgated under Section 405 (d) of the CWA, this Order of Approval shall be modified or revoked and reissued to conform to the promulgated regulations.

The Narragansett Bay Commission shall comply with the limitations no later than the compliance specified in the applicable regulations as required by Section 405(d) of the CWA.

This Order of Approval shall remain in full force and effect as long as said system or means shall be operated and maintained in a condition satisfactory to the Department of Environmental Management.

This Order shall be subject to modification or revocation in accordance with the law.

Entered as the Order of the Department of Environmental management this 21st day of April 2022 A.D.

For the Director:

Joseph B. Haberek, P.E., Administrator
Office of Water Resources
Department of Environmental Management

RHODE ISLAND
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
235 Promenade Street, Providence, RI 02908-5767 TDD 401-222-4462

Meeting Minutes **Bucklin Point Landfill, East Providence**

Meeting held via Teams conference call on April 7, 2022

Meeting Participants

Brandon Blanchard, Pare	**Rich Lucia, CRMC**
Kathryn Kelly, NBC	**Amy Silva, CRMC**
Greg Waugh, NBC	**Joseph Haberek, RIDEM – RIPDES**
Jim McCaughey, NBC	**Alex Pinto, RIDEM – RIPDES**
Tony Delblaise	**Jeff Crawford, RIDEM – Site Remediation**
Christopher Feeney, Stantec	**Mark Dennen, RIDEM – Solid Waste**
Melissa Carter, Stantec	**Nathan Arruda, RIDEM – Solid Waste**
	Ron Gagnon, RIDEM - OCTA RG

Purpose of the Meeting

The purpose of the meeting was to review permitting requirements for the placement of tunnel boring materials at the Bucklin Point Sludge Landfills as part of the Narragansett Bay Commission (NBC) Phase III CSO Project.

Meeting Minutes

- The Narragansett Bay Commission (NBC) is preparing to begin Phase III of its Combined Sewer Overflow Project (CSO). The project will include construction of a large tunnel in East Providence adjacent to the Seekonk River that will collect overflow from the CSO during moderate to large rainfall events. The project will generate approximately 600,000 cubic yards of tunnel spoils that must be managed at multiple locations. Approximately 25% of the material is proposed to be deposited at the Bucklin Point Wastewater Treatment Plant Sludge Landfills.

- A separate Assent Application was submitted to the CRMC because this project was not included in the Master Plan. An Order of Approval from the DEM RIPDES Program will be required to increase the grade of the sludge landfills and provide a new cap. The

30% post-consumer fiber

final grade of the landfill is proposed at 66 NGVD29. A one-foot clean soil cap with a geotextile layer will be placed over the tunnel materials.

- The tunnel spoils have been sampled for Arsenic with results indicating levels ranging up to 42.4 ppm. (45 samples taken, Mean = 9.9 ppm; Median =7.22 ppm) DEM indicated that the materials may be placed at the landfills without an approved Beneficial Use Determination (BUD) because the wastewater treatment plant property is contiguous to the tunnel boring operation and both the tunnel boring operations, and the landfills are under the control of the NBC. Placement of the tunnel spoils at other sites in Rhode Island will require a BUD.

- The Assent review process will include a Public Notice. CRMC, DEM and NBC have agreed on language for the Public Notice. DEM indicated that the Order of Approval will include a condition that requires CRMC approval.

- The designers noted that the project will result in an improved stormwater management plan that will meet the current requirements for water quality treatment. The access road will be improved to provide a consistent 24-foot roadway width. Coastal plantings will include a low maintenance wildflower mix. CRMC indicated that details of the wildflower mix must be submitted and must include native species only. CRMC will also require submission of 8.5 x 11-inch copies of the site plans for the Public Notice.

- A final Tunnel Muck Management Plan will be submitted to the CRMC and DEM.

To facilitate review of the permit applications, please include a copy of these notes with your application submittal. This meeting summary does not relieve the property owner from his/her obligation to obtain any local, state, or federal approvals or permits required by ordinance or law.