



RHODE ISLAND

DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

OFFICE OF LAND REVITALIZATION & SUSTAINABLE MATERIALS MANAGEMENT
235 Promenade Street, Providence, Rhode Island 02908

REMEDIAL APPROVAL LETTER File No. SR-09-1958

October 28, 2021

Mr. Tim Grenier
Grenier Properties, LLC
3 Cole Circle
East Greenwich, RI 02818

RE: Grenier Properties, LLC
33 Exchange Street
East Greenwich, Rhode Island
Plat Map 85/1 / Lot 382

Dear Mr. Grenier:

Effective April 22, 2020, the Rhode Island Department of Environmental Management's (the Department) Office of Waste Management has changed the office name to the Office of Land Revitalization and Sustainable Materials Management (LRSMM), as reflected in the re-codified 250-RICR-140-30-1, Rules and Regulations for the Investigation and Remediation of Hazardous Material Releases (the Remediation Regulations). The purpose of these regulations is to create an integrated program requiring reporting, investigation, and remediation of contaminated sites in order to eliminate and/or control threats to human health and the environment in a timely and cost-effective manner. A Remedial Approval Letter (RAL) is a document used by the Department to approve remedial actions at contaminated sites that do not involve the use of complex engineered systems or techniques (e.g. groundwater pump and treat systems, soil vapor extraction systems, etc.).

In the matter of the above-referenced property (the Site), the Department's Office of LRSMM is in receipt of the following documentation submitted pursuant to the Remediation Regulations in response to the reported release at the Site:

1. Remedial Action Work Plan, Residential Property 33 Exchange Street, Plat 85/1, Lots 87 & 382, East Greenwich, Rhode Island, received by the Department on June 23, 2021, and prepared by Redwood Environmental Group, LLC (REG); and
2. RAWP Addendum #1 File No. SR-09-1958, Grenier Properties, LLC, East Greenwich, RI, September 2021, received by the Department on September 21, 2021, and prepared by REG.

Together these documents fulfill the requirements of Section 1.9 (Risk Management) and Section 1.10 (Remedial Action Work Plan (RAWP)) of the Remediation Regulations.

The preferred remedial alternative involves encapsulation of contaminated soils by construction of sitewide engineered controls and implementation of an institutional control in the form of an Environmental Land Usage Restriction (ELUR). During redevelopment of the property, engineered

controls shall be constructed over impacted Site soils. The initial engineered control to be installed at the start of the project shall consist of a geotextile fabric and 1-foot of either clean crushed stone or 1-foot of clean fill as a Site-wide cap. All final engineered controls shall be subject to Department approval and provide a minimum level of protection consistent with two (2) feet of clean fill material or equivalent. Final proposed engineered controls may include placement of a geotextile fabric overlain with one (1) foot of clean crushed stone or clean fill material, placement of two (2) feet of clean fill material, placement of one (1) foot of clean fill with a four (4) inch asphalt cover, final building footprint, asphalt and concrete walkways with minimum thickness of one (1) foot of clean fill and four (4) inches of asphalt or concrete, design thickness of the lawn, patio, pervious pavers, stone dust path, stabilized gravel drive and landscaping for trees and garden engineered controls shall include geotextile fabric and one (1) foot of clean soil with the aforementioned cover above. Air Quality Monitoring (AQM) for contaminated fugitive dust at the downwind property perimeter shall be conducted from the start of the project, during all activities involving the disturbance or exposure of contaminated soils, until the Site-wide cap is completed, and no contaminated soils are exposed. All other dust control best management practices (BMPs) requested by the Department and/or stated in the RAWP and/or SIR Addendum No. 2 shall be performed during the project, as needed. Should contaminated soils be exposed or disturbed after the cap is fully installed, the AQM and BMPs will be utilized again until such time as the cap is fully restored. Any excess lead impacted soils generated during the project that cannot be replaced under an engineered control shall be properly managed while on-site and disposed of off-site at an appropriately licensed disposal facility. The ELUR to be recorded on the property will restrict certain activities on the entire site and will also ensure that the engineered cap is not disturbed. The ELUR will include a post-construction Soil Management Plan (SMP), which will outline the procedures for managing the regulated soils on site should disturbances below the cap be required.

Based upon review and consideration of the above referenced documents, the Department approves the Remedial Action Work Plan (RAWP) through this RAL provided that:

1. All work must be performed in accordance with all applicable regulations and the Department approved RAWP.
2. Start of the work described in the Department approved RAWP must be initiated within sixty (60) days of issuance of this RAL.
3. Prior to initiating any remedial activities, the Department shall be provided with a list of all contractors, and their respective contact information, that will be used on Site to complete the remedial work described in the Department approved RAWP. The Department shall be notified, when feasible, a minimum of five (5) working days in advance of any changes in contractors and/or consultants involved with the remedial work on this Site. The notification must be promptly supplied in writing with complete contact information for each new contractor or consultant (including but not limited to company name and address, contact name and address, contact telephone number and e-mail address).
4. All excavated regulated soil, if not approved for encapsulation onsite, shall be disposed of off-site at an appropriately licensed disposal facility in accordance with all local, State, and Federal laws. Copies of the material shipping records and manifests associated with the disposal of the material shall be included along with the Closure Report.

5. Areas of the site where contaminated soils are to be excavated must be staged and temporarily stored in a designated area, as proposed in the RAWP, of the site with proper polyethylene covers. Any stockpiled materials, including clean fill, must be underlain and covered with polyethylene sheeting and be secured at the end of each day with all appropriate erosion and sediment controls to limit the loss of the cover and protect against storm-water and wind erosion (i.e. hay bales, rocks, silt fencing). These appropriate sedimentation and erosion controls must be in place and in proper working order at all times until all disturbed areas are stabilized and capped as proposed. Within reason, the storage location will be selected to limit the unauthorized access to the materials (i.e. away from public roadways/walkways). No regulated soil will be stockpiled on-site for greater than thirty (30) days. In the event that stockpiled soils pose a risk or threat of leaching hazardous materials, a proper leak-proof container (i.e. drum or lined roll-off) or secondary containment will be required and utilized.
6. The Office of LRSMM no longer requires the submittal of analytical data prior to clean fill being brought to a Site. It is the sole responsibility of the Performing Party and their consultant to analyze the material, certify that the material meets the Department's Residential Direct Exposure Criteria (RDEC), as defined by the Remediation Regulations, for all constituents, and is suitable for use on the Site. The Office of LRSMM strongly suggests that enough representative samples of the clean fill are collected prior to moving the material to the Site to satisfy the Performing Party and their consultant that the material meets the RDEC. Please note that the Office of LRSMM reserves its rights to sample the fill, if suspect, to confirm compliance with the RDEC.
7. All regulated soil remaining onsite shall be encapsulated by an engineered control consistent with those described in the Department approved RAWP.
8. Dust suppression techniques (i.e., watering) must be employed at all times during all soil disturbing/handling activities at the site in order to minimize the generation of fugitive dust.
9. Air Quality Monitoring (AQM) for contaminated fugitive dust at the downwind property perimeter shall be conducted from the start of the project, during all activities involving the disturbance or exposure of contaminated soils, until the Site-wide cap is completed, and no contaminated soils are exposed. All other dust control best management practices (BMPs) shall be performed during the project as needed. Should contaminated soils be exposed or disturbed after the cap is fully installed, the AQM and BMPs shall be utilized again until such time as the cap is fully restored.
10. Please note that if soil exceeding the Department's Residential Direct Exposure Criteria (RDEC) is to remain onsite, a draft Environmental Land Use Restriction (ELUR) and Soil Management Plan (SMP) must be submitted to the Office of LRSMM for review and approval prior to recording.
11. Within sixty (60) days of completion of the work described in the Department approved RAWP, a Closure Report detailing the remedial action and including any disposal documentation shall be submitted to the Office of LRSMM.
12. Within sixty (60) days of completion of the work described in the Department approved RAWP, the final Department approved ELUR shall be recorded in the Town of East Greenwich Land Evidence Records for the property and a stamped, certified copy returned to the Department

within fifteen (15) days of recording. Upon receipt of a copy of the recorded (stamped) ELUR, the Office of LRSMM will issue a Letter of Compliance.

13. Following recording of the ELUR, the site shall be maintained and annually inspected to evaluate the compliance status of the site with the ELUR. Within thirty (30) days of each annual inspection, an evaluation report shall be prepared and submitted to the Office of LRSMM detailing the findings of the inspection and noting any compliance violations at the site.
14. Any changes in the activities detailed in the RAWP shall be reported to the Office of LRSMM by telephone within one (1) working day and in writing within five (5) business days.
15. The Office of LRSMM shall be notified forty-eight (48) hours prior to initiating the remedial activities at the site associated with the Department approved RAWP.
16. The Office of LRSMM shall be immediately notified of any site or operation condition that results in non-compliance with this RAL.

At this time, the Office of LRSMM offers its concurrence with the proposed remedial action for the property. The Department approves the RAWP provided that all activities and procedures detailed in the RAWP are strictly adhered to. Furthermore, this letter continues to place primary responsibility for the construction, operation, maintenance, and monitoring of the approved RAWP and its associated implementation on Grenier Properties, LLC. As the Responsible Party and Performing Party, Grenier Properties, LLC is expected to implement the RAWP in an expeditious and professional manner that prevents non-compliance with this RAL and said RAWP, and is protective of human health and the environment.

Please note that at this time the Department does not approve the ELUR for recording in the Land Evidence Records with the Town of East Greenwich. Please forward an electronic version of the draft ELUR and the post-construction SMP in red line / strikeout format for Department review and approval. The draft ELUR and SMP shall be reviewed and approved by the Department, followed by recording of the approved ELUR, at the completion of all remedial work

This RAL does not remove your obligation to obtain any other necessary permits from other local, State, or Federal agencies.

If you have any questions regarding this letter or would like the opportunity to meet with Department personnel, please contact me by telephone at (401) 222-2797, ext. 2777109, or by E-mail at joseph.martella@dem.ri.gov.

Sincerely,



Joseph T. Martella II
Environmental Engineer III
Office of Land Revitalization &
Sustainable Materials Management

Authorized by,



Kelly J. Owens
Supervising Environmental Engineer
Office of Land Revitalization &
Sustainable Materials Management

cc: Nicholas Pisani, RIDEM/OWR
Greg Swift, RIDEM/OWR
Susan Forcier, Esq., RIDEM/OLS
Lisa Bourbonnais, East Greenwich Town Planner
Mark Schwager, President, East Greenwich Town Council
Gary S. Kaufman, REG