

Soil and Groundwater Management Plan for Construction of Structures from the Crossings Mall in Newington East to the Portsmouth Substation

Seacoast Reliability Project - SEC Docket #2015-04

May 3, 2019

Pursuant to NHDES Wetlands Condition 38 in the NH Site Evaluation Committee *Order and Certificate of Site and Facility with Conditions* issued on January 31, 2019, in lieu of final approval of the SRP Soil and Groundwater Management Plan dated July 18, 2018, and in order to meet outage schedule requirements for a May 6, 2019 work start, Eversource requests that the following protocol be reviewed and approved by the Department for management of soils and groundwater resulting from the installation of Structures located within the Crossings Mall, adjacent Woodbury Avenue, and east within the ROW to Portsmouth Substation. Specifically, this request is for structure locations F-107 131/138 through F-107 144/151 and E-194 10/7 through E-194 7/4. (Refer to the attached Environmental Maps Sheets 29, 30 and 31). Eversource's contractor, JCR Construction and their environmental consultant, GZA, propose to use Roll Off Trailers (roll offs) for temporary storage of soils. This will allow for containment of soil resulting from drilling and excavation activities without placement of soil on the ground in these areas. The soils will be sampled while contained in the roll offs, consistent with disposal facility requirements, then loaded on trucks for eventual transport and disposal at a designated facility in accordance with all applicable laws and regulations.

Eversource proposes the following general procedure to manage soils in this section of the ROW:

- Roll-offs will be positioned adjacent to the drilling location for loading. Once loaded, roll offs may be repositioned within the ROW corridor.
- Roll offs will be lined and water tight in order to be prepared for saturated soils, as needed.
- Polyethylene sheeting will be placed on the ground surface within the work area, so that spillage
 from drill bits and excavator buckets will be contained on polyethylene sheeting for transfer into
 the roll off, as needed.
- At structure locations where there is suitable area in the ROW to reuse unsaturated soils (soils that would not be impacted by a potential zone of groundwater contamination), these soils will be initially placed on polyethylene sheeting and field screened with a photoionization detector (PID) and inspected for visual and/or olfactory evidence of contamination. If there is visual, olfactory or PID screening evidence of contamination, these soils will be placed into the roll-off containers along with saturated soils for characterization and offsite disposal.
- Where there is not the opportunity for reuse of clean unsaturated soils within the ROW, unsaturated (above water table) and saturated soils will be placed into separate roll offs.
- Saturated soils will be dewatered prior to disposal and consistent with facility requirements.
- Eversource contractors will coordinate activities so that soils from each Structure/work location are contained within the same roll-offs.
- It is estimated, based on anticipated quantities in this area, that 20 25 roll offs will be required for soil storage.
- All roll offs will be stored within the Eversource ROW and covered each day after use.



If dewatering of drilling excavations and/or soil dewatering is needed, a vacuum truck will be used to recover groundwater from these processes, which will be transported off site and disposed of at a treatment facility in accordance with all applicable laws are regulations.

At the completion of these activities a report that documents the storage, sampling and disposal of soil and recovery and disposal of groundwater will be provided to the Department.





