

Assessment, Remediation & Land Fill Closure: North Carver Landfill



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Norfolk Ram Group, LLC (Norfolk) has been retained by the Town of Carver to perform assessment, remediation, operation, and maintenance services at their North Carver Landfill facility. Norfolk's personnel have been providing oversight services for the site, specific to the remediation of a contaminated groundwater plume emanating from the landfill and the landfill closure design. Currently, Norfolk is overseeing the closure and capping of the contaminated site, with urban fill materials being generated primarily from "Big Dig" construction-related projects. These soils are being utilized to properly shape and grade the landfill prior to closure.

Norfolk has worked extensively with the Town of Carver, in an effort to develop closure options for the landfill to further mitigate ongoing groundwater contamination problems. Through Norfolk's ongoing operation and maintenance activities at the site, Norfolk has explored several options in connection with the construction of the landfill cap. The current capping alternative is underway and being performed by a private firm, which is closing the landfill at no expense to the Town, in exchange for the ability to utilize urban fill for the project. It is estimated that this approach is saving the Town of Carver approximately \$2 million.

Scope of Services

Norfolk performed the following tasks to assist the client with the successful closure and capping of the landfill.:

- Provided P.E. and LSP oversight services at the landfill site.
- Reviewed soil submittals outlining the nature of the materials proposed for the landfill, their chemical quality and their proposed volume to ensure that the imported soils were in compliance with the DEP's unlined landfill criteria.
- Utilizing an ultraviolet fluorescence analyzer, Norfolk provided *in-situ* field screening for volatile organic compounds, total polynuclear hydrocarbons (TPH) and utilized an X-ray fluorescence analyzer technology to screen the concentrations of heavy metals found within the soil.
- Designed and permitted landfill capping plans; and Norfolk is currently providing residential engineering services for the landfill closure.
- Norfolk made several public presentations to the Board of Selectmen, Board of Health, and citizens groups, and has maintained regular dialogue with the public on behalf of the Town, relative to the status of the landfill closure and the groundwater remedial system.