

12-01

Long Lane Remediation-Wetland Work/Restoration

A wetland delineation was performed at the site in the vicinity of the proposed remediation areas on August 22 and 26, 2011 by Edward Pawlak of Connecticut Ecosystems, LLC. Mr. Pawlak is both a Registered Soil Scientist and a Certified Professional Wetland Scientist. The wetland flags were added to the proposed Remediation Site Map (see attached). There are several Remediation Areas that are within the City of Middletown's 100 Foot Upland Review Area. These areas are:

Remediation Area	Description	Remedial Approach/Site Restoration
RAC-14-1	Ash used as sub-base in paved areas of site	Excavate ash fill /replace with a crushed stone driving surface
RAC-21	Elongated pile of polluted fill located along top of a drainage outfall	Excavate ash fill/ Reestablish grade and seed slope
RAC-38	AOC-B30 (Buried demolition debris contaminated with lead and PAHs) PAH and lead impacted demolition debris at concentrations exceeding DEC and PMC standards	Excavate demolition debris/Reestablish grade and seed slope
RAC-39	Lead and arsenic impacted demolition debris at concentrations exceeding DEC standards	Excavate demolition debris/ Reestablish grade and seed area
RAC-56-2	Concrete vault, historically used as sewer outlet	Removal of vault and piping and screening-sampling of underlying soils/ Reestablish grade and seed slope
RAC-57	Soil piles with trace concentrations of various metals, PAHs, ETPH, and pesticides located adjacent to the pond	Test pit investigation and characterization sampling of soil piles/ Reestablish grade and seed slope

There are two Remediation Areas where work is required within the delineated wetlands. Work in the area is proposed to occur during the winter months to minimize impacts to the adjacent streams. Erosion Control measures in the form of haybales will be utilized to prevent erosion. Each area will be provided with topsoil, seeded, and covered with either a jute fabric or hay to winterize the disturbed areas. Each of the Remediation Areas that are within/partially within the delineated wetlands is outlined below:

Remediation Area	Description	Remedial Approach
RAC-03	Polluted fill containing lead and cadmium was identified in an area near the stream to the south east of the former Building 6; soils partially remediated in 2005-2006 (referred to as RAC-3A)	Excavate remaining impacted soils; soil stockpile to be properly disposed/ Reestablish grade and seed slope with a wetland seed mix – New England Seed Mix
RAC-30	Buried ash and solid waste located in a contiguous area adjacent to the stream and contaminated with lead, arsenic, and cadmium	Excavate impacted soils/ Reestablish grade and seed slope with a wetland seed mix – New England Seed Mix