



Emergency Spill Response

Otis Air National Guard Base

In accordance with the Massachusetts Contingency Plan (MCP) 310 CMR 40.0000, the Horsley Witten Group, Inc. (HW) undertook Immediate Response Actions (IRAs) at Otis Air National Guard Base (Otis ANGB), Massachusetts, on behalf of the 102nd Intelligence Wing, Massachusetts Air National Guard. A threat of release of oil or hazardous materials was initially identified following the demolition of the roof and sidewalls of Tank 16, a 1,000,000 gallon aboveground storage tank (AST) previously used to store JP-4 jet fuel. A layer of JP-4 impacted sand was observed between the AST's original floor and a steel replacement floor installed approximately one foot above. Subsequent field investigation activities also indicated that a release outside of the AST had occurred, impacting soil within three feet of the ground surface in an extending southeast of Tank 16.

Response activities included the removal of 1,500 gallons of fuel oil and oily water from the base of Tank 16, excavation of approximately 60 cubic yards (c.y.) of fuel oil impacted sand from the base of Tank 16, excavation of approximately 700 c.y. of fuel oil impacted sand outside of the base of Tank 16, and recycling of approximately 900 tons of fuel oil impacted sand at Massachusetts asphalt batching facilities. Due to the chemical composition of JP-4, the 60 c.y. of fuel impacted sand removed from the base of Tank 16 was designated as hazardous waste, requiring additional permitting and characterization analysis to determine suitable storage, handling, and disposal methods.

Upon completion of the IRAs described above, management of the site was transitioned to the Installation Restoration Program, which actively manages the remediation and investigation of release sites at Otis ANGB.

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