

Environmental Remediation Wayland, Massachusetts

Former Raytheon Property Description

The Former Raytheon Property (property) is located at 430 Boston Post Road in Wayland, Massachusetts, and encompasses 83 acres, including 32 acres of wetlands and 41 acres of undeveloped grass and woodlands. It is adjacent to the Sudbury River, contiguous with the Great Meadows National Wildlife Refuge, bounded by Route 27 to the east and Route 20 to the south, and approximately one-half mile south of the Baldwin Pond Wells. The property was formerly operated as a research and design facility by Raytheon Company and is presently used as an office park by its owners, Congress Group.

The Former Raytheon Property is shown on the adjacent figure.

Environmental Assessment

Extensive investigative activities have been conducted at the property since 1995. Results of these efforts indicate environmental impacts to the soil, groundwater and wetlands. However, no human health or public safety risks are present at the property.

Through October 2007, investigative activities included analyzing more than 300 soil samples, installing more than 170 groundwater monitoring wells at varying depths, analyzing more than 1,600 groundwater samples, and more than 500 wetland soil/sediment samples. Based on these activities, the primary impacts have been identified as volatile organic compounds (VOCs), polychlorinated biphenyls (PCBs) and polyaromatic hydrocarbons (PAHs) to the soil, chlorinated degreasing solvents, primarily trichloroethene (TCE) to the groundwater, and heavy metals, PCBs, dioxins and PAHs to a localized portion in the wetland area.

Remediation Status

Committed to improving and protecting natural resources, Raytheon completed excavation of impacted wetland soil/sediment and restored the excavation area during Fall-Winter 2003-2004. Restoration monitoring activities will be conducted for a five-year period ending in 2009.

Raytheon conducted treatment of groundwater in the southern portion of the property during Summer 2004 using in situ (in place) chemical oxidation – a process that breaks down chlorinated solvents in the groundwater into harmless end products, such as carbon dioxide, water and chloride. Groundwater monitoring to evaluate the success of the program is ongoing. Success will be measured by the reduction of TCE concentrations in groundwater.



The wetland and southern portions of the property were transitioned into Remedy Operation Status (ROS) in May 2005. A ROS Status Report was submitted on 15 November 2007. Raytheon will continue to document site monitoring activities in ROS Status Reports until a Response Action Outcome is achieved.

Raytheon recently completed remedial activities for impacted soil as detailed in the Phase IV Remedy Implementation Plan (RIP) for the Northern Area of the property. Raytheon anticipates submitting a Phase IV Completion Report in Spring 2008.

Raytheon submitted a Downgradient Property Status Opinion for MTBE in the Southern Area groundwater and a Response Action Outcome – Partial for arsenic in Western Area groundwater to the Massachusetts Department of Environmental Protection.

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Copies of pertinent reports and correspondence are available in the Wayland Public Library Repository, Wayland Board of Health Office and on the Extranet Webpage:

www.ermne.com
username: raytheon
password: wayland