

Waldick Aerospace Devices, Inc.

New Jersey

EPA ID#: NJD054981337

EPA REGION 2

Congressional District(s): 04

Monmouth

Sea Girt section of Wall Township

NPL LISTING HISTORY

Proposed Date: 10/1/1984

Final Date: 6/1/1986

Site Description

The Waldick Aerospace Devices site, approximately 1 1/2 acres in size, is a former industrial facility located at 2121 Highway 35 in the Sea Girt section of Wall Township. From 1979 until about 1984, Waldick Aerospace Devices, Inc. leased this property for the manufacture and plating of metal components for the aerospace industry. In 1982, State and County inspectors found that various degreasing, dip, rinse and plating tanks, as well as a polishing machine were discharging wastewater directly onto the ground. Used machine oil had also been discharged onto the ground. Sampling revealed that the wastes contained heavy metals, acids, and volatile organic compounds (VOCs). Soil and ground water, as well as two buildings were contaminated by Waldick. A third building never used by the Waldick firm had been used for several retail operations. About 41,000 people live within a 3-mile radius of the site. The nearest residence is approximately 100 yards west of the site.

Site Responsibility: This site is being addressed through Federal actions.

Threat and Contaminants

Contaminated ground water contains VOCs and heavy metals (primarily chromium), however, concentrations have significantly declined since the source of contamination was cleaned up in 1993.

Cleanup Approach

The site is being addressed in three stages: immediate actions and two long-term remedial phases directed at source control and cleanup of the off-site ground water contamination.

Response Action Status

Immediate Actions: In June 1983, the State and County authorities excavated about 40 cubic feet of contaminated soil from the southeastern corner of the main building and about 40 cubic feet more from an area behind another building. In January 1985, after the facility was abandoned, EPA discovered about 30 containers of varying sizes filled with hazardous materials, as well as a storage cabinet of laboratory chemicals. The hazardous materials were securely repackaged and shipped to a hazardous waste disposal facility.

Source Control: In 1986, EPA initiated an investigation into the nature and extent of contamination in order to evaluate cleanup options for the site. After completion of this study in 1987, a Source Control remedy was selected in a Record of Decision (ROD) to address contaminated soils and buildings. Based on information developed during the remedial design, EPA modified the remedy in a March 1991 ROD. The 1991 ROD selected on-site thermal treatment of soil to address VOC contamination with off-site treatment and disposal to address metals. This work was initiated in January 1993 and completed in October 1993.

Off-Site Contamination: EPA completed an investigation of the extent of ground water contamination and selected a remedy in a ROD signed in March 1991. The interim remedy called for extracting contaminated ground water and treating it by chemical precipitation to remove metals, followed by air stripping to remove VOCs, and reinjection into the aquifer. However, ground water sampling performed subsequent to the soil cleanup showed substantially reduced contaminant concentrations. As a result, EPA began a monitoring program in April 1997 to help determine whether implementing the selected ground water remedy was still necessary or appropriate. A Long-Term Monitoring report which summarizes all activities that have been conducted at the site, was finalized in June 2008. That report showed that concentrations of ground water contaminants have significantly decreased to the extent that a plume of contamination no

longer exists. A proposed plan for a no action remedy, with monitoring, was issued on August 14, 2008.

Site Facts: Waldick Aerospace Devices, Inc. was convicted in New Jersey Superior Court for criminal violation of Federal and State environmental laws in March 1984. Waldick and two of the three company officers have filed for bankruptcy.

Cleanup Progress

In January 1993, field activities for the Source Control remedy commenced. This remedy involved the demolition of two buildings on site, excavation and on-site, low-temperature thermal treatment of approximately 4,000 cubic yards of VOC-contaminated soil, and off-site disposal of soil and debris contaminated with heavy metals. This work was completed in October 1993. A five-year review was completed in February 2000.

A Long-Term Monitoring report which summarizes all activities that have been conducted at the site, was finalized in June 2008. That report showed that concentrations of ground water contaminants have significantly decreased to the extent that a plume of contamination no longer exists. A proposed plan for a no action remedy, with monitoring, was issued on August 14, 2008 and a public meeting was held on August 21, 2008.

Site Repositories

Wall Township Public Library, 2700 Allaire Road, Wall, New Jersey, 07719 EPA Record Center, 290 Broadway, 18th Floor, New York, N.Y. 10007-1866