

NPL Site Narrative for Friedman Property

FRIEDMAN PROPERTY

Upper Freehold Township, New Jersey

Conditions at proposal (October 23, 1981): The Friedman Property is located in Upper Freehold Township, Monmouth County, New Jersey. The 3-acre site lies just across the boundary from Plumstead Township and is immediately adjacent to an unnamed tributary to Lahaway Creek, which is itself a tributary of the Delaware River. In the late 1950s and early 1960s, free-flowing liquids, household wastes, and demolition debris were dumped into a natural ditch and then covered over. Several residences and two trailer parks within 0.3 mile of the site have private wells. Four monitoring wells installed in 1980 by New Jersey detected heavy metals and a number of organic pollutants. Organic chemicals were present in an adjacent stream.

The site was originally proposed under the name "Upper Freehold Site."

Status (September 21, 1984): EPA and the New Jersey Department of Environmental Protection (NJDEP) are planning a remedial investigation/feasibility study (RI/FS) covering the air, soils, wastes, ground water, surface water, and adjacent stream sediments.

Status (March 8, 1986): The RI indicated that limited contamination was present at the site, and that the site was not used as a hazardous waste disposal facility. Its wastes were no different than those of a typical municipal landfill. Air monitoring during the RI/FS did not show levels above ambient air quality standards, and no complaints of odors or fumes were received from area citizens before or during testing, or from personnel conducting the RI/FS.

Ground water testing included the installation of six monitoring wells and sampling of domestic wells in the vicinity of the site. The shallow ground water had slightly elevated levels of zinc -- below 0.5 milligram per liter (mg/l) -- and 0.03 mg/l of phenols. These levels are below current EPA Health Effects Assessment levels of 7.4 mg/l for zinc and 3.5 mg/l for phenols. Analysis of deep ground water revealed zinc at levels comparable to surface levels. The only similarity between the shallow and deep ground water was in naturally occurring zinc. Since similar chemicals were not found in the two aquifers, and geologic analysis indicated no interconnections, there was no indication that the lower aquifer was contaminated or will be in the future.

The RI/FS indicated that the adjacent stream sediments had not been significantly contaminated by materials found at the site, although trace contamination consistent with routine road maintenance practices from the adjacent highway was found.

In summary, the RI/FS concluded that there are no significant sources of contamination at the site, and contaminants have not migrated from the site and are not expected to migrate.

This site is being deleted from the NPL because, based on the RI, EPA, in consultation with the State of New Jersey, determined that the site poses no significant threat to public health or the environment and, therefore, remedial measures are not appropriate. However, EPA and the NJDEP have agreed that the shallow aquifer in the vicinity of the site will be monitored as a precautionary measure to ensure that

current site conditions do not change. The State is responsible for periodic ground water monitoring for 5 years. State monitoring to date indicates that conditions remain unchanged.

As an additional precaution, EPA recommended to State, county, and local officials that a notice be placed on the property deed and the plot plan amended. The deed notice and plot restrictions would be entered in county land records. They would note that the site had previously been used for waste disposal and restrict on-site excavations, agricultural use, and residential use.

For more information about the hazardous substances identified in this narrative summary, including general information regarding the effects of exposure to these substances on human health, please see the Agency for Toxic Substances and Disease Registry (ATSDR) ToxFAQs. ATSDR ToxFAQs can be found on the Internet at [ATSDR - ToxFAQs](http://www.atsdr.cdc.gov/toxfaq/index.asp) (<http://www.atsdr.cdc.gov/toxfaq/index.asp>) or by telephone at 1-888-42-ATSDR or 1-888-422-8737.