



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY • REGION IX • SAN FRANCISCO, CALIFORNIA

Site Background



The 75-acre Westinghouse property is located at 401 E. Hendy Avenue in Sunnyvale, California. The site is bounded by California Avenue to the north, Hendy Avenue to the south, North Sunnyvale Avenue to the west, and North Fair Oaks Avenue to the east (see Figure 1). During the mid-1950's Westinghouse manufactured transformers which contained Inerteen and mineral oil as insulating fluids. Inerteen was the Westinghouse trade name for an askarel consisting of Aroclor 1260 and trichlorobenzene. This dense non-aqueous phase liquid (DNAPL) contained approximately 60 percent polychlorinated biphenyl (PCB, Aroclor 1260) and 40 percent trichlorobenzene (TCB).

Inerteen was stored in a 7,000 gallon aboveground storage tank. Mineral oil was also stored onsite in three 16,000 gallon aboveground storage tanks and one 20,000 gallon underground storage tank. Inerteen liquid and mineral oil was delivered from their associated tanks to areas of Building 21 via underground piping. The Inerteen tank was removed from the Reservoir 2 area in 1971. The mineral oil tanks were removed prior to 1974. Westinghouse also used Inerteen for weed control around the perimeter of the property and along railroad spurs on the property.

Enforcement History and Selected Remedy

The California State Regional Water Quality Control Board (RWQCB) was the lead agency for the Site from 1981 to 1987. Pursuant to orders issued by the RWQCB, Westinghouse conducted remediation of shallow soils outside the Reservoir 2 area, and along the railroad spurs and fence lines.

In October 1984, pursuant to Section 105 of CERCLA, 42 U.S.C. Section 9605, the Westinghouse Superfund site was proposed for listing on the Federal

Superfund National Priority List (NPL), set forth at 40 C.F.R. Part 300, Appendix B. The listing was finalized in June 1986. EPA assumed the lead oversight role on December 18, 1987. An Administrative Order on Consent for the performance of a Remedial Investigation and Feasibility Study ("RI/FS") was signed by Westinghouse and the EPA on August 20, 1988.

The Feasibility Study was completed during early 1991. EPA issued the proposed plan which announced EPA preferred remedy on June 1, 1991. The public comment period closed on August 29, 1991. On October 16, 1991, the

Regional Administrator signed a Record of Decision (ROD) selecting the remedy for the site.

EPA'S 1991 Remedy Choice

(1) Permanently contain contaminated groundwater on Westinghouse property with pumping, (2) Cleanup contaminated groundwater beyond the Westinghouse property boundary to federal and state drinking water standards, (3) Treat the extracted groundwater prior to discharge, (4) Excavate contaminated soil containing greater than 25 parts per million PCB to a depth of eight feet; (5) Offsite incineration of excavated soils at a federally permitted facility; (6) Sign land use restrictions that prevents access to contamination remaining on the Westinghouse property, (8) Permanent and ongoing monitoring of the contaminated groundwater aquifers to verify that the extraction system is effective in capturing and reducing chemical concentrations; (7) Notify EPA if company stops working in Building 21 such that it becomes available for subsurface cleanup. The estimated

cost of the remedy in the ROD was \$8,300,000.

Past Cleanup Activities

The remediation contractor mobilized at the Superfund site on October 3, 1994. Approximately 1100 tons of contaminated soils was excavated and sent to Aragonite, Utah for incineration. A 20,000 gallon underground storage tank was removed as one of the first tasks of the remedial action. Three monitoring wells and six extraction wells were also installed as part of the groundwater treatment system. Pipelines containing mineral oil and Inerteen were removed from approximately 585 lineal feet of pipeline trench. The designated remedy was constructed during October 3, 1994 and June 1995.

Site Ownership

On March 1, 1996, the Northrop Grumman Corporation acquired the Westinghouse Electronics Systems Group. This acquisition included the property located at 401 East Hendy Avenue in Sunnyvale, California. Northrop Grumman Corporation is a "designer, systems integrator and manufacturer of military surveillance and combat aircraft, defense electronics and systems, airspace management and information systems, marine propulsion, precision weapons and commercial and military aerostructures. ☺

Opportunity for Public Participation:

This Explanation of Significant Differences and the Remedial Action Workplan for the North Parking Lot Soils will be placed in the local repository for public review.



The local repository for the Westinghouse Superfund site is:

**Sunnyvale Public Library
665 West Olive Avenue
Sunnyvale, CA 94088**

In addition EPA is conducting this community open house to discuss the Explanation of Significant Differences and the onsite construction activities with local residents.



For More Information

If you have questions or need more information, please contact:

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You may also call and leave a message on EPA's Toll-Free Information Line at (800) 231 3075.