



Department of Toxic Substances Control



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California Environmental
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NOTICE OF EXEMPTION

To: Office of Planning and Research
1400 Tenth Street, Room 222
Sacramento, CA 95814

From: Land Disposal Branch
8800 Cal Center Drive
Sacramento, CA 95826

Project Title: IT Corporation - Vine Hill Complex, Post Closure Permit

Project Location: **Specific:** 896 Waterbird Way, Martinez

City: Unincorporated **County:** Contra Costa

Description of Project: DTSC certified closure of the IT Vine Hill Complex (VHC) with wastes remaining in place in June 1999. Under those conditions, state and federal regulations require that a postclosure plan for a 30-year period be developed and implemented by the facility. The Post Closure Permit outlines the procedures to fulfill these regulatory requirements which consist of three primary functions: a. maintenance of closure structures, b. environmental monitoring; and c. maintenance of financial mechanisms to fund the postclosure activities.

Site Description and Previous Closure Activities: The VHC occupies two connected, noncontiguous properties. The sites are referred to individually as the Vine Hill and Baker sites. The Vine Hill and Baker portions of the VHC occupy 41 acres and 130 acres respectively. For a period of approximately 35 years until 1987, activities at the Vine Hill site involved management of used oils, treatment of chemical waste and disposal of municipal waste. The Baker site was in operation for about 28 years and was used primarily for volume reduction via evaporation in surface impoundments. The VHC was operated as a Class I disposal facility until 1989.

Approved closure of the VHC included:

1. Waste solidification/drying and consolidation and compaction of waste in two closure cells (one at Vine Hill and one at Baker);
2. Installation of engineered Resource Conservation and Recovery Act (RCRA) cover systems;
3. Installation of groundwater control systems consisting of soil-bentonite cut-off walls, groundwater collection trenches and a network of monitoring wells;
4. Construction of a groundwater treatment plant, lined evaporation basins for management of recovered groundwater and leachate, and pumping and piping systems to convey liquids to the basins;

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5. Construction of surface water control systems; and
6. Installation of a Landfill Gas Collection System (Vine Hill only).

Current and Proposed Activities: The three main requirements of the VHC post closure permit are:
a. Maintenance of above closure structures and systems by regular inspection and corrective action; b. Environmental monitoring, consisting of regular monitoring well inspection, sampling and data statistical analysis. In addition, the VHC post closure permit includes provisions to operate and monitor the groundwater treatment unit, to check the fate of wastes and to regulate air emissions; and c. Provision of financial mechanisms to fund the above postclosure activities throughout the 30 year post closure period.

Name of Public Agency Approving Project: Department of Toxic Substances Control
Land Disposal Branch

Name of Person or Agency Carrying Out Project: IT Corporation

Exempt Status: Title 14, California Code of Regulations, Section 15061(b)(3)
With certainty, no possibility of a significant effect on the environment.

Reasons Why Project is Exempt:

1. An Environmental Impact Report was prepared and certified in support of the Closure Plan. Since final closure, there have been no reports of releases to the environment from the VHC. Recent inspections have revealed no failures or malfunctions in the units described below.
2. The Closure Certification Report as approved by an independent registered engineer certified that both the Vine Hill and Baker Hazardous Waste Management Units were built according to the approved plans and are in good working order. These units include all surface and subsurface features such as slurry wall, the groundwater collection/interceptor trenches, the consolidation landfill cover, the drainage trenches and final site topography.
3. The Closure Certification Report as approved by an independent registered engineer certified that the Liquids Management System for both the Vine Hill and Baker Hazardous Waste Management Units were built according to the approved plans and are in good working order. These units consist of all below ground collection pipes, sumps, pumps and riser pipes, pumping systems, the groundwater water treatment unit and the North and South Evaporation Basins. In addition, the Vine Hill site includes a Gas Collection System with the following features: gas collection trenches, riser pipes and gas carbon filter assemblies.
4. For the purposes of groundwater monitoring, the DTSC Geological Services Unit has updated and approved a Sampling and Analysis Plan (SAP) to adequately monitor the site hydrogeology. Major features of the SAP include: Water Quality Protection Standards, a list of Constituents of Concern, Concentration Limits, Monitoring Points, Points of Compliance and the Reporting Program
5. The VHC also includes a groundwater control system designed to maintain an inward gradient of the groundwater level within the slurry wall surrounding the closure cells. This is achieved by extraction of groundwater from the trenches on the inside of the slurry walls for treatment and offsite shipment as hazardous waste. The groundwater control system will continue to operate until such time as contaminant levels stated in the closure health risk assessment are achieved, as measured by quarterly groundwater sampling.
6. The Post-closure Permit includes provisions to restrict future land uses at both the Vine Hill and Baker sites. Any future use proposals will require rezoning of the property from H-1 (Industrial)

to P-1 (Planned Development) and development of a site Specific Plan This is required pursuant to the requirements of Contra Costa County and the mitigation measures of the Closure Plan and Post-closure EIR, as amended. New uses of the site will also require amendment of the post closure permit, pursuant to the specific conditions stated therein. Deed restrictions are also in place that limit future use of the property and provide notice of its former hazardous waste landfill and treatment facility uses.

7. Post-closure activities are carefully regulated to assure against the potential for any additional environmental concerns. The post-closure permit will require regular monitoring of air, soil and groundwater for evidence of releases. Any unit failure or constituents releases will trigger correction action mechanisms such a Corrective Action Consent Agreement or Unilateral Correction Action Order.

Lead Agency Contact Person: Fred Fontus

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Signature: Not Signed - Draft
James M Pappas, P.E., Chief
Land Disposal Branch

Date: _____

Date received for filing at OPR: