

NOTICE OF EXEMPTION

To: Office of Planning and Research
State Clearinghouse
P.O. Box 3044, 1400 Tenth Street, Room 212
Sacramento, CA 95812-3044

From: Department of Toxic Substances Control
Northern California
Coastal Cleanup Operations Branch

700 Heinz Avenue, Suite 200

Berkeley, CA 94710

Project Title: Remedial Action Plan for the Vadose Zone Soil at the Golden Technology Site

Project Location – Specific: 3017, 3019 and 3033 Santa Rosa Avenue

Project Location – City: Santa Rosa

Project Location – County: Sonoma County

Description of Project:

The Remedial Action Plan addresses vadose zone soil impacted with volatile organic compounds (VOCs) above Site cleanup goals. The proposed remedial action for the soil consists of: 1) removing soil containing trichloroethylene (TCE) and cis-1, 2-dichloroethylene (cis-1, 2-DCE) above site cleanup goals; and 2) restricting the property use to commercial and/or industrial uses. Both TCE and cis-1, 2-DCE have also been detected in shallow groundwater at the Site. However, shallow groundwater will be addressed in a separate remedy selection document. The objective of the current remedy is to address surface exposures and soils as a source of groundwater contamination.

Background:

The Golden Technology site consists of three adjoining properties within a mixed commercial and residential area (see Figure 1, Site Location Map). The Site consists of two buildings surrounded by asphalt and decomposed gravel surfaces. As a result of past circuit board manufacturing operations, the soil and groundwater at the site were contaminated with TCE and cis-1, 2-DCE.

Land uses at the site prior to and following Golden Technology have been retail sales. From 1968 through 1975, Golden Technology operated a printed circuit board manufacturing facility at 3017 Santa Rosa Avenue, with waste management units located on 3017, 3019 and 3033 Santa Rosa Avenue. The former waste management units consists of wastewater discharge areas, aboveground waste storage pools, a photo-resist pond, a drum storage area, and an acid neutralization sump. In 1975, Golden Technology's manufacturing operations were terminated at the Site. While some of the waste management units were removed from the Site in 1975, some remain. TCE and cis-1,2-DCE levels in soil range from non-detectable to 10.3 parts per million (ppm) and 4.48 ppm, respectively.

In order to determine appropriate cleanup levels for the Site, two different assessments were conducted. First, a risk assessment was conducted to determine the potential risks to public health. This assessment evaluated the potential impacts of the chemicals detected in soil and groundwater on commercial and industrial workers at the Site. Second, the potential for chemicals in soil to impact groundwater was evaluated. The cleanup goal for TCE is 120 micrograms per kilogram (ug/kg). The cleanup goal for cis-1,2-DCE is 150 ug/kg. The risk assessment calculated a potential risk of 3×10^{-7} for commercial/industrial workers, which is below the less than significant level of 1×10^{-6} . Therefore, the continued commercial and/or industrial use of the property does not pose a significant risk.

Since TCE and cis-1,2-DCE have been detected in both soil and in groundwater, cleanup goals were set to protect groundwater. The amount of TCE and cis-1, 2-DCE in soil associated with water levels equaling the public health goal for each chemical was then determined and set as the cleanup goal for protection of groundwater. This process simulates the movement of rainwater through the soil into groundwater.

Project Activities

The proposed remedial action for the vadose zone soil consists of excavation of soil containing TCE and cis-1, 2-DCE above cleanup goals protective of groundwater. The property owner will also record a deed restriction limiting future uses to commercial and/or industrial uses. The project activities will consist of:

1. Removal of two sumps located adjacent to the 3017 Santa Rosa Avenue building. The sump contents (approximately 20 cubic yards) will be placed on plastic sheeting and covered or placed in covered soil bins until it is characterized for disposal. The sumps will be removed, decontaminated, and disposed of or recycled. Excavations for sump removal will be six to eight feet. Shoring measures will be implemented, as appropriate. A California-licensed professional engineer will determine the appropriate shoring method in accordance with the California Business and Professions Code requirements.
2. Soil Excavation. Approximately 1,500 to 3,000 cubic yards of soil will be excavated using a front-end loader. This includes excavation around the former drum storage area and below the sumps. Soil excavation is generally anticipated to depths ranging from approximately 6 to 7 feet below the ground surface. In a few areas of deeper contamination, the soil excavation will extend to 13 to 20 feet, but will stay above the shallow water table. Excavated soil will be placed on and covered with plastic sheeting or placed in covered soil bins until characterized. A grading permit from the City of Santa Rosa will be obtained.
3. Soil samples will be collected and analyzed following excavation to ensure that soil cleanup goals have been achieved.
4. Personal protective equipment will be donned, as required, in a site-specific health and safety plan which complies with Title 8, California Code of Regulations and 29 Code of Federal Regulations, section 1910.120.
5. Soil containing TCE and cis-1,2-DCE above site cleanup goals will be loaded, covered, and transported to an appropriately permitted disposal facility. Approximately 83 to 166 truck trips over two to four weeks would be required to dispose of the excavated soil. A like volume of certified clean backfill soil will be imported to restore the site grade following excavation. This should not significantly impact traffic in the area. If required, a flagman will be used to ensure safety while accessing and exiting the Site. Trucks are expected to use the following route onto Highway 101: (1) travel south on Santa Rosa Avenue; (2) west on Todd Road; and (3) south on Highway 101. Trucks will be controlled to avoid transport during peak commute hours.
6. Excavations will be backfilled and compacted and graded to restore the ground surface.
7. The property owner will also record a deed restriction limiting future uses to commercial and/or industrial uses and precluding use of groundwater underlying the site for drinking water without appropriate treatment to meet drinking water standards.

Name of Public Agency Approving Project: Department of Toxic Substances Control

Name of Person or Agency Carrying Out Project: PES Environmental on behalf of Pacific Indemnity Company, Arnold Carston, Larry Carillo and Richard Clayton

Exempt Status: *(check one)*

- Ministerial (Sec. 21080(b)(1); 15268);
- Declared Emergency (Sec. 21080(b)(3); 15269(A));
- Emergency Project (Sec. 21080(b)(4); 15269(b)(c));
- Categorical Exemption. State type and section number: Title 14, CCR, section 15330
- Statutory Exemptions. State code number: _____
- General Rule (Sec. 15061(b)(3))

Exemption Title: Minor Actions to Prevent, Minimize, Stabilize, Mitigate or Eliminate the Release or Threat of

Release of Hazardous Waste or Hazardous Substances)

Reasons Why Project is Exempt:

The project is a small removal action that costs under \$400,000. A licensed hazardous waste contractor will excavate the approximately 1,500 to 3,000 cubic yards of VOC-impacted soil over four to six weeks. The facility is not on the Hazardous Waste and Substances and Sites (Cortese) List. There are no endangered species, either plant or animal, or sensitive habitat on the Site or in the site vicinity. There are no known cultural resources areas in the vicinity of the site.

Controls measures have been included in the RAP tasks to minimize potential for impact to the environment during the removal and assure that the objectives removal sources of groundwater contamination are achieved as described above. In addition, the following controls will be required to assure that there will not be a significant environmental effect:

1. Dust control measures will comply with the Bay Area Air Quality Management District (BAAQMD) feasible control measures to protect onsite and offsite receptors from chemicals in soil and nuisance dust. These measures include spraying water on the Site, as needed, for dust control and covering stockpiles and trucks. This will also ensure compliance with the Occupational Health and Safety Administration (OSHA) Permissible Exposure Level (PEL) for Nuisance Dust.
2. Site workers will comply with the health and safety requirements of Title 8, California Code of Regulations and 29 Code of Federal Regulations, section 1910.120.
3. The project does not require a Storm Water Pollution Prevention Plan. The work will not take place during the rainy season.
4. Any hazardous waste will be transported by licensed hazardous waste transporters to a hazardous waste disposal facility.
5. The work will be conducted Monday through Friday between 7 a.m. and 6 p.m., which is within the hours allowed under the Santa Rosa City Noise Ordinance.

Janet Naito

Lead Agency Contact Person

(510) 540-3833

Phone #



DTSC Branch Chief Signature

10/8/2004

Date

Barbara J. Cook, P.E. Chief

DTSC Branch Chief Name

Northern California
Coastal Cleanup Operations Branch

DTSC Branch Chief Title

TO BE COMPLETED BY OPR ONLY

Date Received For Filing and Posting at OPR: _____