

DEPARTMENT OF TOXIC SUBSTANCES CONTROL

Site Mitigation and Brownfields Reuse Program

REPORT ON FUNDS ALLOCATED FOR NATIONAL PRIORITIES LIST
AND STATE ORPHAN SITES

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REPORT ON FUNDS ALLOCATED FOR NATIONAL PRIORITIES LIST (NPL) AND STATE ORPHAN SITES

Prepared Pursuant to Provision 2, Item 3960-001-0018, Budget Act of 2001

Pursuant to Provision 2 of Item 3960-001-0018 of the 2001 Budget Act, the Department of Toxic Substances Control (DTSC) is reporting on site investigation and cleanup activities conducted in Fiscal Year (FY) 2001-02 at Federal National Priorities List (NPL) State match and State Orphan Sites.

The Budget Act of 2001 appropriated \$7,326,000 in Site Remediation Account funding. This included \$4,800,000 in General Fund and \$2,526,000 from the Toxic Substances Control Account. As part of DTSC's General Fund reductions for FY 2001-02, the General Fund allocation was cut by \$3,343,000, leaving \$3,983,000 in available funding. This funding is used to first provide State match at NPL sites. The remaining money is allocated to state orphan sites for investigation and cleanup activities that protect public health and the environment. Total expenditures at the sites in FY 2001-02, including direct site work and DTSC staff costs, was \$4,386,144. This includes funding appropriated in FY 2001-02, as well as funding appropriated in previous years, but not yet spent.

This report focuses on activities conducted in FY 2001-02 for the sites listed below. At some of these sites, work is continuing in FY 2002-03. A description of those activities is also included. NPL sites are noted with an asterisk (*) preceding the site name. A glossary of many of the terms used in the report is attached.

Descriptions of Activities at State Orphan and NPL Sites

Northern California - Central:

Site Name: Avenue A, Rosamond

Location: 1.5 miles east of Highway 14, Rosamond, Kern County

description of Site Activities: This 10-acre site consists of undeveloped desert land where dumping and burning of wastes to recover metals previously occurred. This site is located at the Edwards Air Force Base boundary, and is contaminated with lead, zinc, copper, and dioxin/furans. In FY 2001-02, DTSC conducted site characterization activities. In FY 2002-03, DTSC will complete site characterization and prepare a Removal Action Workplan.

***Site Name: Brown & Bryant - Arvin Facility**

Location: 600 South Derby Road, Arvin, Kern County

Description of Site Activities: This 4.7-acre site was used for storage and sale of liquid fertilizer, insecticides, herbicides, fumigants, and defoliants. Soil is heavily contaminated with dinoseb. In FY 2001-02, State matching funds were used for construction of a RCRA cap, a non-RCRA asphalt cap, and the treatment and disposal of wastewater from an above ground tank. In FY 2002-03, DTSC will provide financial support for the operation and maintenance of the caps.

Site Name: Central Valley Fertilizer

Location: 7657 Azusa Road, Dos Palos, Merced County

Description of Site Activities: Central Valley Fertilizer is a 4.3-acre former agricultural chemical manufacturing facility surrounded by single family residences which use private wells for potable water. The site is contaminated with high levels of pesticides in the surface soils. In FY 2001-02, DTSC conducted a remedial investigation and health risk assessment. In FY 2002-03, DTSC will complete the Feasibility Study and prepare a Remedial Action Plan for the site.

Site Name: Chico Airport

Location: 651 and 681 Liberator Street, Chico, Butte County

Description of Site Activities: Victor Industries operated a facility at Chico airport to manufacture flexible tubes and aerosol cans. Soil and groundwater are contaminated with trichloroethylene (TCE) and perchlorethylene (PCE). In FY 2001-02 DTSC conducted soil gas sampling in existing soil vapor extraction wells at the site. In FY 2002-03, implementation of the Remedial Action Plan will be conducted by the City of Chico pursuant to a settlement with DTSC.

Site Name: Chico Groundwater

Location: City of Chico, Butte County

Description of Site Activities: This site consists primarily of a groundwater plume within the City of Chico, contaminated with volatile organic carbons (VOCs) including PCE. Two dry cleaners have been identified as the primary sources of the groundwater plume contamination. DTSC is responsible for agency oversight, repairs, supplies, electricity, and other expenses associated with operating the interim groundwater extraction and treatment that provides source control. In FY 2001-02, DTSC funded operation and maintenance of the pump and treatment system. In FY 2002-03, DTSC will continue to fund operation and maintenance of the system.

Site Name: First Avenue Cleaners

Location: 1082 East 1st Avenue, Chico, Butte County

Description of Site Activities: The site is considered a source area to the Chico Groundwater North-Central Plume. PCE was used by a former dry cleaning business on the site. A municipal well is located three blocks from the site. In FY 2001-02, DTSC funded semi-annual groundwater monitoring. In FY 2002-03, DTSC will continue to fund groundwater monitoring.

Site Name: Fresno Battery Exchange

Location: 1403 East Jensen Avenue, Fresno, Fresno County

Description of Site Activities: Primary contaminants at this battery recycler and lead recovery facility are lead and arsenic. In FY 2001-02, DTSC prepared a workplan for off-site characterization and improved site security. DTSC will complete characterization and prepare a Removal Action Workplan during FY 2002-03.

Site Name: Garden Valley

Location: Garden Valley, El Dorado County

Description of Site Activities: The Garden Valley site is a 16 square mile area in El Dorado County where high levels of asbestos were detected in air samples from the area. One of the major contributors was identified as private roads surfaced with serpentine aggregate containing naturally occurring asbestos. In FY 2001-02, DTSC developed a workplan to perform focused site characterization of one to three selected roads that are surfaced with serpentine rock. Work included evaluation of potential resurfacing materials and the cost of installation and maintenance. In FY 2002-03, the selected roads will be characterized and resurfaced using materials that do not contain asbestos. An air monitoring study will be conducted to assess the effectiveness of resurfacing the roads in reducing asbestos emissions to the air.

Site Name: H.S. Mann Minerals and Metals

Location: 5404 S. Del Rey Avenue, Del Rey, Fresno County

Description of Site Activities: This site formerly operated as a metal recovery facility. Site characterization activities indicate that operational and disposal practices resulted in the contamination of soil and groundwater with heavy metals, including lead. In FY 2001-02, DTSC conducted characterization activities for soil and groundwater and developed a draft Remedial Action Plan for contaminated soil. In FY 2002-03, DTSC will finalize the plan and prepare the Remedial Design and Implementation Workplan.

Site Name: K & D Salvage

Location: 600 South Union Avenue, Bakersfield, Kern County

Description of Site Activities: This 9-acre site was a scrap metal recycling business for approximately 50 years. Land use surrounding this site includes residential, industrial, and commercial. The soil has been contaminated with wastes from transformers and automobiles. Lead is a primary chemical of concern. In FY 2001-02, DTSC prepared a draft Removal Action Workplan to remediate the soil at the site. In FY 2002-03, DTSC will finalize the workplan, prepare the Remedial Design and Implementation Workplan, and conduct the Removal Action cleanup activities.

***Site Name: McCormick & Baxter**

Location: 1214 W. Washington Street, Stockton, San Joaquin County

Description of Site Activities: This 29-acre site is a former wood-preserving facility located in an industrial area near the Port of Stockton. Soil and groundwater are contaminated with dioxin, polycyclic aromatic hydrocarbons (PAHs), arsenic, chromium, and copper. In FY 2001-02, DTSC provided State match funding for this NPL site for installation of a sediment cap in Old Mormon Slough adjacent to the site. In FY 2002-03, installation of the sediment cap will begin.

Site Name: Mobile Smelting

Location: United Street & Reed Road, Mojave, Kern County

Description of Site Activities: This site is an 11-acre parcel where metals were recovered from insulated wire and scrap metal by an incinerator. The site is contaminated with lead and dioxin, and dioxin has migrated off site by airborne dispersion. In FY 2001-02, DTSC conducted off-site dioxin sampling. In FY 2002-03, DTSC will continue to work on the Remedial Investigation, Risk Assessment and Feasibility Study for the site using funds recovered from potentially responsible parties.

***Site Name: Modesto Groundwater**

Location: Modesto, Stanislaus County

Description of Site Activities: The Modesto Groundwater site consists of soil and groundwater contaminated by a dry cleaning facility. The site is contaminated with volatile organic compounds (VOCs). Contaminated groundwater is extracted and treated with activated carbon followed by air stripping. Soil vapor extraction (SVE) is also being conducted on soil at the source area. The remedial actions are being conducted pursuant to an interim Record of Decision issued by U.S. EPA. In FY 2001-02, DTSC funded its State match (10%) funds for this NPL site of the operation and maintenance costs of both the groundwater treatment and SVE systems. In FY 2002-03, DTSC will continue to provide funding of the groundwater pump and treatment system, and the SVE system.

Site Name: Orchard Supply

Location: 1731 17th Street, Sacramento, Sacramento County

Description of Site Activities: This site has operated as an agricultural chemical retail and wholesale outlet. Past operations resulted in the contamination of soil and groundwater with pesticides, metals and petroleum hydrocarbons. In FY 2001-02, DTSC completed removal of the contaminated soils, back-filled the excavations with clean soil and re-paved the site. In FY 2002-03, DTSC will conduct groundwater characterization activities.

Site Name: Sacramento Plating

Location: 2809 "S" Street, Sacramento, Sacramento County

Description of Site Activities: Three plating shop businesses operated at this location with resulting contamination of trichlorethylene, copper, and chromium. The City of Sacramento had the buildings demolished in 1995 as a public health nuisance. DTSC completed soil cleanup in 1998. In FY 2001-02, DTSC conducted groundwater monitoring. DTSC will continue to fund groundwater monitoring in FY 2002-03.

Site Name: Selma Electroplating

Location: 2336 Chandler Street, Selma, Fresno County

Description of Site Activities: This site operated as an electroplating shop that rebuilt batteries and conducted metal finishing and polishing. Contaminants detected in soil samples include arsenic, barium, copper, lead, and cyanide. Most structures have been removed from the property. In FY 2001-02, DTSC prepared a site characterization workplan. In FY 2002-03, DTSC will fence the site, complete the site characterization, and prepare a Removal Action Workplan.

***Site Name: Selma Pressure Treating**

Location: 1735 Dockery Avenue, Selma, Fresno County

Description of Site Activities: The Selma Pressure Treating is a 40-acre former wood preserving treatment facility. There are 12 residences and businesses near the site. Soils and groundwater are contaminated with polychlorinated biphenyl, volatile organic compounds, and metals such as chromium, arsenic, and copper. A groundwater extraction and treatment system is operating at the site. U.S. EPA is conducting a feasibility study for the soil operable unit. In FY 2001-02, pursuant to a State Superfund Contract, DTSC provided State match (10%) funding of upgrades and operation and maintenance for the groundwater treatment system. In 2002-03, DTSC will continue to provide funding for the groundwater treatment system.

Site Name: S.R. Kilby

Location: 2021 15th Street West, Rosamond, Kern County

Description of Site Activities: The property was contaminated with lead slag waste, which includes lead, arsenic, mercury and chromium. In FY 2001-02, DTSC conducted site characterization activities. In FY 2002-03, DTSC will complete the site characterization and prepare a Removal Action Workplan and Design.

Site Name: Valley Plating

Location: 3920 El Cajon Avenue, Shasta, Shasta County

Description of Site Activities: This site is a former electroplating facility with groundwater that is contaminated with hexavalent chromium and zinc. DTSC previously conducted cleanup of the soils at the site. In FY 2001-02, DTSC conducted groundwater monitoring. DTSC will continue to conduct groundwater monitoring in FY 2002-03.

Site Name: World Radiator

Location: 8336 Skyway, Paradise, Butte County

Description of Site Activities: This site is a former automobile radiator and air conditioner repair facility. Ethylene glycol and metals were released to the soil and from the site septic system. In FY 2001-02, a workplan was developed to begin site characterization of soils and groundwater and the site was fenced and posted. In FY 2002-03, contaminated septic system waste and containers of waste material will be removed and soil and groundwater contamination will be characterized.

Northern California – Coastal

Site Name: Carlson Property

Location: APN 513-10-020, Richmond, Contra Costa County

Description of Site Activities: This 2.5-acre site was used by the Pullman Company in the early 1900's to refurbish railroad cars by sandblasting them prior to repainting. This resulted in lead contamination in soils. The site is adjacent to a low income housing community. DTSC has excavated the contaminated soil and disposed of it at a permitted off-site disposal facility. The site was backfilled with clean soil and landscaped.

Site Name: Cook Battery

Location: 139 Hill Avenue, Oakley, Contra Costa County

Description of Site Activities: This site is located in a residential neighborhood and was previously used for the recycling of lead-acid batteries, resulting in lead contaminated soils. The site is capped and the underlying groundwater is being monitored to ensure that lead had not migrated to it. In FY 2002-03, DTSC will inspect the cap, conduct any necessary repairs, and close the existing monitoring wells.

Site Name: K & L Plating – 89th Avenue

Location: 981, 989 & 995 89th Avenue, Oakland, Alameda County

Description of Site Activities: This is the site of a former electroplating company. Poor management practices contaminated the soil and building structures with acids, caustics, and metals. Chlorinated solvents from a historical auto repair facility have impacted the underlying groundwater. In prior years, DTSC conducted several removal activities to stabilize the site including removal of plating tank contents, unused chemicals, and all soils above residential cleanup levels. DTSC will develop a workplan to further characterize the underlying groundwater. DTSC evaluated methods to clean the existing building structures, it has been determined no cleanup activities could achieve the established cleanup standards. In FY 2002-03, DTSC will demolish the existing building structures and implement the groundwater investigation.

Site Name: K & L Plating – Pearmain

Location: 10301, 10319, 10323 Pearmain Street, Oakland, Alameda County

Description of Site Activities: This site is the location of a former electroplating company and operated similarly to the K & L Plating facility at 89th Avenue. The surrounding area is a mixed residential/industrial area. DTSC evaluated methods to clean the buildings, but was not able to achieve the established cleanup standards throughout. In FY 2002-03, DTSC will remove limited concrete areas in the buildings so that contaminated areas can be removed.

Site Name: Mangels Ranch

Location: 287 Suisun Valley Road, Fairfield, Solano County

Description of Site Activities: This site was a former cattle ranch and orchard. Due to past cattle dipping practices, the shallow soils have been contaminated with toxaphene. The property has not been rezoned and residential development is occurring across the street. DTSC completed the site characterization, prepared and approved a Removal Action Workplan. In FY 2002-03, DTSC will remove all elevated levels of toxaphene above the residential standards and dispose of the material off-site.

Site Name: Midway Village/Bayshore Park

Location: Midway Drive & Schwerin Street, Daly City, San Mateo County

Description of Site Activities: Soils on these properties were contaminated with Polynuclear Aromatic Hydrocarbons generated by a manufactured gas plant in the early 1900s. The site includes a low-income housing complex, on-site day care, preschool, before and after-school care, and a community park. DTSC removed and disposed at a permitted off-site disposal facility all contaminated soils in the upper five feet at Midway Village and two feet at Bayshore Park. The properties were landscaped and the city park was restored. DTSC also conducted indoor air sampling to demonstrate that the underlying contamination was not migrating into the homes or nearby schools.

Site Name: Reicheldt Junkyard

Location: 521 & 551 West Gertrude Avenue, Richmond, Contra Costa County

Description of Site Activities: This site is a junkyard that stored automobiles and other miscellaneous materials. DTSC began the development of a site characterization workplan to determine the extent of soil and potential groundwater contamination. In FY 2002-03, DTSC will finalize and implement the workplan.

Site Name: Roberts Tire

Location: 4311-4333 MacArthur Boulevard, Oakland, Alameda County

Description of Site Activities: This site was used as a gas station, tire and battery shop, and an auto body paint shop from the early 1940s until 1976, resulting in lead contamination. DTSC approved a Removal Action Plan to conduct an interim removal of elevated levels of lead from surface soil. In FY 2002-03, DTSC will conduct this removal action. The need for additional site investigations will also be determined.

Site Name: San Leandro Blvd.

Location: Adjacent to 2481 San Leandro Boulevard, San Leandro, Alameda County

Description of Site Activities: This site lies within the San Leandro Regional Plume. Due to a fire, a solvent release occurred causing a localized hot spot area where elevated levels of solvents were identified. DTSC developed a Removal Action Workplan requiring a hot spot soil removal. In FY 2002-03, the workplan will be implemented.

Site Name: San Leandro Regional Plume

Location: Floresta Avenue, San Leandro, Alameda County

Description of Site Activities: The San Leandro Regional Plume is a 2 square mile area containing elevated levels of chlorinated solvents. A large number of private wells exist on the industrial and residential properties overlaying the plume. DTSC began developing a pilot study to determine the effectiveness of using in-situ bioremediation for the contaminated groundwater. In FY 2002-03, DTSC will conduct the pilot study.

Site Name: San Leandro Residential Area

Location: Floresta Avenue, San Leandro, Alameda County

Description of Site Activities: This site lies within the San Leandro Regional Plume. Historic site sampling suggested that a source area existed within this residential area. DTSC developed a groundwater sampling plan to determine potential sources of contamination. In FY 2002-03, DTSC will implement the sampling plan.

Site Name: San Leandro Plume Toe

Location: Dolittle Avenue, San Leandro, Alameda County

Description of Site Activities: Historically, Dolittle Avenue has been identified as the toe of the San Leandro Regional Plume. DTSC drafted a workplan to install monitoring wells to confirm this finding. In FY 2002-03, DTSC will implement this workplan.

Southern California:

Site Name: Alco Pacific

Location: 16914 South Broadway, Carson, Los Angeles County

Description of Site Activities: This site is a lead smelter and recycler of lead/acid batteries and is located in an industrial/commercial area of Carson. In FY 2001-02, DTSC conducted site characterization activities and a risk assessment for the site. The soil is contaminated with elevated heavy metals, primarily lead. During FY 2002-03, DTSC will develop and implement a Removal Action Workplan to address the contamination found in the soil.

Site Name: Cudahy City Park

Location: 5220 Santa Ana Street, Cudahy, Los Angeles County

Description of Site Activities: This site is a park adjacent the Park Avenue Elementary School. In FY 2001-02, DTSC conducted site characterization activities and a Risk Assessment on the site. The soil is contaminated with elevated lead levels and Polycyclic Aromatic Hydrocarbons. The property is owned by the City of Cudahy, which does not have a source of funding to investigate or clean up the site. During FY 2002-03, DTSC will be developing a Removal Action Workplan and conduct excavation of contaminated soils.

Site Name: Dave's Auto Service

Location: 10438 Mission Gorge Road, Santee, San Diego County

Description of Site Activities: This site consists of auto repair services and parking. Soils are contaminated with high levels of lead. DTSC conducted a site investigation and developed a Removal Action Workplan. In FY 2002-03, DTSC contractors will conduct a soil removal action.

Site Name: Gardena Sumps

Location: Southwest Corner of Artesia Boulevard and Normandie Avenue, Gardena, Los Angeles County

Description of Site Activities: This site is a former oil refinery dump. More recently, a light manufacturing and equipment storage facility operated on a portion of the site. Because the responsible party was not viable, DTSC has taken over monitoring and maintenance of the sumps. DTSC conducted yearly groundwater monitoring and repaired the cap that covers the sumps. Recent groundwater results detected contaminants that exceed the maximum contaminant levels for drinking water. In FY 2002-03, DTSC will conduct groundwater monitoring.

Site Name: Hard Chrome Products

Location: 617 East 56th Street, Los Angeles, Los Angeles County

Description of Site Activities: This site is a former plating facility and is located directly across from the Jefferson New Middle School. DTSC conducted a Remedial Investigation. Soil and groundwater are contaminated with high levels of hexavalent chromium. In addition, VOCs have been found in the groundwater. During FY 2002-03, DTSC will be developing a Risk Assessment/Feasibility Study, and a Removal Action Workplan to address soil contamination.

Site Name: J & S Chrome Plating

Location: 6863 Florence Place, Bell Gardens, Los Angeles County

Description of Site Activities: This site is a former chrome plating facility located in a mixed residential, commercial and industrial area of Bell Gardens, and borders Suva Elementary School. DTSC conducted a site characterization on the northern portion of the site. In FY 2002-03, DTSC will conduct a site characterization of the soils in the southern portions of the site, a groundwater investigation, and a risk assessment.

Site Name: Renu Plating Company, Inc.

Location: 1531 East 32nd Street, Los Angeles, Los Angeles County

Description of Site Activities: This site is a former plating facility. It borders the Nevin Avenue Elementary School and is contaminated with the heavy metals cadmium, copper, cyanide, and lead. DTSC is performing a site characterization of this former plating facility. At the request of DTSC, the City of Los Angeles Building Department plans to inspect the building for structural stability in order to proceed with the environmental investigation.

***Site Name: San Gabriel Valley Superfund Site – Whittier Narrows Operable Unit**

Location: 331 North Durfee Avenue, South El Monte, Los Angeles County

Description of Site Activities: DTSC provided State match (10%) funding part for the construction of the groundwater treatment plant. The groundwater treatment facility went on line in June 2002. The plant treats approximately 11,000 gallons of contaminated groundwater per minute. Negotiations are in the final stages with the City of Whittier to take over operation of the groundwater treatment plan for the first ten years.

GLOSSARY OF TERMS

Feasibility Study (FS)

An evaluation of the alternatives for the remediation of any identified soil or groundwater contamination. Remediation refers to a cleanup method used to remove or contain a toxic spill or hazardous materials, and can include removal, treatment and encapsulation of wastes.

Health Risk/Endangerment Assessment

A health risk assessment is a document that describes the possible adverse health effects which may result from exposure to contaminants.

Operable Unit (OU)

A term used for each of a number of separate activities undertaken as part of a Superfund cleanup. A typical operable unit would be the removal of drums and tanks from the surface of the site.

Operations and Maintenance (O&M)

These are activities that must be maintained or monitored after a site has been remediated in order to protect public health or safety or the environment. They include such things as maintaining an asphalt cap or monitoring groundwater wells.

Polynuclear Aromatic Hydrocarbons (PNAs or PAHs)

PNAs or PAHs are natural constituents of crude oil, and also may be formed when organic materials such as coal, oil, fuel, wood or even foods are not completely burned. PNAs are also found in lampblack, a by-product of the historic gas manufacturing process. PNAs are found in a wide variety of other materials including diesel exhaust, roofing tars, asphalt, fireplace smoke and soot, cigarettes, petroleum products, some foods, and even some shampoos. PNAs tend to stick to soil, do not easily dissolve in water, and generally do not move in the environment. The test method used to analyze for PNAs detects 17 different compounds, seven of which are suspected of causing cancer in humans.

Record of Decision (ROD)

This is a public remedy selection document that explains the cleanup methods that will be used at a Superfund site, based upon United States Environmental Protection Agency studies, public comments, and community concerns.

Remedial Action Plan (RAP)

This is a document that explains the reasons for selecting a cleanup alternative for a contaminated site. A key element of a RAP is to provide the public with an opportunity to comment on the proposed cleanup remedy. DTSC is required to consider all comments before approving the final RAP.

Remedial Investigation (RI)

This is a series of investigations and studies that identify the types and extent of chemicals of concern at the site and to determine cleanup criteria.

Remedial Design (RD)

Remedial Design is the detailed engineering plan to implement the remedial action alternative approved by DTSC.

Remedial Design & Implementation Workplan (RD&IW)

Remedial Design is the detailed engineering plan to implement the remedial action alternative approved by DTSC. The Implementation Workplan is the document that provides timelines for completing the activities that are established by the Remedial Design.

Site Characterization

A location-specific or area-specific survey conducted to characterize physical, chemical, and/or biological attributes of an area; such surveys may be conducted at different times during the course of a project to provide information on how these attributes may change over time.

Soil Vapor Extraction

A process that is used to extract chemical vapors from the soil by applying a vacuum to wells that have been placed in the ground.

Volatile Organic Compounds (VOCs)

These are organic liquids, including many common solvents, that readily evaporate at temperatures normally found at ground surface and at shallow depths. They take part in atmospheric photochemical (sun-driven) reactions to produce smog.