

Fact Sheet, June 2011



DEPARTMENT OF
TOXIC SUBSTANCES
CONTROL

*The mission of the
Department of Toxic
Substances Control
is to provide the
highest level of safety,
and protect public
health and the
environment from
toxic harm.*



State of California



Cal/EPA

Closure Plan Available for Review Crane Company, Hydro-Aire Division

Introduction

The Department of Toxic Substances Control (DTSC) invites you to review and comment on the draft "Closure Plan for Former Plating Room and Wastewater Treatment System Areas" (draft Closure Plan) for the Crane Company, Hydro-Aire Division (Hydro-Aire) facility. The Hydro-Aire facility is located at 3000 Winona Avenue in Burbank, approximately a quarter mile east of the Bob Hope Airport, in Los Angeles County. The U.S. Environmental Protection Agency (EPA) identification number for this facility is CAD008388720.

The Closure Plan provides information about the facility and a plan for collection and analysis of soil and soil gas samples to determine volatile organic compound (VOC) concentrations. Evaluation of the new VOC data in conjunction with the results of previous investigations will be used to determine if closure of the former plating room and wastewater treatment system areas has at this point achieved human health risk standards. The sample results will be compared to California Human Health Screening Levels (CHHSLs) and EPA Region 9, Regional Screening Levels (RSLs). It is anticipated that the results will confirm that industrial use standards have been met, so a Land Use Covenant is proposed as part of the closure.

PUBLIC COMMENT PERIOD **June 30, 2011 to August 2, 2011**

The 30-day public comment period will begin on June 30, 2011, and ends August 2, 2011. DTSC encourages you to review and comment on the draft Closure Plan. All comments should be submitted no later than August 2, 2011. Please submit comments to:

Paul Ruffin

Department of Toxic Substances Control

8800 Cal Center Drive

Sacramento, CA 95826-3200

pruffin@dtsc.ca.gov

A Public Hearing has not been scheduled, but one will be considered if one is requested. To request a Public Hearing, please contact Jesus Cruz Public Participation Specialist, at (866) 495-5651, or e mail JCruz@dtsc.ca.gov (more information on Page 4).

Para información en español, llame a Jesus Cruz al (866) 495-5651



Hydro-Aire Facility Description

The facility encompasses approximately 11 acres in an industrial area of the City of Burbank.

Aviation and aeronautical equipment have been manufactured at the facility since 1946.

Electroplating operations began in 1951 and in February 1985, an automated wastewater treatment system was installed as an integral part of the plating line. The plating and wastewater treatment operations were discontinued in February 1991. The former plating room and the former wastewater treatment system were located at the south end of Building 1, which is located in the northwest quadrant of the facility (see figure on Page 4). Several office and manufacturing buildings occupy the central and northern portions of the facility and paved parking areas are located in the eastern and southern portions.

Former Plating Room and Wastewater Treatment Unit

The former plating room was approximately 1,700 square feet in area (66 feet by 26 feet). The former plating room consisted of tanks containing solutions for the electroplating of nickel, cadmium, and chromium. There were additional tanks for cleaning and rinsing the surfaces of metal being plated. All storage tanks associated with the former plating operations were above ground and were removed in 1983 and during the plating room demolition in 1991 and 2001. The components of the wastewater treatment system consisted of a chromium reduction tank, a neutralization tank, a flocculation tank (particulate removal tank), clarifiers, a filter press system, and a cyanide destruct tank. The wastewater treatment unit was also removed.

During demolition of the former plating room in 2001, a 6-foot diameter stained area of the concrete slab near the cadmium tank was removed. Soil beneath the concrete slab of the plating room was excavated to a depth of 2 feet below the slab. One area in the central portion of the former plating room was excavated to a depth of 5 feet below the slab to remove discolored soils.

Clean fill soil was imported to the site in June 2001 and subsequently placed and compacted in the former plating room, bringing ground surface inside the room to approximately the level of the base of the former slab. In late 2005, a new 8-inch thick, sealed and reinforced concrete slab was poured in the former plating room.

Previous investigations identified hexavalent chromium and cadmium as chemicals of potential concern in soils beneath the former plating room. In June 2004 and February 2005, additional soil assessments at the former plating room were conducted to evaluate the distribution of metals and to assess the potential presence of VOCs, and cyanide. The results of these investigations were:

- Hexavalent chromium concentrations in soil samples ranged up to 5.6 milligrams per kilogram (mg/kg), which is: above the site background concentration and the RSL for residential use (0.29 mg/kg); equal to the RSL for industrial use (5.6 mg/kg); and, below the CHHSLs for residential (17 mg/kg) and industrial use (37 mg/kg).
- Cadmium concentrations ranged up to 60.8 (mg/kg), which is above CHHSLs for residential use (1.7 mg/kg) and industrial use (7.5 mg/kg). However, the calculated 95 percent upper confidence level (95% UCL) of the mean for cadmium from depths 0-25 feet below ground surface (bgs) is 5.1 mg/kg, which is comparable to the industrial use CHHSL.
- The elevated concentrations of cadmium and hexavalent chromium in soil beneath the former plating room do not extend beyond the former plating room.
- Low concentrations of benzene, perchloroethylene (PCE), and toluene were reported in two soil samples. Benzene and PCE concentrations were above one or both of the RSLs for groundwater protection but below the RSLs for industrial and residential soils. Toluene was below the RSLs criteria.

In October 2005, a groundwater monitoring well (MW-6) was installed adjacent to the former plating room to assess potential impacts of metals to groundwater. Groundwater in this well has been monitored semi-annually since November 2005 and results indicate no impacts of metals to groundwater from the former plating operations.

Current Closure Plan Activities

Soil samples will be collected from 4 depths at 2 locations in the vicinity of the former wastewater treatment system and analyzed for VOCs. Soil gas samples will be collected at 3 depths at 3 locations in the vicinity of the former plating room and 2 locations in the vicinity of the former wastewater treatment system and analyzed for VOCs. Soil and soil gas sample collection activities are anticipated to be accomplished in less than two weeks. No soil removal is planned as part of these closure activities. A Closure Report will be prepared to present the results of the sample analysis and the risk evaluation.

Investigation-derived waste, including soil cuttings and equipment rinse water, will be placed in 55-gallon steel drums. The drums will be held in a secure on-site location for characterization and subsequent disposal at an authorized location. Used personal protective equipment and disposable equipment will be placed in a municipal refuse dumpster on site. A site-specific health and safety plan was prepared for the field activities.

Closure Performance Objective

The general performance objective for closure is to control or eliminate the escape of hazardous constituents, to protect human health and the environment, and to minimize the need for further maintenance. The sample results obtained during closure will be evaluated by comparison to human health risk screening values for residential and for industrial use. Based on the screening results, the soil and soil gas results may be further evaluated using other risk-based criteria.

Land Use Covenant

A draft Land Use Covenant (LUC) or “Covenant and Environmental Restriction on Property” has been prepared because it is anticipated that hazardous constituents will remain in soil at concentrations that are not acceptable for unrestricted use of the property. The draft LUC may be revised based on the risk evaluation in the Closure Report. The LUC will restrict the future use of the property to industrial and commercial activities. Residences and other sensitive uses, such as day-care and hospitals, will be prohibited.

Closure Plan Administrative Process

DTSC reviewed the draft Closure Plan and issued a technical completeness determination letter to Hydro-Aire on August 19, 2010. DTSC will hold a 30-day public comment period to allow for public input on the draft Closure Plan. DTSC staff are prepared to answer questions from the public. DTSC may hold a public hearing upon request.

After the public comment period has closed, DTSC will review all comments received and will issue a formal Response to Comments document and a notice of DTSC’s decision on the Closure Plan. DTSC will either:

1. Approve the Closure Plan unchanged,
2. Approve the Closure Plan with conditions, or
3. Reject the Closure Plan for revision by Hydro-Aire.

The Response to Comments and notice of decision will be sent to all persons who provided comments and will also be placed on DTSC’s website in EnviroStor..

California Environmental Quality Act

Approval of the Closure Plan by DTSC constitutes a project per California Code of Regulations, title 14, section 15678. DTSC is subject to the requirements of the California Environmental Quality Act (CEQA) for its decisions on this project.

DTSC has evaluated the potential for implementation of the Closure Plan to have an impact on the environment. Based on this evaluation DTSC has prepared a Notice of Exemption. The Notice of Exemption concludes that the project has no possibility of a significant impact on the environment.

Information Repositories

The full Hydro-Aire facility administrative record is available for review at DTSC's Cal Center Office. Copies of the draft Closure Plan, Land Use Covenant, Notice of Exemption, and other project related documents can be found at the Information Repositories below:

Burbank Central Library Reference Desk
110 N. Glenoaks Blvd.
Burbank, California 91502
Phone (818) 238-5600

DTSC Cal Center Office
8800 Cal Center Drive
Sacramento, California 95826-3200
(916) 255-3758 – Call for an appointment

Many of the documents contained in the administrative record are also available on the DTSC website www.dtsc.ca.gov through the EnviroStor Database at the following link:

http://www.envirostor.dtsc.ca.gov/public/hwmp_profile_report.asp?global_id=CAD008388720

Contact Information

For questions regarding the draft Closure Plan, draft LUC, or Notice of Exemption, contact Paul Ruffin, DTSC project manager, at (916) 255-6677 or at PRuffin@dtsc.ca.gov.

For questions regarding the public participation process, contact Jesus Cruz, Public Participation Specialist at (866) 495-5651 or e mail, JCruz@dtsc.ca.gov.

For media questions, please contact Charlotte Fedipe, DTSC Public Information Officer, at (916) 323-3395 or e mail CFedipe@dtsc.ca.gov.

Notice to Individuals with Hearing Impairment

TDD users can obtain information about the site by using the California State Relay Service (888) 877-5378. To reach the Public Participation Specialist call Jesus Cruz at (916) 255-3315.

