

Draft Removal Action Workplan for Area F

Public Comment Period: February 6, 2004 to March 8, 2004

DTSC is one of six Boards and Departments within the California Environmental Protection Agency. The Department's mission is to restore, protect and enhance the environmental quality and economic vitality, by regulating hazardous waste, conducting and overseeing cleanups, and developing and promoting pollution prevention.

State of California



*California
Environmental
Protection Agency*



The Department of Toxic Substances Control (DTSC) invites you to review and comment on a proposed plan to clean up chemicals in the groundwater at Wyle Laboratories Norco Facility (Wyle) located at 1841 Hillside Avenue in the City of Norco, California. The proposed cleanup plan, called the Draft Removal Action Workplan (Draft RAW), proposes groundwater extraction and treatment to contain and control contamination found in groundwater beneath the site. In addition, we have prepared a Notice of Exemption (NOE) for this project pursuant to the California Environmental Quality Control Act (CEQA). The NOE explains why the activities included in the RAW will not have a significant negative effect on the environment and why they are exempt from CEQA.

Site History and Background

Wyle is a testing facility that serviced the defense, aerospace and manufacturing industries. It consists of 429 acres of land. Wyle started operations in 1957 on the western portion of the site, and then progressed with development across the site in an eastward direction. The Site is divided geographically into several areas, identified by letters (e.g., Areas A, B, etc.). Each Site area typically consists of one or more small buildings, structures and/or outdoor testing areas built for certain testing procedures and to house specific testing apparatus.

Wyle activities at the site included use of hazardous substances such as chlorinated solvents, petroleum hydrocarbons, explosives and munition residues and rocket motor fuels. Wyle's operations at the site have resulted in the release of hazardous substances to soil in localized areas and ground water.

Public Comment Period
February 6 - March 8, 2004

You may send us written comments on the cleanup plan during this comment period.

Please see Page 3 for information on where to find the documents and how to submit comments

From 1999 to mid-2003, the California Regional Water Quality Control Board - Santa Ana Region (RWQCB) was involved with subsurface investigations and some limited cleanup actions conducted at the Site. The Site cleanup responsibility was transferred to DTSC in Mid-2003. On October 3, 2003, DTSC executed Consent Order (Order) with Wyle and Arrow Electronics, Inc. to address surface and subsurface contamination at the Site. The Order requires full Site-wide characterization and cleanup, if necessary. In addition, DTSC issued a Unilateral Order to CRV SC Norco Partners, L.P., the current property owner.

DTSC requested a site boundary assessment to evaluate if contaminants on the Site are migrating offsite, and to assess current/future risk to the surrounding community from Site related contaminants. In addition, an interim measure to contain and control a known source of groundwater contamination in Area F of the Site will be implemented by Wyle with our oversight. The RAW, subject of this fact sheet, includes the groundwater interim measure.

Additional site investigation/cleanup activities required for the Site are specified in the Order.

What Chemicals Were Found

Site investigations prior to DTSC's involvement revealed the presence of Tetrachloroethylene (TCE), Perchloroethylene (PCE) Perchlorate, Dichloroethane and Nitrosodimethylamine (NDMA). These chemicals came from Wyle's practices of testing products for their clients.

Why and How Will it Be Cleaned Up

The objectives of the RAW are 1) to prevent further migration of contaminants in ground water from Area F sources; 2) control the

release of contaminated groundwater to the stream that runs through the property and 3) promote natural degradation of groundwater downgradient of Area F.

The draft RAW identifies and screens possible removal action alternatives, based on their effectiveness, feasibility, and cost. Five removal action alternatives were evaluated:

Alternative 1-No Action

Alternative 2-Monitored Natural Attenuation

Alternative 3-High Vacuum 2-PHASE Extraction and Treatment

Alternative 4-In situ enhanced reduction by Hydrogen Release Compounds (HRC)

Alternative 5-High Vacuum 2-PHASE Extraction and Treatment with In Situ Enhanced Reduction by HRC

Based on the removal action selection process, Alternative 5, High Vacuum 2-PHASE Extraction and Treatment with In Situ Enhanced Reduction by HRC has been selected as the proposed preferred alternative. The implementation of the recommended removal action, alternative 5, will be conducted under our oversight. It is anticipated that this alternative will be implemented over a 12-month time period. Prior to implementing the removal action, site preparation activities will include obtaining required permits, and installation of deeper monitoring wells and HRC borings.

Following site preparation activities, extraction wells and treatment units will be installed near the appropriate cleanup areas to treat the extracted soil vapor and groundwater. Each treatment unit will consist of two 1000-pound vapor phase Granular Activated Carbon (GAC) vessels installed in series to treat the extracted vapor and two 500-pound liquid phase GAC vessels installed in series to treat extracted groundwater. During operation, the treatment system will be monitored to demonstrate its effectiveness. In addition

HRC injection would be conducted to enhance natural degradation of contaminants in groundwater, if any, before it reaches the stream.

The treated soil vapors will be discharged to the atmosphere under a South Coast Air Quality Management District permit. A permit for discharge of treated groundwater to the stream will be obtained RWQCB prior to start of operation. The discharge limits for treated groundwater will be specified in the permit. If treated water concentrations show detectable concentrations of perchlorate and/or NDMA, an ion exchange resin bed will be installed to further treat the perchlorate prior to discharge to the ephemeral stream.

It is intended that the extraction systems will operate on a 24-hour basis. The site will be inspected weekly to make the necessary repair and monitoring. Extracted ground water and soil vapor will be analyzed periodically. No significant impact to the surrounding community is anticipated from operation of the cleanup system.

How Can You Give Us Comments On the Proposed Cleanup Plan?

The 30-day comment period begins on February 6, 2004 and ends March 8, 2004. During this time you can review and send comments and/or questions to us on the proposed cleanup plan. After the comment period ends, we will evaluate your comments and make any necessary changes to the plan. Comments concerning the Draft RAW may be submitted in writing to:

Mr. Shahir Haddad, Project Manager
DTSC
5796 Corporate Avenue
Cypress, California 90630

Additionally, your comments can be submitted via email to the Project Manager

at shaddad@dtsc.ca.gov. All comments must be postmarked by March 8, 2004.

Where You Can Review the Draft RAW and NOE

A copy of the draft RAW, NOE and other project related documents are available for public review at the following locations:

Norco City Hall
2870 Clark Avenue
Norco, California

Corona Library
650 South Main Street
Corona, California

Department of Toxic Substances Control
5796 Corporate Avenue
Cypress, California
714-484-5300
Ms. Julie Johnson

For More Information

Should you have any additional questions about the RAW, please contact

Mr. Derrick Alatorre,
DTSC, Public Participation Specialist by
phone at 714-484-5474 or by
e-mail at dalatorr@dtsc.ca.gov.

For all media inquiries, please contact Ms. Jeanne Garcia, Public Information Officer, 818-551-2176.

Notice to the Hearing Impaired

TDD users can use the California Relay Service (1-888-877-5378) to reach DTSC Project Manager, Mr. Shahir Haddad at 714-484-5368.



Mr. Derrick Alatorre
Public Participation Specialist
State of California
Department of Toxic Substances Control
5796 Corporate Avenue
Cypress, CA 90630

**INSIDE: INFORMATION ON WYLE LABORATORIES, INC.
NORCO, CALIFORNIA**