



Terry Tamminen  
Agency Secretary  
Cal/EPA



## Department of Toxic Substances Control

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Edwin F. Lowry, Director  
5796 Corporate Avenue  
Cypress, California 90630



Arnold Schwarzenegger  
Governor

May 18, 2004

Ms. Conny B. McCormick  
Registrar-Recorder/County Clerk  
County of Los Angeles  
12400 Imperial Highway, 2nd Floor, Room 2001  
P.O. Box 53592  
Norwalk, California 90650

CEQA DOCUMENTS FOR THE HEIL SEPARATOR AREA, UNION CARBIDE  
DISTRIBUTION FACILITY, 19500 MARINER AVENUE, TORRANCE, CALIFORNIA

Dear Ms. McCormick:

As Mr. Johnson P. Abraham of the Department of Toxic Substances Control (DTSC) discussed with Mr. Arnold Salazar of your office, enclosed are two (2) copies of the California Environmental Quality Act (CEQA) documents regarding the subject site. Enclosed also is a Check for \$25.00. Please stamp one of the copies and return to DTSC, so that we will be able prove that the notice was filed with your agency. We anticipate finalizing the CEQA documents by June 19, 2004, following a 30-day public comment period. Comments concerning the CEQA documents should be submitted to DTSC in writing to Mr. Johnson P. Abraham, DTSC Project Manager. Comments must be post marked no later than June 19, 2004.

If you have any questions or need any further assistance regarding the subject document, please contact Mr. Johnson Abraham at (714) 484-5476.

Sincerely,

Greg Holmes  
Unit Chief  
Southern California Cleanup Operations  
Cypress Office

Enclosures

**COUNTY CLERK NOTIFICATION OF THE PREPARATION OF AN ENVIRONMENTAL DOCUMENT  
PURSUANT TO THE CALIFORNIA ENVIRONMENTAL QUALITY ACT**

**To:** County Clerk  
County of Los Angeles  
12400 Imperial Highway; Room 2001  
Norwalk, CA 90650

**From:** Department of Toxic Substances Control  
Southern California Cleanup Operations Branch  
5796 Corporate Avenue  
Cypress, CA 90630

This Notice is being sent to your office as required of the Department of Toxic Substances Control pursuant to California Public Resources Code (PRC) section 21092 and section 21092.3. As specified in PRC section 21092.3, notices for an Environmental Impact Report (EIR) must be posted in the office of the county clerk of each count in which the project will be located. Such notices for an EIR are required to remain posted for a period of 30 days. In addition, notices for a Negative Declaration are required to be posted for a period of 20 days, unless otherwise required by law to be posted for 30 days. The county clerk is required to post these notices within 24 hours of receipt.

**TYPE OF DOCUMENT:**

- Notice of Preparation
- Draft Environmental Impact Report
- Draft Negative Declaration

Project Name: Heil Separator Area, Union Carbide Torrance Terminal Facility

Site Address: 19500 Marincer Avenue (between Hawthorne Blvd. and Prairie Ave.)

City: Torrance State: CA Zip Code: 90503 County: Los Angeles

**Project Description:**

This project provides for approval and implementation of a draft Removal Action Workplan (RAW) for remediation work at the Heil Separator Area, UCC Torrance (Mariner Avenue) Terminal Facility. The RAW is being performed under the terms of UCC's Voluntary Cleanup Agreement (VCA) with the California Department of Toxic Substances Control (DTSC). UCC has agreed to work cooperatively with the DTSC under a VCA to address environmental impacts at the facility from a historic release of a hydrocarbon mixture known as dripolene, which was a by-product formerly produced at the facility during the production of ethylene.

The RAW is a document that details the steps to be taken in the implementation of the selected remedial response actions at the site identified in a Feasibility Study (FS) (URS, 2003a) that was completed in August 2003 and approved by DTSC. The FS identified enhanced free product recovery, and monitored natural attenuation (MNA) or other in-situ technologies as the preferred remedial alternative for the site. The RAW describes the process of implementation of these remedial response actions.

Free product recovery will be accomplished using a combination of manual bailing techniques and an automatic free product recovery system. UCC will perform a pilot test using an automated free product recovery system to obtain information for optimized recovery of DNAPL. Information from the pilot test will be used to select the most appropriate pump controller setpoints (e.g. pump on and off cycle times) to maximize pump flow rates. UCC will install and operate the automated free product recovery system if the pilot test demonstrates that more free product can be recovered with the automated system than with bailing or passive skimmers. The automated system will consist of a dedicated submersible "product only" pneumatic pump, pump controller, storage drum, and high-level shutoff. The pilot test is planned for an approximate two-week period following DTSC approval of the RAW. Implementation of the automated product recovery system, if appropriate, would commence thereafter, subject to DTSC concurrence. Based on previous investigation activities at the site, DNAPL has been detected in two monitoring wells (MW-5 and MW-10) near the Heil Separator. DNAPL has been recovered from these wells by manual bailing. Based on the thickness of DNAPL measured in these wells, there is a good likelihood that automatic product recovery from at least one well would be effective. To date, it is estimated that less than 100 gallons of DNAPL have been removed from the Heil Separator Area.

Other in situ technologies may be considered if, after the free product is removed to the maximum extent practical, groundwater sampling data indicate that MNA is not effective at stabilizing the dissolved-phase groundwater plume in the perched zone. Also, other in situ technologies would be considered if groundwater in the Gardena Gage aquifer becomes

impacted by chemicals of concern (COC) from the Heil Separator Area at concentrations greater than maximum contaminant levels or water quality objectives. Other in situ technologies include, but are not limited to, in situ chemical oxidation using Fenton's Reagent or enhanced bioremediation (e.g., nutrient and/or oxygen amendments). The following remedial action objectives have been identified in the FS:

- Remove DNAPL (dripolene) to the maximum extent practical;
- Prevent human incidental ingestion and direct dermal contact with COCs in surface soil that pose an excess cancer risk greater than one in a million ( $10^{-6}$ ) of a Hazard Index (HI) greater than one;
- Prevent human inhalation of VOCs and SVOCs volatilizing from surface soil to air that pose an excess cancer risk greater than  $10^{-6}$  or HI greater than one;
- Ensure existing contaminant conditions do not change to threaten human health and/or the environment; and
- Restore water quality, at a minimum, to water quality objectives that are protective of beneficial uses of the Gardena-Gage Aquifer within a reasonable timeframe.

#### Installation of New Perched Zone Groundwater Monitoring Well

A new groundwater monitoring well will be installed on the property west of the source area within the perched zone. Geologic borings will be conducted to determine the most suitable location for the new well. The well installation would take one day to complete. Two to four workers would be at the site during installation activities.

#### Gauging of Groundwater Monitoring Wells

Gauging of on site groundwater monitoring wells will be conducted on a quarterly basis. A total of seventeen site groundwater monitoring wells will be gauged for static water level to monitor groundwater flow and changes in water level. Wells MW-1 through MW-4 are groundwater monitoring wells completed in the deeper Gage-Gardena aquifer. Wells MW-1A, MW-5 through MW-12, MW-13A, MW-14A, and MW-16A are perched aquifer monitoring wells. All well locations are depicted on Figure 1-2. These monitoring wells will also be checked for the possible presence of liquid-phase hydrocarbon and gauged for static depth(s) to DNAPL. Each time a well is gauged, the depth to the bottom of the well will also be checked for the presence of DNAPL. All measurements will be recorded on a Well Gauging Sheet. All well gauging equipment will be washed between each use using a soapy wash, rinsed with clean water, and followed by a thorough rinse by deionized water. The recovered DNAPL, purged groundwater, and decontamination water will be collected in United States (U.S.) Department of Transportation (DOT)-rated drums and stored at the project site. The drums will be appropriately labeled with general information, including the following data: location, contents, contact information, and the statement "pending analytical testing."

#### Implementing DNAPL Recovery System

DNAPL has been observed in monitoring wells MW-5 and MW-10 during previous groundwater monitoring activities. UCC will install an automated DNAPL recovery system at wells MW-5 and/or MW-10 to perform a pilot test and determine the effectiveness of this technology. The automated system will consist the following components:

- § 4-inch DNAPL pump for each well location;
- § 4-inch well cap for each well location;
- § An electronic timer with tank shutoff;
- § Product discharge tubing;
- § Air supply tubing;
- § Air exhaust tubing;
- § Air source for the pump (gas cylinder or air compressor);
- § Power source for the timer (110 AC or 12v DC battery);
- § Safety rope; and
- § Valves for both air and product lines.

During gauging events when the automated DNAPL recovery system pilot test is not running in monitoring wells MW-5 and MW-10, manual removal of DNAPL from these wells, or other wells in which DNAPL is measured, will be performed using a disposable bailer until the automated system is installed. Bailing will continue, either manually or automatically, until significant volumes of DNAPL can no longer be collected from the well. Bailed DNAPL, groundwater, and equipment decontamination water will be placed in labeled 55-gallon drums that will be temporarily stored on site until they are disposed of at an appropriate off-site facility. Used bailers and personal protective equipment (PPE) will be disposed off site at a permitted facility. The total volumes of DNAPL and groundwater removed from the well will be recorded on a well gauging sheet.

Groundwater Sampling

All seventeen monitoring wells will be sampled on a quarterly basis. Previous groundwater sampling events indicated that monitoring wells MW-5 and MW-10 contained DNAPL. MW-5 and MW-10 were undergoing continuous, manual DNAPL bailing; therefore, they were not sampled during these annual events. Samples will also be collected from these wells.

The project is anticipated to commence upon project approval and last two years. The estimated completion date is 2006. A deed restriction will be placed on the site at a future date to preclude sensitive uses.

Any Significant Effects on the Environment:

The Department of Toxic Substances Control (DTSC) prepared an Initial Study pursuant to the requirements of the California Environmental Quality Act (CEQA, Section 21000 et seq., California Public Resources Code) and implementing Guidelines (Section 15000 et seq., Title 14, California Code of Regulations). Based upon this analysis, DTSC has determined that the proposed project will not have a significant effect upon the environment.

Period During Which Comments on the Document Will Be Received:

<hr/> May 20, 2004 Start Date	<hr/> June 19, 2004 End Date
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Public Hearings on the Proposed Project:

<hr/> Date	<hr/> Time
<hr/> Place	

<hr/> Johnson P. Abraham Lead Agency Contact Person
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<hr/> (714) 484 / 5476 Area Code/Telephone/Extension
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<hr/> Signature
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<hr/> Date
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NOTICE OF COMPLETION & ENVIRONMENTAL DOCUMENT TRANSMITTAL

SCH # \_\_\_\_\_

Mail to: State Clearinghouse, PO Box 3044, Sacramento, CA 95812-3044 (916) 445-0613

Project Title: Heil Separator Area, Union Carbide Corporation (UCC) Torrance (Mariner Avenue) Terminal Facility
Lead Agency: Department of Toxic Substances Control Contact Person: Johnson P. Abraham
Street Address: 5796 Corporate Avenue Phone: (714) 484-5476
City: Cypress Zip Code: 90630 County: Los Angeles

Project Location:
County: Los Angeles City/Nearest Community: Torrance
Cross Streets: Mariner Avenue and Del Amo Boulevard Zip Code: 90503 Total Acres: 17-acre facility
Assessor's Parcel No: 7352-001-030 Section: 4 Twp: 4S Range: 14W Base: SB
Within 2 miles: State Hwy #: I-405 Waterways: NA
Airports: NA Railways: AT & SF Schools: Magruder Middle, N. Torrance High

Document Type:
CEQA: [ ] NOP [ ] Supplement/Subsequent EIR NEPA: [ ] NOI Other: [ ] Joint Document
[ ] Early Cons (Prior SCH No.) [ ] EA [ ] Final Document
[ x ] Neg Dec [ ] Other [ ] Draft EIS [ ] Other
[ ] Draft EIR [ ] FONSI

Action Type:
[ ] General Plan Update [ ] Master Plan [ ] Prezone [ ] Annexation
[ ] General Plan Amendment [ ] Planned Unit Development [ ] Use Permit [ ] Redevelopment
[ ] General Plan Element [ ] Site Plan [ ] Land Division (subdivision) [ ] Coastal Permit
[ ] Community Plan [ ] Rezone [ x ] Other: Hazardous Waste Removal Action
[ ] Specific Plan (Hazardous Waste Removal Action, Parcel Map, Tract Map, etc.)

Development Type:
[ ] Residential: Units \_\_\_\_\_ Acres \_\_\_\_\_ Water Facilities: Type: \_\_\_\_\_ MGD: \_\_\_\_\_
[ ] Office: Sq. ft. \_\_\_\_\_ Acres \_\_\_\_\_ Employees \_\_\_\_\_ Transportation: Type: \_\_\_\_\_
[ ] Commercial: Sq. ft. \_\_\_\_\_ Acres \_\_\_\_\_ Employees \_\_\_\_\_ Mining: Mineral: \_\_\_\_\_
[ ] Industrial: Sq. ft. \_\_\_\_\_ Acres \_\_\_\_\_ Employees \_\_\_\_\_ Power: Type: \_\_\_\_\_ Watts: \_\_\_\_\_
[ ] Educational: \_\_\_\_\_ Waste Treatment: Type: \_\_\_\_\_
[ ] Recreational: \_\_\_\_\_ [ x ] Hazardous Waste: Type: remediation
[ ] Other: \_\_\_\_\_

Funding (approx.): Federal \$ State \$ Total \$

Project Issues Discussed in Document:
[ x ] Aesthetic/Visual [ ] Flood Plain/Flooding [ ] Schools/Universities [ x ] Water Quality
[ x ] Agricultural Land [ ] Forest Land/Fire Hazard [ ] Septic Systems [ x ] Water Supply/Groundwater
[ x ] Air Quality [ x ] Geologic/Seismic [ ] Sewer Capacity [ x ] Wetland/Riparian
[ x ] Noise [ ] Minerals [ ] Wildlife [ x ] Archeological/Historical
[ ] Coastal Zone [ x ] Solid Waste [ ] Growth Inducing [ x ] Population/Housing Balance
[ ] Drainage/Absorption [ x ] Toxic/Hazardous [ x ] Landuse [ ] Soil Erosion/Compaction/Grading
[ ] Economic/Jobs [ x ] Public Services/Facilities [ x ] Traffic/Circulation [ ] Cumulative Effects
[ ] Fiscal [ x ] Recreation/Parks [ x ] Vegetation [ ] Other: \_\_\_\_\_

Present Land Use/Zoning/General Plan Designation: Industrial Facility/ Heavy Manufacturing/ Light Industrial

Project Description: Removal Action Workplan

**Reviewing Agencies Checklist:**

- Resources Agency**
- Boating / Waterways
- Coastal Commission
- Coastal Conservancy
- Colorado River Board
- Conservation
- Fish & Game
- Forestry & Fire Protection
- Office of Historic Preservation
- Parks & Recreation
- Reclamation Board
- SF Bay Conservation and Development Commission
- Water Resources (DWR)

**Business, Transportation & Housing**

- Aeronautics
- California Highway Patrol
- Caltrans District # 7
- Department of Transportation Planning (headquarters)
- Housing and Community Development

**Food and Agriculture**

**Health & Welfare**

- Health Services

**State & Consumer Services**

- General Services
- OLA (Schools)

**Environmental Protection Agency**

- Air Resources Board
- California Waste Management Board
- SWRCB: Clean Water Grants
- SWRCB: Delta Unit
- SWRCB: Water Quality
- SWRCB: Water Rights
- Regional WQCB # 4 Los Angeles

**Youth & Adult Corrections**

- Corrections

**Independent Commissions & Offices**

- Energy Commission
- Native American Heritage Commission
- Public Utilities Commission
- Santa Monica Mountains Conservancy
- State Lands Commission
- Tahoe Regional Planning Agency

- Other: U.S. Fish & Wildlife Services & SCAQMD

**Public Review Period** (to be filled out by lead agency)

Starting Date May 20, 2004 Ending Date June 19, 2004

Signature of Lead Agency Representative

Date

Johnson P. Abraham  
Representative's Name

Project Manager  
Representative's Title

( 714 ) 484-5476  
Phone #

**FOR SCH USE ONLY**

Date Received at SCH:		Applicant:	
Date Review Starts:		Consultant:	
Date to Agencies:		Contact Phone #:	( )
Clearance Date:		Address:	
Notes:			

\* NOTE: Clearinghouse will assign identification numbers for all new projects. If SCH number already exists for a project (e.g., from a Notice of Preparation or previous draft document) please enter the SCH number in the box located in upper right corner of this document.