

STATE OF CALIFORNIA
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
LOS ANGELES REGION

RESOLUTION NO. R06-018

APPROVING THE ENVIRONMENTAL CHECKLIST AND
ADOPTING A MITIGATED NEGATIVE DECLARATION FOR
IN-SITU BIOREMEDIATION OF VOLATILE ORGANIC COMPOUNDS IN
GROUNDWATER, CAL-STYLE FURNITURE MANUFACTURING COMPANY, FORMER
REYES CLARIFIER VICINITY, COMPTON, CALIFORNIA
(FILE NO. 98-086)

WHEREAS, the California Regional Water Quality Control Board, Los Angeles Region finds that:

1. California Water Code (CWC) section 13260(a)(1) requires that any person discharging wastes, or proposing to discharge wastes other than into a community wastewater collection system, which could affect the quality of the waters of the State, shall file a report of waste discharge (ROWD) with the Regional Water Quality Control Board (Regional Board) exercising jurisdiction in the area, and that Regional Board shall then prescribe requirements for the discharge or proposed discharge of wastes.
2. The Cal-Style Furniture Manufacturing Company (Discharger) Compton facility formerly included an area of approximately 14 acres consisting of manufacturing buildings and facilities and is located at 18744 South Reyes Avenue, Compton, California (Latitude 33° 51'00" North, Longitude 118° 13'00" West). The former Reyes clarifier was located along the western portion of the Site, and installed outdoors below the concrete slab adjacent to one of the manufacturing buildings. During Cal-Style's operation of the facility from 1979 to 1994, the Site consisted of manufacturing buildings and facilities formerly associated with the production of metal and wood furniture. According to the record, the Cal-Style Furniture Manufacturing Company did not operate the former Reyes clarifier during its occupation of the facility, but Los Angeles County records indicate that the clarifier was operated by others prior to 1979. Dominguez Industrial Center, LLC (DIC) owns the Site and Masco Corporation/Cal-Style Manufacturing is performing the groundwater remediation work. The Site is currently used for commercial warehousing operations. .
3. Soil and groundwater beneath the Facility is contaminated with volatile organic compounds (VOCs) including trichloroethene (TCE), perchloroethene (PCE), and cis-1,2-dichloroethene (cis-1,2,-DCE), among others.
4. The Discharger proposes to use enhanced in-situ bioremediation with bioaugmentation to remediate chlorinated VOCs in shallow groundwater in the source area. In-situ bioremediation involves the addition of carbon source amendments (i.e. lactate, etc.) to the shallow groundwater. Bioaugmentation involves the addition of selected non-pathogenic (naturally derived, not genetically engineered) chlorinated ethene-degrading Dehalococcoides ethenogenes culture, referred to as KB-1, in the source area to facilitate reductive dechlorination. Details of the remediation and methods are included in "Enhanced In-Situ Bioremediation Work Plan," dated November 23, 2004, prepared by GeoSyntec Consultants, approved on May 10, 2005.

5. The Discharger shall monitor presence and concentration of injection solution and contaminants and evaluate flow conditions and any potential for migration of contaminants outside the remediation areas. As specified in the Waste Discharge Requirements and Notice of Preparation of Mitigated Negative Declaration, the Discharger will provide hydraulic control, if necessary, to prevent offsite migration. Monitoring of groundwater quality and flow conditions across the entire Facility is required by a comprehensive separate Facility-wide groundwater monitoring program.
6. The injection of the carbohydrate solution with KB-1 to the groundwater is a discharge of waste pursuant to section 13260 of the California Water Code. However, the discharge of the carbohydrate solution with KB-1 is intended to provide more efficient remediation of VOC-contaminated groundwater and is anticipated to reduce cleanup time and costs.
7. The Water Quality Control Plan (Basin Plan) for the Los Angeles Region designates the beneficial uses of groundwater in the Central Basin for municipal and domestic supply, industrial process supply, industrial service supply, and agricultural supply.
8. The permitted discharge is consistent with the anti-degradation provisions of State Water Resources Control Board Resolution No. 68-16 (Anti-degradation Policy). The discharge may result in some localized exceedance of background concentrations of constituents such as total organic carbon, VOCs, and total dissolved solids (TDS), but this is not anticipated to result in any long-term groundwater degradation.
9. The Regional Board has notified the Discharger and interested agencies and persons of its intent to prescribe Waste Discharge Requirements for this discharge and has provided them with an opportunity to submit their written views and recommendations. The Regional Board, in a public meeting on August 10, 2006, heard and considered all comments pertaining to the discharge and to the tentative requirements.
10. This Regional Board has assumed lead agency role for this project under the California Environmental Quality Act (Public Resources Code section 21000 et seq.) and has conducted an Initial Study (in the format of an expanded Environmental Checklist) in accordance with title 14, California Code of Regulations, section 15063, titled Guidelines for Implementation of the California Environmental Quality Act. Based on the Initial Study, Regional Board prepared a Mitigated Negative Declaration that the project will not have a significant adverse effect on the environment.
11. Copies of the Environmental Checklist and proposed Mitigated Negative Declaration were transmitted to the State Clearing House, all agencies and interested parties. All comments received have been addressed by Regional Board staff. The Regional Board considered all testimony and evidence at a public hearing held on September 14, 2006, at the Metropolitan Water District of Southern California, Board Room, 700 North Alameda, Los Angeles, California, and good cause was found to approve the Environmental Checklist and adopt a Mitigated Negative Declaration.
12. The Regional Board has reviewed the Initial Study and Mitigated Negative Declaration concerning this Resolution prepared by staff in compliance with the California Environmental

Quality Act (Public Resources Code section 21000 et seq.). The Regional Board concurs with the staff findings that a Mitigated Negative Declaration should be adopted. The Initial Study and Mitigated Negative Declaration were circulated for public review and comment.

THEREFORE, BE IT RESOLVED that the Regional Board:

1. Adopts the Environmental Checklist, Initial Study and Mitigated Negative Declaration and directs the Executive Officer to file a Notice of Determination with the State Clearinghouse within 30 days as required by the California Code of Regulations.
2. Directs that a copy of this Resolution shall be forwarded to the State Water Resources Control Board and all interested parties.
3. Directs that the discharge of amendments and microorganisms into the soil and groundwater shall conform with all the requirements, conditions, and provisions set forth in A. "*Discharge Limits*" and B. "*Discharge Specifications*" of the ORDER NO. R4-2006-0072.

CERTIFICATION

I, Jonathan Bishop, Executive Officer, do hereby certify that the foregoing is a full, true and correct copy of a Resolution adopted by the California Regional Water Quality Control Board, Los Angeles Region on September 14, 2006.

Jonathan S. Bishop
Executive Officer