



Linda S. Adams
Secretary for
Environmental Protection

**California Regional Water Quality Control Board
North Coast Region
Bob Anderson, Chairman**

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Arnold
Schwarzenegger
Governor

NOTICE OF INTENT

FOR

APPLICATION OF IN SITU SURFACTANT/COSOLVENT FLUSING (ISCF)
TECHNOLOGY TO SOIL AND GROUNDWATER AT PILOT SCALE

RB Case Nos. 1NHU630 and 1THU694
(Normans Dry Cleaners and Unocal Corporation)
2907 E Street
Eureka, California

Humboldt County

The Normans Dry Cleaners (Site) located at 2907 E Street in Eureka, California is an active clothes washing and dry cleaning facility. This Site is bounded by E Street to the west, buildings and paved areas to the east, buildings to the south, and Grotto Street to the north.

Since the late 1990's, the California Regional Water Quality Control Board, North Coast Region (Regional Water Board) has requested investigations at the Site for various constituents of concern, including Dense Non Aqueous Phase Liquids (DNAPLS). In July 2003, the Regional Water Board issued Cleanup and Abatement Order R1-2003-0107. The DNAPL is typically composed of free-phase chlorinated volatile organic compounds, such as Tetrachloroethylene (PCE). The DNAPL is identified on top of the soil aquitard that separates the groundwater in the Upper Water Bearing Zone (WBZ) from the groundwater in the Lower WBZ beneath the Site. WEST Environmental Services and Technology (WEST) is the consultant working on the behalf of the Discharger and have proposed implementing pilot-scale testing using In Situ Surfactant/Cosolvent Flushing (ISCF) Technology at the Site. The ISCF Technology is an in situ technique that solubilizes and mobilizes the DNAPL in the subsurface. Once mobilized and solubilized DNAPL is removed from the subsurface using Soil Vapor Extraction (SVE) and/or Groundwater Extraction Technology (GET). The ISCF Technology in conjunction with SVE and/or GET is technology has been successfully applied at other sites to remove DNAPL from the subsurface. This on-Site application is proposed at a pilot-scale under State Water Code Section 13267(b) Order and is the focus of this Notice.

Any interested party may contact David W. Parson with the Regional Water Board at (707) 576-2556 or submit comments to his attention to the Regional Water Board office

California Environmental Protection Agency

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at 5550 Skylane Boulevard, Suite A, Santa Rosa, CA 95403. State Water Code Section 13267(b) Order, related documents, and comments received are on file and may be inspected or copied at the Regional Water Board office on Mondays from 1:30 to 4:30 p.m., Tuesday through Thursday from 8:30 to 11:30 a.m. and 1:30 to 4:30 p.m., and Fridays from 8:30 to 11:30 a.m. Appointments are recommended for file review and can be made by calling (707) 576-2220. The public comment period will be completed 30-days from the issuance of this Notice.

Robert R. Klamt
Interim Executive Officer

February 2008

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