



# California Regional Water Quality Control Board

## Los Angeles Region



Alan C. Lloyd, Ph.D.  
Agency Secretary

Recipient of the 2001 Environmental Leadership Award from Keep California Beautiful

Arnold Schwarzenegger  
Governor

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December 9, 2005

Mr. Chris Hooke, Deputy Director  
Ventura County Public Works Agency, Transportation Department  
800 S. Victoria Avenue  
Ventura, CA 93009

Dear Mr. Hooke:

**GENERAL WASTE DISCHARGE REQUIREMENTS FOR SPECIFIED DISCHARGES TO GROUNDWATER – GROUNDWATER IN SANTA CLARA AND LOS ANGELES RIVER BASINS – LEWIS ROAD WIDENING PROJECT, CAMARILLO, CALIFORNIA (Order No. 93-010, CI-8992, Series No. 022, File No. 05-212)**

On September 26, 2005, we received a Report of Waste Discharge (ROWD) submitted by Ventura County Public Works Agency, Transportation Department (hereafter the Discharger) for discharge of construction dewatering groundwater produced during the Lewis Road Widening Project.

The project is located north of Potrero Road on the West side of Calleguas Creek, from Lewis Road to Ventura Boulevard. The purpose of the project is to re-align and widen the section of Lewis Road beginning on Hueneme Road, 370 feet south of Laguna Road, to Ventura Boulevard to accommodate increased traffic volumes associated with the California State University at Channel Islands (CSUCI) campus expansion.

The project is located in the Calleguas Creek Watershed with latitude 34°21'46" North and longitude 119°03'42" West. It is located in Township 1N, range 21W, Sections 1, 11, 12 and 14 and in Township 2N, Range 21 W, Section 36 and in unsectioned portion of Rancho Calleguas and Rancho Guadaluca.

As part of the Lewis Road Widening Project, a new intersection and a 276 foot long-bridge structure over Calleguas Creek are planned at Santa Barbara Street. Construction of the bridge and installation of associated storm drain pipes will require dewatering. The extracted water will be discharged to a nearby land surface via sprinkler application. As needed, the extracted water will be re-used for project dust control. The project also involves temporary diversion of water in Calleguas Creek and a Section 401 permit has already been obtained.

Average flow is estimated to be up to 180,000 gallons per day (gpd) which will be comprised of 144,000 gpd associated with dewatering at the Santa Barbara Street Bridge and up to 36,000 gpd associated with dewatering at the storm drain. The discharge is tentatively planned to occur intermittently between January 2006 and June 2007.

The proposed dewatering site is located at the northern bridge abutment. Water samples were collected and analyzed to evaluate the similarity of the mineral chemistry between the water that will be generated during proposed construction dewatering and the closest surface water to

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the discharge area. The comparison of water quality between the groundwater and the surface water was done using a Stiff diagram. A Stiff diagram utilizes specific geochemical analysis for each water sample so that a graphical comparison can be made. Hydrogeologists have developed general classifications of water types and water samples that fall inside the same classification can be considered similar waters. Both water sources are classified as sodium-sulfate waters. A visual comparison of the Stiff diagrams shows that the groundwater is similar to the surface water present in Calleguas Creek. The groundwater samples have slightly higher concentrations of sodium, potassium, calcium, magnesium and bicarbonate which are consistent with the regional groundwater. The analysis concluded that the surface water and the groundwater are hydraulically connected in the project area.

Water quality of the dewatered groundwater meets the standards for groundwater quality as listed in this Regional Board's Basin Plan for the Pleasant Valley unconfined aquifers. Pleasant Valley unconfined aquifer has a potential beneficial use as municipal water supply, therefore the water quality results were compared with Title 22 Maximum Contaminant Levels (MCLs) for drinking water.

Waste Discharge Requirements (E.6.) of Board Order No 93-010 states: "Wastewater discharged to groundwater shall maintain the existing water quality, even if that existing water quality exceeds established objectives. A determination shall be made by the Executive Officer as to the applicability of water quality standards with regard to the "Statement of policy With Respect to Maintaining High Quality of Water in California", with each discharge, on a site – specific basis". The proposal is for groundwater to be utilized in the area from which it was extracted. It will not be a threat to water quality nor will it threaten beneficial uses of the local groundwater.

Regional Board staff have reviewed the information provided and determined that the proposed discharge meets the conditions specified in Order No. 93-010, "General Waste Discharge Requirements for Specified Discharges to Groundwater in Santa Clara River and Los Angeles River Basins" adopted by this Board on January 25, 1993. The Basin Plan does not list water quality objectives for groundwater in the Pleasant Valley unconfined aquifer.

Enclosed are the Waste Discharge Requirements Order No. 93-010, Monitoring and Reporting Program CI No. 8992 and Standard Provisions.

The Monitoring and Reporting Program requires you to implement the monitoring program on the date you receive this Order. All monitoring reports should be sent to the Regional Board, ATTN: information Technology Unit.

When submitting monitoring and technical reports to the Regional Board per these requirements, please include a reference to "Compliance File No. CI-8992, which will assure that the reports are directed to the appropriate file and staff. Also, please do not combine other report with your monitoring and reports. Submit each type of report as a separate document.

In order to avoid future annual fees, please submit a termination certification when the project has been completed and the permit is no longer needed.

Mr. Chris Hooke, Deputy Director  
Ventura County Public Works Agency  
Lewis Road Widening Project

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We are sending Board Order No. 93-010 only to the applicant. For those on the mailing list, please refer to the Board Order previously sent to you. A copy of the Order will be furnished to anyone who requests it.

IF you have any questions regarding this matter, please contact Rodney Nelson at (213) 620-6119 or Dionisia Rodriguez at (213) 620-6122.

Sincerely,

Jonathan Bishop  
Executive Officer

Enclosures

cc: Mr. William C. Stratton, Environmental Health Division, County of Ventura  
Ms. Jennifer Newton Wong, Integrated Water Resources

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