

**STATE OF CALIFORNIA  
REGIONAL WATER QUALITY CONTROL BOARD  
CENTRAL COAST REGION**

**STAFF REPORT FOR REGULAR MEETING OF DECEMBER 9, 2010**

Prepared November 9, 2010

**ITEM NUMBER: 6**

**SUBJECT: Low Threat and General Discharge Cases**

**DISCUSSION** The following items serve as notification that the subject sites have been enrolled under the noted General WDR or General Waiver of WDRS.

**Statewide General Waste Discharge Requirements for Small Domestic Wastewater Systems**

**General Waste Discharge Requirements for Discharges of Winery Waste**

Presqu'ile Winery, Orcutt, Santa Barbara County [Sorrel Marks 805/549-3695]

Water Board staff enrolled Presqu'ile Winery under the General Waste Discharge Requirements for Discharges of Winery Waste on August 30, 2010. Presqu'ile Winery will be located at 2540 Clark Avenue in Santa Maria, and is the second phase of Murphy Vineyards winery facilities (phase I enrolled last year). Presqu'ile Winery will process up to 364 tons of grapes annually to produce 25,000 cases of wine. Presqu'ile Winery's process wastewater will be treated using screening, settling, AdvanTex fixed media units (biological treatment) and pH adjustment if needed. Up to 3,600 gallons per day of winery process wastewater will be treated and beneficially reused as landscape irrigation on the property. Storm water that may contact winery process areas will be collected and treated with the process wastewater.

Enrollment under the General Waste Discharge Requirements requires Presqu'ile Winery to comply with Monitoring and Reporting Program No. R3-2008-0018. Water Board staff may begin regular inspections of Presqu'ile Winery next fall to ensure continued compliance with the General Waste Discharge Requirements

Sweeney Winery, Santa Barbara County [Sorrel Marks 805/549-3695]

Water Board staff enrolled Sweeney Winery under the General Waste Discharge Requirements for Discharges of Winery Waste on October 14, 2010. Sweeney Winery is proposed to be located at 2050 Sweeney Road, Lompoc, Santa Barbara County. Sweeney Winery will produce up to 10,000 cases of wine annually and is anticipated to generate wastewater flows up to 1,000 gallons per day during peak crush season. Sweeney Winery's process wastewater will be treated using screening, settling,

biological treatment, storage in a lined pond, and pH adjustment when necessary. Treated wastewater will be disposed and beneficially reused for irrigation of five acres of vineyards. Pomace and screenings will be disced into soil within the vineyards.

Enrollment under the General Waste Discharge Requirements requires Sweeney Winery to comply with Monitoring and Reporting Program No. R3-2008-0018. Water Board staff may inspect of Sweeney Winery to ensure continued compliance with the General Waste Discharge Requirements.

Chamisal Vineyards Winery, San Luis Obispo County [Sorrel Marks 805/549-3695]

Water Board staff enrolled Chamisal Vineyards Winery under the General Waste Discharge Requirements for Discharges of Winery Waste on October 12, 2010. Chamisal Vineyards Winery was formerly enrolled under the General Winery Order as Domain Alfred Winery. The facility is located at 7525 Orcutt Road, San Luis Obispo County, just east of the City of San Luis Obispo. Chamisal Vineyards Winery will produce up to 42,000 cases of wine annually and is anticipated to generate wastewater flows up to 6,147 gallons per day during peak crush season. Chamisal Vineyards Winery's process wastewater will be treated using screening, settling, biological treatment in an aerated pond and constructed wetlands. Treated wastewater will be disposed and beneficially reused for irrigation of 79 acres of vineyards and dust control on vineyard roads. Pomace and screenings will be disced into soil within the vineyards.

Enrollment under the General Waste Discharge Requirements requires Chamisal Vineyards Winery to comply with Monitoring and Reporting Program No. R3-2008-0018. Water Board staff may inspect of Chamisal Vineyards Winery to ensure continued compliance with the General Waste Discharge Requirements.

10 Knots Winery, San Luis Obispo County [Sorrel Marks 805/549-3695]

Water Board staff enrolled 10 Knots Winery under the Small Winery Waiver pursuant to General Waste Discharge Requirements for Discharges of Winery Waste on June 7, 2010. 10 Knots Winery is proposed to be located at 1600 Old Price Canyon Road in San Luis Obispo County. 10 Knots Winery will produce up to 4,000 cases of wine annually and is anticipated to generate approximately 400 gallons per day of winery process wastewater. 10 Knots Winery's process wastewater will be treated using screening, a bioreactor system, and pH adjustment when necessary. Treated wastewater will be disposed and beneficially reused for irrigation of the surrounding vineyards.

Enrollment under the Small Winery Waiver is limited to wineries producing less than 5,000 cases per year. Accordingly, if 10 Knots Winery exceeds this production level, reapplication for enrollment under the General Waste Discharge Requirements Order is required.

**General Waiver of Waste Discharge Requirements for Waste Pile Management Facilities at Oilfields, Order No. R3-2010-0036**

ERG Operating Company, LLC, Cat Canyon Oilfield, Santa Barbara County  
[Rich Chandler 805/542-4627]

On October 29, 2010, Water Board staff enrolled ERG Operating Company, LLC (ERG) under the General Conditional Waiver of Waste Discharge Requirements for the Management of Petroleum-Impacted Soils at Authorized Waste Pile Management Facilities on Active Oil Leases and Fee Properties in the Central Coast (conditioned waiver for waste pile management facilities [Order No. R3-2010-0036]). ERG plans to operate a waste pile management facility on the Williams Holding Lease of the Cat Canyon Oilfield, within Section 6, Township 9 North, Range 33 West, San Bernardino Baseline and Meridian. The facility will be approximately 0.5 acre in size. ERG plans to temporarily store crude oil-impacted soil removed from spills and tank bottoms before sending this material for appropriate disposal or beneficial reuse.

ERG's application for enrollment under the conditioned waiver for waste pile management facilities included a compliance plan, management practices plan, and property owner notification documentation.

Prior to approving ERG's enrollment, Water Board staff sent ERG's application to the Santa Barbara County Fire Department (SBCFD) and the California Division of Oil and Gas and Geothermal Resources (DOGGR) for a 30-day review and comment period. ERG also notified the property owner of its intent to construct a waste pile facility and apply for enrollment under the conditioned waiver. Neither agency nor the property owner had any comments on ERG's application.

As a condition of enrollment under the waiver for waste pile management facilities, ERG is required to submit information on the originating source of petroleum-impacted soil, chemical characterization of petroleum impacted material, and annual monitoring reports by October 1 of each calendar year summarizing its preparedness measures to prevent discharges from the waste pile management facility during the rainy season.

Water Board staff notified SBCFD and DOGGR of ERG's subsequent enrollment under the conditioned waiver for waste pile management facilities.

**Low Threat NPDES Permit, Order No. R3-2006-0063**

U.S. Army Corps of Engineers, Cambria, San Luis Obispo County  
[Matthew Keeling 805/549-3685]

On September 23, 2010, Water Board staff enrolled the U.S. Army Corps of Engineers (Army Corps), Los Angeles District, under the NPDES General Permit for Discharges with Low Threat to Water Quality, Order No. R3-2006-0063 (General Permit). Army Corps staff propose to conduct geotechnical and hydrogeologic testing at Santa Rosa State Beach and Shamel County Park in Cambria, San Luis Obispo County in

accordance with the conditions stipulated within the California Coastal Commission letter dated May 17, 2010 regarding: Consistency Determination CD-002-10. The testing is intended to evaluate the feasibility of subsurface beach intake and brine discharge facilities for a desalination project proposed by the Cambria Community Services District (CCSD).

Army Corps' six to eight week project includes: drilling ten borings on the beach to depths ranging from 50 to 150 feet below ground surface, converting three of the borings into test wells and up to six borings into groundwater monitoring wells. Army Corps will collect baseline water quality samples from each well and submit the laboratory test data to Water Board staff for review. After receiving Water Board staff approval, the Army Corp will perform a pump test and discharge the brackish mix of fresh water and seawater in accordance with the conditions listed in the General Permit. At the conclusion of the pump test, the test wells and monitoring wells will be completed removed.

**General Waiver for Specific Types of Discharges, Resolution No. R3-2008-0010**

AT&T Fiber Optic Cable System, Santa Barbara County [Sorrel Marks, 805/549-3695]

On June 7, 2010, AT&T applied for waiver of waste discharge requirements for proposed directional drilling under San Antonio Creek, Santa Barbara County. The project is

associated with the San Luis Obispo to Los Angeles Fiber Optic Cable System. The San Antonio Creek crossing is scheduled to occur in September (prior to any expected wet season) and will be implemented in a manner that will not disturb surface water that may be present at the time of the drilling. Drilling mud consists of bentonite clay slurry, residual of which will be ultimately disposed at a landfill or other properly authorized disposal site. Also, inspectors, containment supplies, and contingency plans will be available during the San Antonio Creek crossing project, in order to detect and immediately mitigate any seepage of drilling mud that could occur due to geologic fractures.

Based on information provided in the application, Water Board staff found that the proposed creek crossing project presents no significant threat to water quality. Accordingly, the discharge is appropriate for enrollment in the *General Waiver for Specific Types of Discharges*, Resolution No. R3-2008-0010 (General Waiver), and staff notified AT&T of such enrollment on August 23, 2010. Enrollment in the General Waiver is conditional upon compliance with the conditions stated in the General Waiver, and no discharge to surface water is allowed. The General Waiver is available at:

[http://www.waterboards.ca.gov/centralcoast/board\\_decisions/adopted\\_orders/2008/2008\\_0010\\_gen\\_waiver\\_certain\\_dischargers\\_adopted\\_resolution.pdf](http://www.waterboards.ca.gov/centralcoast/board_decisions/adopted_orders/2008/2008_0010_gen_waiver_certain_dischargers_adopted_resolution.pdf)

City of Morgan Hill, 17555 Peak Avenue, Morgan Hill, Santa Clara County  
[Dean Thomas 805-549-3690]

The City of Morgan Hill (City) plans to perform a short-term pumping test of Deep Aquifer Extraction Well-2 (DEW-2) to determine if the City could use this well for municipal public supply. Olin Corporation (Olin) installed DEW-2 and intends to use the extraction well for aquifer containment and cleanup associated with perchlorate pollution originating from the Olin site. During well installation, Olin screened multiple intervals, with the

knowledge that this well could be used for municipal production in addition to remediation. Olin's initial testing of this well indicates that it has high capacity (potentially up to 2,000 gallons per minute) and that perchlorate concentrations at a high capacity are trace to non-detect because the well is located at the edge of the perchlorate plume for most of the screened aquifer intervals. Additionally, Olin determined that a majority of the water from this well comes from a zone that has low concentrations of perchlorate. The City plans to conduct well testing to assess DEW-2's ability to sustain higher pumping capacities needed for municipal supply. Capacity testing and discharge to land of extracted water requires compliance with the Central Coast Water Board's General Waiver for Specific Types of Discharge, Resolution No. R3-2008-0010 (General Waiver [Discharges to Land for Well Development and Testing]). The City's consultant, Ludorff and Scalmanini, submitted a Report of Waste Discharge (ROWD), and an application for the General Waiver, on behalf of the City, on July 13, 2010. On August 5, 2010, Central Coast Water Board staff enrolled the City under the General Waiver for this well testing project.

This staff report serves as a notification to the Central Coast Water Board that staff has issued a Notice of Applicability to the City of Morgan Hill for the short-term pumping test of DEW-2 and the discharge of water to land. The City submitted a contingency plan in their ROWD to address perchlorate concentrations should they increase during the two-day test. The contingency plan consists of adding sufficient potable water at the proposed outfall location (a storm drain ditch) to dilute perchlorate to below detectable concentrations. In addition to perchlorate, DEW-2 has nitrate concentrations that are higher than the receiving groundwater below the ditch (approximately 20 milligrams per liter (mg/L) versus 6 mg/L as nitrate, respectively), requiring consideration of the State Water Resources Control Board's Resolution 68-16 (Statement of Policy With Respect to Maintaining High Quality of Waters in California). The City has adequately demonstrated that the limited volume and duration of the test would result in only a minor, short-term increase in nitrate concentrations in the receiving groundwater (resultant temporary concentrations of approximately one quarter of the maximum contaminant level for groundwater [MCL for nitrate equals 45 mg/L]), and would not alter the receiving water quality (shallow aquifer zone) for any significant amount of time.

Former Chevron Service Station #9-0028, 12 North Ocean Avenue, Cayucos, San Luis Obispo County [Wei Liu 805/ 542-4648]

On November 9, 2009, Stantec Consulting Corporation (Stantec) submitted a *Work Plan for Treatability Study* (Workplan), proposing to conduct a treatability study using hydrogen peroxide solution infiltration as a new remedial alternative at the subject site. The former Underground Storage Tank site has an approved Corrective Action Plan, initially using sodium persulfate/hydrogen peroxide solution injection as the selected remedial alternative. However, concentrations of total petroleum hydrocarbon as gasoline and benzene have steadily increased to their pre-injection levels over the past year, suggesting that the enhanced biodegradation of petroleum hydrocarbons by chemical injection is no longer effective, especially in the downgradient area of the site. Central Coast Water Board staff requested the responsible party to submit a Revised Corrective Action Plan containing a more effective remedial alternative so that cleanup can be completed in a timely manner.

Stantec responded to this request by proposing the treatability study evaluating the use of hydrogen peroxide solution infiltration to reduce dissolved-phase hydrocarbon concentrations. The injection of hydrogen peroxide solution to the subsurface must comply with the General Waiver of Waste Discharge Requirements for Specific Types of Discharges, Resolution No. R3-2008-0010 (General Waiver). On August 27, 2010, Stantec submitted a *Well Installation Report/WDR Waiver Request* (Request), requesting coverage under the General Waiver. The Request provides the necessary information to fully comply with the requirements for enrollment under the General Waiver.

On September 7, 2010, Central Coast Water Board staff issued a Notice of Applicability to Mr. John Frary, the responsible party's representative, for enrollment under the General Waiver. This staff report serves as a notification to the Central Coast Water Board that Water Board staff has issued a Notice of Applicability to Mr. John Frary to implement the Workplan.