

ITEM: 27

SUBJECT: Uncontested Waste Discharge Requirements

REPORT: Following are the proposed waste discharge requirements that prohibit discharge to surface waters. All agencies and the dischargers concur or have offered no comments. Items indicated as updates on the summary agenda make the requirements consistent with current plans and policies of the Board.

	a	<p>SAGE CANYON LLC, SOMERSTON VINEYARDS, NAPA COUNTY</p> <p>Sage Canyon, LLC is requesting waste discharge requirements for a new wine processing and storage facility they own and operate, Somerston Winery, located at 3450 Sage County Road, St. Helena in Napa County. The facility will be a full crushing and bottling facility with an annual production of approximately 150,000 gallons of wine from 909 tons of crushed grapes. The winery facility includes a wastewater treatment system, including a rotary screen and an anaerobic filter to reduce the residual solids and BOD found in the process wastewater. Treated wastewater will be stored in a 100,000 capacity above ground storage tank and later applied to designated land application areas through the existing irrigation system. Domestic wastewater will be treated with a septic tank and leachfield system that is permitted by the Napa County Environmental Health Department. The proposed Order will prohibit the discharge of winery waste to a septic tank and leachfield system. The necessary California Environmental Quality Act (CEQA) documents were completed and filed for the new facility.</p> <p>Wastewater quality for the new facility is forecasted based upon typical wastewater quality at similar sized wineries and best professional judgment. The Discharger states that groundwater depth, gradient and flow direction is highly variable. Groundwater quality was investigated and limited to the winery supply well, a single groundwater sample and a number of surface water samples representing the current irrigation water source. The samples collected were found to meet the water quality goals, except in the case of coliform bacteria and TDS. Coliform bacteria were not detected in any of the other samples collected that day and therefore may be an isolated case. TDS concentrations varied. The winery supply well was found to be 510 mg/L. The six irrigation source waters had an average TDS concentration of 422 mg/L. The single groundwater sample had a TDS concentration of 390 mg/L. The Discharger states that there is no known groundwater table within the canyon floor or producing wells except for areas with springs and shallow flows. The Order requires the Discharger to submit a workplan and report to confirm the absence of groundwater, its antidegradation assertions, and compliance with the requirements of the Order.</p>
--	---	---

	<p>Information submitted by the Discharger concludes that compliance with effluent limits and management practices in the Order will achieve compliance with the Basin Plan. Based upon available information, this discharge meets the criteria for an exemption from the requirements of <i>Consolidated Regulation for Treatment, Storage, Processing, or Disposal of Solid Waste</i>, as set forth in Title 27, CCR, Division 2, Subdivision 1, Section 20005, et seq., (Title 27).</p> <p>The proposed Order specifies wastewater discharge to the land application areas shall not exceed 280,000 gallons as a monthly maximum. In addition, wastewater discharge to the land application areas shall not exceed 1.2 million gallons per year. Effluent limitations for BOD, TDS and Total Nitrogen are included in the Order. The BOD limits are 300 lbs/ac/day as a daily maximum and are intended to minimize the possibility of odors being generated by the land application. TDS is limited to a monthly maximum of 1,500 mg/L, an annual average of 1,000 mg/L, and is intended to minimize degradation of groundwater. Total Nitrogen is limited to 125 lb/ac/yr to prevent overloading the land application areas. The land application area consists of 104 acres of vines and cover crops of native and planted grasses. The total nutrient uptake capacity of the harvested and cover crops is approximately 365 lbs/ac/yr and 775 lb/ac/yr, respectively, based on information obtained from <i>The Western Fertilizer Handbook</i>.</p> <p>Treated wastewater is applied by drip irrigation. On an annual average basis, treated wastewater will provide approximately 6.9 percent of the total irrigation supply. The Discharger anticipates supplementing treated wastewater with raw irrigation water as needed during the months of March through December.</p>
	<p>b</p> <p>JAMES L. SCHMITT 2008 TRUST, SCHMITT FAMILY 1992 REVOCABLE TRUST, AND WESTSIDE SKYLINE, INC., DBA WESTSIDE AGGREGATE, EASTSIDE AGGREGATE MINE, SHASTA COUNTY</p> <p>James L. Schmitt 2008 Trust, Schmitt Family 1992 Revocable Trust, and Westside Skyline, Inc., dba Westside Aggregate (hereafter Discharger) own and operate Eastside Aggregate Mine (hereafter Facility) located on approximately 80 acres in Shasta County. Mining operations consist of excavation, processing (screening, crushing, and washing), and off-site transportation of sand and gravel. The project also includes the reclamation of the extraction areas as ponds and riparian habitat.</p> <p>Aggregate production will occur over a fifteen-year period and will be operated year round. The estimated average ore production schedule is 920 tons per day with a total of 1,700,000 tons for the life of the mine. It is estimated that approximately 40,000 gallons of process</p>

		<p>wash water per day will be discharged to a series of settling basins. Water from the last pond in the series will be reused in the wash process. Make-up water will be pumped from an onsite pond. No chemical additives (flocculants) are proposed for use at this Facility. Discharge to surface waters or surface water drainage courses is prohibited. An Industrial Storm Water Permit is not required.</p> <p>The processing area will be reclaimed as open space. The proposed use of the mined area at the end of mining activities is a wakeboard and water ski park with two lakes measuring 16.5 and 22.5 acres.</p>
	c	<p>ORANGE AVENUE DISPOSAL, INC. WASTE DISCHARGE REQUIREMENTS FOR CLOSURE AND POST-CLOSURE MAINTENANCE, ORANGE AVENUE LANDFILL, Fresno County</p> <p>Orange Avenue Disposal, Inc. owns and maintains the Orange Avenue Landfill located south of North Avenue, on the east side of Orange Avenue, within the City of Fresno. The facility is currently regulated by Waste Discharge Requirements Order 5-00-234. The 40-acre facility contains one existing unlined waste management unit covering approximately 30-acres, and ceased accepting waste on 26 June 2007. This order revises the existing Waste Discharge Requirements to provide for the construction of a final cover, post-closure maintenance of the facility, and completion of an evaluation monitoring program and corrective action for groundwater degradation.</p>
	d	<p>MERCED COUNTY REGIONAL WASTE MANAGEMENT AUTHORITY, SPECIAL ORDER MODIFYING WASTE DISCHARGE REQUIREMENTS ORDER NO. R5-2006-0022 FOR CLOSURE OF PHASES 1 TO 4, HIGHWAY 59 SOLID WASTE LANDFILL, Merced County</p> <p>The County of Merced operates the Highway 59 Landfill about 6 miles north of the City of Merced. The facility is owned by the Merced County Regional Waste Management Authority (hereafter referred to as Discharger). The facility is currently regulated by Waste Discharge Requirements Order R5-2006-0022.</p> <p>The 609-acre waste management facility contains four unlined Class III waste management units (Phases 1 to 4) covering approximately 89 acres, two existing single-composite-lined Class III units covering approximately 165 acres (Phases 5 and 6), three Class II surface impoundments, and three storm water retention basins.</p> <p>The Discharger proposes to close Phases 1 to 4 with an engineered alternative final cover system consisting of an evapotranspirative final cover. The proposed evapotranspirative final cover system will be</p>

		<p>utilized as a barrier to infiltrating precipitation. Phases 1 to 4 have a surface area of approximately 89 acres and a height of about 100 feet above the surrounding ground surface.</p> <p>This order modifies Order R5-2006-0022 by adding additional construction specifications for the closure of Phases 1 to 4 and maintenance and monitoring of the final cover. Order R5-2006-0022 remains intact and applicable in all other aspects. (EAM)</p>
--	--	--

RECOMMENDATION: Adopt the proposed waste discharge requirements.

Mgmt. Review _____

Legal Review _____

September 23, 2010

Central Valley Regional Water Quality Control Board meeting

11020 Sun Center Dr. #200

Rancho Cordova, CA 95670