

ITEM: 18

SUBJECT: UNCONTESTED WASTE DISCHARGE REQUIREMENTS

REPORT:

Following are proposed Waste Discharge Requirements Orders 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. COUNTY OF TULARE, OROSI SOLID WASTE LANDFILL, TULARE COUNTY

The County of Tulare, owns and maintains the closed Orosi Solid Waste Landfill (Facility). The Facility is located one mile north of the City of Orosi, at the southeast corner of the intersection of Road 128 and Avenue 428. On 9 September 2009, the Central Valley Regional Board issued Order R5 2009 0107, which continued to classify the Existing Unit as a Class III WMU. This Order continues to classify all onsite WMU as a Class III unit in accordance with Title 27. The Facility ceased receiving waste in the 1973 and the WMU was closed in 2012.

On 23 September 2010, Time Schedule Order (TSO) R5-2010-0107 for the Facility was adopted. The TSO required the closure construction activities to be completed by 10 October 2011 and a final construction report submitted to the Executive Officer for review and approval. All requirements have been completed, and the TSO will be rescinded with the adoption of these Waste Discharge Requirements.

The Facility is on a 40-acre property and the landfill consist of one closed, unlined WMU covering 9 acres. There has been no indication of a release of any waste constituents from the Facility.

**b. GUNNER RANCH, INC. AND MADERA COUNTY SERVICE AREA #22C;
GUNNER RANCH WASTEWATER RECLAMATION PLANT, MADERA
COUNTY**

On 17 July 2006 Richard V. Gunner, on behalf of the Gunner Revocable Trust for the Gunner Ranch West Development and Madera County Service Area #22C, submitted a Report of Waste Discharge (RWD) to discharge tertiary disinfected wastewater from a new wastewater reclamation plant (WRP) to be constructed for the proposed Gunner Ranch West Development (Development), in southeastern Madera County. The Development will include residential, commercial, and light industrial uses as well as public and medical services including Valley Children's Hospital.

Richard V. Gunner signed a License Agreement with Gunner Ranch Inc. to build, construct, and operate public infrastructure for the proposed Development. Upon completion of the Project all land and utilities will be dedicated to Madera County. On 21

July 2014, Madera County approved Resolution 2014-106 establishing Madera County Service Area #22C to provide water and sewer services for the Development. Madera County will have a long-term contractual relationship with Gunner Ranch, Inc. to provide water and sewer service to the new development as it is built. The WRP will be constructed in phases to allow for expansion as the Development grows and will provide tertiary treatment with ultraviolet light (UV) disinfection. Disposal will be by a combination of percolation and reuse for irrigation of landscape and open areas. These WDRs will regulate the WRP for the first four phases identified as Phase 1A, Phase 1, Phase 2, and Phase 3. For the initial phases Phase 1A and Phase 1, disposal will be by percolation only. By the time the WRP reaches Phase 2, the Discharger will submit a Notice of Intent for coverage under State Water Resources Control Board Order WQ 2016-0068-DDW, Water Reclamation Requirements for Recycled Water Use (Reclamation General Order), or any subsequent revision and initiate recycling operations.

The proposed Order sets effluent limits for flow, BOD, TSS, and total nitrogen. In addition, the proposed Order includes effluent limits for total coliform organisms and specifications for turbidity and operation of the UV disinfection system once recycling operations commence. Comments were received from MKN & Associates on behalf of Gunner Ranch, Inc. and Madera County (Dischargers) on 4 November 2019 and were addressed.

c. TEJON-CASTAC WATER DISTRICT AND TEJON RANCHCORP, TEJON MOUNTAIN VILLAGE WATER RESOURCE RECOVERY FACILITY, KERN COUNTY

The Tejon Castac Water District and the Tejon Ranchcorp (collectively called Discharger) are proposing to build the Tejon Mountain Village Water Resource Recovery Facility (WRRF) to serve the needs of the proposed Tejon Mountain Village development in the Tehachapi Mountains south of Bakersfield in Kern County. The Tejon-Castac Water District will own and operate the WRRF after it is constructed. The proposed Tejon Mountain Village will be a resort, residential, second home community located in southwestern Kern County.

The Discharger submitted a Report of Waste Discharge and Title 22 Engineering Report for the proposed reuse of tertiary-treated wastewater from the WRRF on landscape and agricultural areas within the Tejon Mountain Village development (Use Areas). Division of Drinking Water staff issued a conditional acceptance letter on 18 July 2019 for the proposed reuse of tertiary-treated wastewater from the WRRF. The tentative Order requires the Discharger to submit a Notice of Intent for coverage under the State Water Resources Control Board Order WQ 2016 0068 DDW, Water Reclamation Requirements for Recycled Water Use (Reclamation General Order) and be enrolled under the Reclamation General Order prior to commencing reuse of treated wastewater from the WRRF on use areas.

The WRRF will produce disinfected tertiary water that will be used to irrigate residential landscape areas or Use Areas. Tertiary-treated wastewater will be stored in lined effluent storage ponds. The WRRF will initially have an annual average design treatment capacity of 220,000 gallons per day (gpd), with a capacity of 540,000 gpd at full build out. Prior to the construction of the effluent storage ponds, the proposed Order requires the Discharger to submit a Construction Quality Assurance Plan that shall specify the final design of the proposed emergency and winter storage ponds.

d. UNITED STATES AIR FORCE BEALE AIR FORCE BASE WASTEWATER TREATMENT PLANT, YUBA COUNTY

The wastewater treatment plant collects, treats, and disposes domestic and industrial wastewater from 800 on-base buildings. The WWTP consists of headworks, clarifiers, trickling filters, a chlorination unit, effluent ponds, and LAAs. The wastewater is treated to disinfected secondary-23 recycled water requirements.

Effluent from the treatment plant is discharged to a lined effluent pond. A significant source of influent flow to the effluent pond, in addition to the effluent from the wastewater treatment plant, is from groundwater remediation treatment plant Site CG044-013, located at Site 13, which was constructed to remediate trichloroethene in groundwater. The remediation system is operated by the AFCEC, with oversight by the Central Valley Water Board, DTSC, and other regulatory agencies. The groundwater remediation plant was constructed in 1994 and consists of 15 groundwater extraction wells. The remediation system includes an air stripper, controlled by a SCADA system. The system cannot run without all components of the other systems being active, (i.e. the extraction pumps cannot operate without the air stripper blowers and conveyance pumps operating). This prevents a release of untreated water to the effluent pond. Effluent from the remediation treatment system is of higher quality than effluent from the WWTP.

The effluent pond discharges to unlined Pond 4 and is either used to irrigate the on-base, restricted access gold course or to irrigate two irrigation fields.

There are no outstanding issues.

RECOMMENDATION:

Adopt the proposed waste discharge requirements

Central Valley Regional Water Quality Control Board meeting
5/6 December 2019
11020 Sun Center Dr. #200
Rancho Cordova, CA 95670