

Regional Water Quality Control Board
North Coast Region

Executive Officer's Summary Report
Thursday, May 7, 2015
Humboldt County

- ITEM: 2
- SUBJECT: Public Hearing to consider adoption of Order No. R1-2015-0017 Waste Discharge Requirements for the Shelter Cove Wastewater Treatment Facility, WDID No. 1B84086OHUM, NPDES No. CA0023027 (*Lisa Bernard*)
- BOARD ACTION: The Board will consider adoption of Waste Discharge Requirements Order No. R1-2015-0017. The Order will serve as a National Pollutant Discharge Elimination System (NPDES) permit for a period of five years.
- BACKGROUND: The Humboldt County Resort Improvement District No. 1 owns and operates a domestic wastewater and reclamation facility (Facility) that serves a population of approximately 1,500 in Shelter Cove, CA. The Facility has an average dry weather design treatment capacity of 0.17 million gallons per day (mgd), an average wet weather treatment capacity of 0.27 mgd, and a peak daily wet weather treatment capacity of 0.77 mgd. The wastewater treatment plant is an extended aeration, activated sludge system comprised of two oxidation ditches, two clarifiers, chlorine contact chamber and sulfur dioxide dechlorination. The Facility also includes a filtration system for effluent reused for irrigation of the Shelter Cove Golf Course.
- During the winter period, all of the secondary treated effluent is discharged into the surf zone of the Pacific Ocean (Discharge Point 001) within the King Range National Conservation Area. During the spring, summer, and fall, some or all of the treated effluent is discharged to a storage pond (Discharge Point 002) that supplies a spray irrigation system on the Shelter Cove Golf Course, a nine-hole golf course.
- ISSUES: Order No. R1-2015-0017, as proposed, continues to prescribe effluent limitations at Discharge Point 001 for biochemical oxygen demand (BOD) and total suspended solids (TSS). Also, consistent with previous Order No. R1-2009-0094, the proposed Order includes effluent limitations for oil and grease, turbidity, and pH based on the Ocean Plan. In addition, Reclamation Specifications continued in the Proposed Order conform to requirements for the reuse of disinfected and filtered effluent on the golf course. A new effluent limitation for nitrate is established for land application

based on the maximum contaminant level to ensure protection of groundwater.

Correspondence from the Permittee was received timely regarding the draft permit. Staff made minor modifications to the composite sampling timeframes for BOD, TSS, and oil and grease in the Proposed Order in response to those comments. A full explanation of the comments and response is provided in the attached response to comments document. Adoption of the Proposed Order is uncontested.

RECOMMENDATION: Adopt Order No. R1-2015-0017, as proposed.

**SUPPORTING
DOCUMENTS:**

1. Proposed Order No. R1-2015-0017
2. Staff Response to Comments
3. Comment Letter
4. Public Notice