

SUPPLEMENTAL

STATE OF CALIFORNIA
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

MEETING DATE: May 13, 2015

ITEM 5B: Tomales Village Community Services District, Tomales Village Community Services District Wastewater Treatment Plant, Tomales, Marin County – Update of Waste Discharge Requirements

This Supplemental proposes changes to the effluent limits currently in the Revised Tentative Order for biochemical oxygen demand (BOD). The change would prescribe effluent limits that more realistically match this wastewater treatment facility's treatment capability, while remaining consistent with technology-based limits adequate to protect water quality.

The Discharger's previous Board order, adopted in 1986, included effluent limits and routine monitoring for wastewater strength based on the chemical oxygen demand (COD) parameter. The Revised Tentative Order requires the Discharger to henceforth use BOD as the parameter for measuring effluent wastewater strength. The Discharger has previously evaluated effluent quality using both parameters but did not identify a consistent specific correlation between the two parameters. In the absence of known performance capability in terms of BOD, Board staff initially proposed the final effluent limit for BOD as a maximum value of 45 mg/L.

Based on further discussion with the Discharger, Board staff recommends that the effluent limits for BOD be 45 mg/L as a monthly average and 65 mg/L as a single-sample maximum. These limits are consistent with the expected performance of the wastewater treatment facility as reported by the Discharger and consistent with nationwide technology-based standards for secondary treatment by waste stabilization ponds as given in Code of Federal Regulations title 40, section 133.105.

Proposed changes to the Revised Tentative Order are as shown below, with additions shown by underlined text and deletions shown by ~~striketrough~~ text.

Discharge Specification B.5 on page 12 of 17 is proposed to read as follows:

- 5. Final Effluent Quality.** Treated wastewater used for irrigation of the pasture shall meet the following quality limits at all times, ~~in any grab sample~~:

<u>Measured Parameter</u>	<u>Quality Specifications</u>
a. pH	6.5 minimum
b. Biochemical oxygen demand	45 65 mg/L, maximum
c. <u>Biochemical oxygen demand</u>	<u>45 mg/L, monthly average; and</u>
<u>de.</u> Total coliform	240 MPN*/100 ml, maximum median from last 5 samples (* MPN means most probable number).