

**LATE REVISIONS**  
**GRIZZLY LAKE COMMUNITY SERVICES DISTRICT**  
**DELLEKER WASTEWATER TREATMENT PLANT**  
**PLUMAS COUNTY**  
**NPDES Permit Renewal (NPDES No. CA0081744)**  
**Regional Water Quality Control Board, Central Valley Region**  
**Board Meeting – 8 June 2012**  
**ITEM # 27**

**Changes to Proposed NPDES Permit Renewal**

1. **NPDES Permit, Groundwater Limitations.** Section V.B.1.a, Table 8, Page 15.

Modify as shown in underline/strikeout format below:

**Table 8. Groundwater Limitations**

Constituent	Units	Limitation
Total Coliform Organisms	MPN/100 mL	<2.2
Electrical Conductivity @ 25°C <sup>1</sup>	µmhos/cm	900 <u>(annual average)</u>
<del>Total Dissolved Solids<sup>†</sup></del>	<del>mg/L</del>	<del>500</del>
Nitrate Nitrogen, Total (as N)	mg/L	10
Ammonia (as NH <sub>4</sub> )	mg/L	1.5

<sup>1</sup> A cumulative impact limit that accounts for several dissolved constituents in addition to those listed here separately [e.g., alkalinity (carbonate and bicarbonate), calcium, hardness, phosphate, and potassium].

2. **NPDES Permit, Reopener Provisions.** Section VI.C.1.g. Page 21.

Modify as shown in underline/strikeout format below:

**g. Dilution/Mixing Zone Study.** In Order to allow dilution credits for the calculation of WQBELs and the chronic toxicity monitoring trigger, the Discharger must submit an approved Dilution/Mixing Zone Study, in accordance with a work plan submitted to and approved by the Central Valley Water Board, which meets all of the requirements of Section 1.4.2.2 of the SIP. Should the Discharger submit an approved Dilution/Mixing Zone Study that meets the requirements of Section 1.4.2.2 of the SIP, the Central Valley Water Board may reopen this Order to include effluent limitations based on an appropriate dilution factor.

3. **NPDES Permit, Monitoring and Reporting Program**, Section IV.A.1, Table E-5, Page E-6.

Modify as shown in underline/strikeout format below:

**Table E-5. Effluent Monitoring**

Parameter	Units	Sample Type	Minimum Sampling Frequency	Required Analytical Test Method
Acute Toxicity (see Section V. below)	% Survival	Grab	<u>12</u> /Discharge Season	<sup>1</sup>

4. **NPDES Permit, Monitoring and Reporting Program**, Section V.A.1, Page E-8.

Modify as shown in underline/strikeout format below:

1. Monitoring Frequency – The Discharger shall perform acute toxicity testing ~~once~~**twice during each discharge season** (i.e. November 1 through April 30) when discharging to the Middle Fork of the Feather River. Acute toxicity testing shall be conducted concurrent with effluent ammonia sampling.

5. **NPDES Permit, Fact Sheet**, Section IV.D.4.b, Page F-44.

Modify as shown in underline/strikeout format below:

A groundwater limitation for total coliform organisms, EC, ~~TDS~~, Nitrate Nitrogen (Total as N) and ammonia has been included in this order (at or below) the water quality objective for protection of the MUN beneficial use of groundwater.

6. **NPDES Permit, Fact Sheet**, Section V.B.3, Page F-48.

Modify as shown in underline/strikeout format below:

3. Total dissolved solids have the potential to degrade groundwater quality at this site because there is little ability for attenuation in the shallow permeable vadose zone beneath this Facility. The applicable water quality objective to protect the domestic use from discharges of total dissolved solids is the narrative Chemical Constituents objective, which is applied following the “Policy of Application of Water Quality Objectives” in the Basin Plan. A numerical groundwater limitation of ~~500 mg/L for total dissolved solids and~~ EC of 900  $\mu$ mhos/cm (annual average), based on

secondary MCLs, is appropriate to apply the narrative Chemical Constituents objective to protect the unrestricted domestic use of groundwater in the absence of information to support a less protective limit.

7. **NPDES Permit, Fact Sheet, Section VII.B.1.e, Page F-55.**

Modify as shown in underline/strikeout format below:

- e. Mixing Zone/Dilution Study. The Order requires the Discharger to conduct a Dilution/Mixing Zone Study which meets the requirements of Section 1.4.2.2 of the SIP. This Order includes a reopener ~~forte include~~ effluent limitations and the chronic toxicity monitoring trigger, based on an appropriate dilution factor if the Discharger submits and approved Dilution/Mixing Zone Study, makes any necessary physical improvements, and the Central Valley Water Board decides to grant dilution credits and mixing zones.