

California Regional Water Quality Control Board  
Santa Ana Region

**September 5, 2008**

**UPDATE TO THE  
AGENDA**

(Prepared 8/22/08)

The following items have been postponed:

- \*12. Appeal of Staff's Denial of an Exemption from the Minimum Lot Size Requirement – Bertha Bosquez,
- \*10. ProLogis Oleander Business Park, City of Perris, Riverside County

ITEM No. 7

September 5, 2008

**ERRATA SHEET**

**CHANGE TO ORDER NO. R8-2008-0008**

Waste Discharge and Producer/User Reclamation Requirements  
for  
Eastern Municipal Water District  
Regional Water Reclamation Facilities  
Discharge to Groundwater Management Zones  
Within San Jacinto River Basin

(Language deleted is ~~strike through~~)  
(Language added is **bold and shaded**)

- 1. Order No. R8-2008-0008, page 13 of 31, Section IV.A.1.a., modify the last row of Table 6 as follows:

**Table 6. Land Discharge Effluent Limitations at DPs 001 through 005**

Parameter	Units	Effluent Limitations		
		Average Monthly	Average Weekly	Maximum Daily
Phenolic Compounds <b>Phenols</b>	µg/L	--	--	40

- 2. Order No. R8-2008-0008, Attachment E, page E-4, modify Section I.A.8.h. as follows:

h. Quarterly samples: A representative sample shall be taken on any representative day of January, April, July, and October and test results shall be reported in either micrograms/liter (ug/L) or milligrams/liter (mg/L), as appropriate, by **the first day of the second month following the reporting period.** ~~the last day of the month following the month that the sample was taken.~~

- 3. Order No. R8-2008-0008, Attachment E, page E-15, modify Section VII.D. as follows:

**D. TDS/TIN Offset Program (Mitigation Plan) Monitoring and Reporting**

Every quarter, the Discharger shall report the total salt removal accomplished ~~for the month~~ pursuant to the Mitigation Plan, or approved alternative, for each groundwater management zone affected by discharges of recycled water to demonstrate whether offset requirements are being met. For each affected

groundwater management zone, the Discharger shall report quarterly a running balance of salt discharges compared to TDS/TIN removal. If offset is not occurring during the quarterly monitoring period, the quarterly report shall so state and identify when the offset will be achieved.

4. Order No. R8-2008-0008, Attachment E, page E-19, modify Section D. as follows:

**CD.** Other Reports – Not Applicable

5. Order No. R8-2008-0008, Attachment F, page F-12, modify first paragraph of Section II.A.5. as follows:

### **5. TIN/TDS Mitigation Plan**

In May 2005, in anticipation of the permit renewal, the Discharger developed a draft system-wide Mitigation Plan for TDS/TIN discharges in excess of expected effluent limits based on the groundwater management zone objectives. The Mitigation Plan was revised and became final in June 2008 (“Mitigation Plan for Eastern Municipal Water District’s Recycled Water Activities in the San Jacinto River Watershed”, Final, June 2008). The Plan includes a detailed analysis of the existing and expected future recycled water use in each groundwater management zone and the determination of which water quality objectives for TDS and/or TIN for the affected groundwater management zones would be exceeded by the discharges. The Mitigation Plan then details the manner by which TDS and TIN offsets are proposed to be accomplished, monitored and reported. In order to refine the analysis of needed mitigation for TIN discharges, in 2007, the Discharger received grant funding to determine the nitrogen removal rates beneath two sets of recycled water storage ponds within the EMWD service area. These included the on-site storage ponds at the Moreno Valley RWRf, which overlies the Perris North Management Zone, and the Alessandro ponds, which store the recycled water generated from the San Jacinto Valley RWRf. The Alessandro ponds overlie the San Jacinto Upper Pressure Management Zone. The Discharger submitted to Regional Board staff for review the study report, titled ‘*Quantification of Nitrogen Removal Under Recycled Water Ponds*’ **on May 29, 2007** [date]. The report recommended that the nitrogen removal percentage at the Moreno Valley RWRf be set at 73.5 %, and that the nitrogen removal percentage at the Alessandro ponds be set at 64.0 %. On October 16, 2007, EMWD requested that the study results be used to define the nitrogen loss coefficient to be applied in setting total inorganic nitrogen limitations, instead of the default value of 25% that is specified in the Basin Plan. Regional Board staff requested additional monitoring data at the ponds, and that water quality data from the downgradient wells be collected. The Discharger provided the requested additional data. After evaluating the additional data, both Regional Board staff and the Discharger agreed that the nitrogen removal percentage rates are consistent over time. Consequently, the Discharger requested a nitrogen loss coefficient of 60% in calculating the effluent limits for TIN

discharges into on-site storage ponds at Moreno Valley RWRP and into the Alessandro ponds. The Mitigation Plan is based on the assumption that a 60% nitrogen loss coefficient would be applied in setting TIN limits for discharges to the San Jacinto Upper Pressure GMZ and Perris North GMZ. Regional Board staff believes that this is a reasonable and conservative request.