

## PROPOSED LATE REVISIONS – 28 March 2014

- Item 25.** MARIPOSA PUBLIC UTILITY DISTRICT, WASTEWATER TREATMENT FACILITY, MARIPOSA COUNTY – *Consideration of NPDES Permit Renewal (NPDES CA0079430) and Time Schedule Order*

### Provision VI.C.3.a.

Page 15, edit Provision VI.C.3.a. as follows:

- a. **Salinity Evaluation and Minimization Plan.** The Discharger shall prepare a salinity evaluation and minimization plan to identify and address sources of salinity to and from the Facility. The Salinity Evaluation and Minimization Plan shall include an evaluation that identifies and quantifies chemical additives necessary for the proper operation and treatment of the Facility. The Plan shall evaluate and implement feasible methods for reducing the amount of chemical additives that increase the salinity and other constituent concentrations or levels in the discharge, while still providing adequate treatment. The plan shall be completed and submitted to the Central Valley Water Board by ~~<9 months after adoption~~ **180 days prior to the expiration date of this Order**.

### Attachment F – Fact Sheet, Section IV.C.3.c.vi.(a)

Page F-31, edit Section IV.C.3.c.vi.(a) as follows:

#### vi. Nitrate and Nitrite

- (a) **WQO.** DPH has adopted Primary MCLs for the protection of human health for nitrite (as N) and nitrate (as NO<sub>3</sub>) that are equal to 1 mg/L and 45 mg/L, respectively. DPH has also adopted a primary MCL of 10 mg/L for the sum of nitrate and nitrite, measured as nitrogen.

USEPA has developed a primary MCL and an MCL goal of 1 mg/L for nitrite (as nitrogen). For nitrate, USEPA has developed Drinking Water Standards (10 mg/L as Primary MCL) and NAWQC for protection of human health (10 mg/L for non-cancer health effects). ~~Recent toxicity studies<sup>14</sup> have indicated a possibility that nitrate is toxic to aquatic organisms.~~

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<sup>14</sup>~~Camargo, Julio A., Alvaro Alonso, Annabella Salamanca, “Nitrate toxicity to aquatic animals: a review with new data for freshwater invertebrates”. Accepted 25 October 2004-Chemosphere 58 (2005) 1255-1267; Canadian Council of Ministers of the Environment, National Guidelines and Standards Office, “Canadian Water Quality Guidelines for the Protection of Aquatic Life”. 2012; Minnesota Pollution Control Agency, “Developing Surface Water Nitrate Standards and Strategies for Reducing Nitrogen Loading”. December 2010.~~