

**LATE REVISIONS  
CITY OF MANTECA  
WASTEWATER QUALITY CONTROL FACILITY  
SAN JOAQUIN COUNTY**  
NPDES Permit Renewal (NPDES NO. CA0081558)  
Regional Water Quality Control Board, Central Valley Region  
Board Meeting – 18/19 February 2021  
Agenda Item No. 10.b

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**Late Revisions to the proposed NPDES Permit.**

1. **Attachment E – Monitoring and Reporting Program. SECTION VIII. RECEIVING WATER MONITORING REQUIREMENTS.** To clarify the receiving water monitoring requirements, add a column to Table E-8 Receiving Water Monitoring Requirements as shown below that specifies the monitoring location for each parameter:

**Table E-8. Receiving Water Monitoring Requirements**

| <b>Parameter</b>                        | <b>Units</b>   | <b>Sample Type</b> | <b>Minimum Sampling Frequency</b> | <b>Monitoring Location(s)</b> |
|---|----------------|--------------------|-----------------------------------|-------------------------------|
| pH                                      | Standard Units | Grab               | 2/Month                           | RSW-001,<br>RSW-002           |
| Ammonia                                 | mg/L           | Grab               | 1/Month                           | RSW-001,<br>RSW-002           |
| Dissolved Oxygen                        | mg/L           | Grab               | 2/Month                           | RSW-001,<br>RSW-002           |
| Electrical Conductivity @ 25°C          | µmhos/cm       | Grab               | 2/Month                           | RSW-001,<br>RSW-002           |
| Hardness, Total (as CaCO <sub>3</sub> ) | mg/L           | Grab               | 1/Quarter                         | RSW-001,<br>RSW-002           |
| Dissolved Organic Carbon                | mg/L           | Grab               | 1/Quarter                         | RSW-001,<br>RSW-002           |
| Temperature                             | °F             | Grab               | 2/Month                           | RSW-001,<br>RSW-002           |
| Turbidity                               | NTU            | Grab               | 2/Month                           | RSW-001,<br>RSW-002           |
| Flow                                    | cfs            | Meter              | Continuous                        | RSW-003                       |

**2. Attachment F – Fact Sheet. SECTION VII. RATIONALE FOR MONITORING AND REPORTING REQUIREMENTS.**

To clarify the rationale for the monitoring and reporting requirements, revise section VII.D.1.c through f, and add subsections g and h, to read as shown below:

- c. Receiving water monitoring requirements at Monitoring Locations RSW-001 and RSW-002 have been retained from Order R5-2015-0026 for dissolved oxygen (twice per month), pH (twice per month), temperature (twice per month), hardness (quarterly), turbidity (twice per month), and electrical conductivity (twice per month).
- d. Monthly receiving water monitoring for ammonia at Monitoring Locations RSW-001 and RSW-002 has been included to evaluate compliance with the applicable water quality criteria for ammonia.
- e. On 21 December 2018, U.S. EPA finalized updated NAWQC for aluminum in freshwater that reflect the latest science and allow for development of criteria reflecting the impact of local water chemistry on aluminum toxicity to aquatic life. The updated criteria account for the site-specific bioavailability of aluminum in receiving waters, which is dependent on pH, dissolved organic carbon, and hardness. This Order establishes quarterly receiving water monitoring requirements for dissolved organic carbon at Monitoring Locations RSW-001 and RSW-002 in order to collect sufficient data for calculating aquatic life criteria for aluminum in accordance with the 2018 NAWQC.
- f. Receiving water monitoring requirements for TDS has been discontinued at Monitoring Locations RSW-001 and RSW-002. EC monitoring is sufficient to evaluate compliance with the Bay-Delta Plan salinity objectives.
- g. Receiving water monitoring requirements at Monitoring Location RSW-003 have been retained from Order R5-2015-0026 for flow (continuous).
- h. In accordance with section 1.3 of the SIP, periodic monitoring is required for priority pollutants for which criteria or objectives apply and for which no effluent limitations have been established. This Order requires receiving water monitoring for priority pollutants and other constituents of concern bi-monthly between 1 April 2022 and 31 March 2023 at Monitoring Location RSW-001 and has added Monitoring Location RSW-002 in the event that it is the upstream

monitoring location at the time of sampling, in order to collect data to conduct an RPA for the next permit renewal.