# LATE REVISIONS

## AGENDA ITEM 11

10 August 2023 Board Meeting

LATE REVISIONS – 2 August 2023

### Item 11. City of Stockton, Wastewater Control Facility, San Joaquin County

Consideration of Amending Order No. R5-2023-XXXX.

The proposed Order for the City of Stockton (Discharger) Regional Wastewater Control Facility has late revisions to clarify the change in outfalls and clearly identify discharge monitoring locations in the following sections:

#### 1. Make corrections to the language in Waste Discharge Requirements (WDRs) Section VI.C.4.a. and VI.C.4.b as follows:

a. **Filtration System Operating Specifications.** To ensure the filtration system is operating properly to provide adequate disinfection of the wastewater the turbidity of the filter effluent measured shall not exceed:

i. 2 NTU as a daily average;

ii. 5 NTU more than 5 percent of the time within a 24-hour period; and

iii. 10 NTU, at any time.

Effective immediately, the turbidity of the filter effluent shall be measured at EFF-001A when discharging at Discharge Point No. 001A and at FIL-001 when discharging at Discharge Point No. 001B.

b. **Ultraviolet (UV) Disinfection System Operating Specifications.** When discharging from Discharge Point No. 001B, the UV disinfection system must be operated in accordance with an operations and maintenance program that assures adequate disinfection, and shall meet the following minimum specifications to provide virus inactivation equivalent to Title 22 Disinfected Tertiary Recycled Water:

i. **UV Dose.** The minimum hourly average UV dose in the UV reactor shall be 100 millijoules per square centimeter (mJ/cm2).

ii. **UV Transmittance**. The minimum hourly average UV transmittance (at 254 nanometers) in the wastewater measured at UVS-001 shall not fall below 55 percent.

iii. The lamp sleeves and cleaning system components must be visually inspected per the manufacturer’s operations manual for physical wear (scoring, solarization, seal leaks, cleaning fluid levels, etc.) and to check the efficacy of the cleaning system.

iv. The lamp sleeves must be cleaned periodically as necessary to meet the UV dose requirements.

v. Lamps must be replaced per the manufacturer’s operations manual, or sooner, if there are indications the lamps are failing to provide adequate disinfection. Lamp age and lamp replacement records must be maintained.

#### 2. Make corrections to the language in Attachment E, Sections IV.A.2.k and IV.A.2.l as follows:

k. When discharging from Discharge Point No. 001B, monitoring for **chlorine, total residual, and sulfur dioxide/sodium bisulfite** is not required.

l. When discharging at Discharge Point 001A, **turbidity** shall be monitored at EFF-001A. When discharging at Discharge Point 001B, **turbidity** shall be monitored at FIL-001.

#### 3. Make corrections to the language in Attachment E, Section IX.C.1 as follows:

1. **Monitoring Locations UVS-001 and FIL-001.** When discharging from Discharge Point No. 001B, the Discharger shall monitor the filtration system at Monitoring Location FIL-001 and the UV disinfection system at Monitoring Location UVS-001 in accordance with Table E-9 and the testing requirements described in section IX.C.2 below:

| Parameter | Units | Sample Type | Monitoring Location | Minimum Sampling Frequency |
| --- | --- | --- | --- | --- |
| Flow | (MGD) | Meter | UVS-001 | Continuous |
| Turbidity | (NTU) | Meter | FIL-001 | Continuous |
| Number of UV banks in operation | Number | Observation | N/A | Continuous |
| UV Transmittance | Percent (%) | Meter | UVS-001 | Continuous |
| UV Dose |  (mJ/cm 2) | Calculated | N/A | Continuous |

As clarification, an amended Order R5-2020-0007-001 was inadvertently included with the agenda package for this proposed Amending Order that included changes to dates in “Table 3. Administrative Information.” The proposed Order, Amending Order No. R5-2023-XXXX, does not propose to change the dates within “Table 3. Administrative Information” of Order R5-2020-0007 (NPDES Permit CA0079138). The final Amended Order R5-2020-0007-001 will include all changes adopted by the Board in the proposed Order and the late revisions in this document.