CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL VALLEY REGION

ORDER R5-2014-XXXX

AMENDING WASTE DISCHARGE REQUIREMENTS
ORDER R5-2014-0015 (NPDES PERMIT CA0078956)

CITY OF PLACERVILLE
HANGTOWN CREEK WATER RECLAMATION FACILITY
EL DORADO COUNTY

The Central Valley Regional Water Quality Control Board (hereafter Central Valley Water Board) finds that:

1. On 7 February 2014, the Central Valley Water Board adopted Waste Discharge Requirements Order R5-2014-0015 (NPDES Permit), prescribing waste discharge requirements for the City of Placerville, Hangtown Creek Water Reclamation Facility, El Dorado County. For the purposes of this Order, the City of Placerville is hereafter referred to as "Discharger" and the Hangtown Creek Water Reclamation Facility is hereafter referred to as "Facility".

2. The Discharger owns and operates the Facility. The Facility provides sewerage service for the City of Placerville and serves a population of approximately 10,000 people. The Facility is permitted to discharge an average dry weather flow of 2.3 million gallons per day of tertiary treated effluent to Hangtown Creek.

3. The NPDES Permit contains requirements for monitoring effluent, including total coliform organisms, at monitoring station EFF-001 (as shown in Table E-3 of Attachment E of the Permit) and for monitoring the ultraviolet light (UV) disinfection system at monitoring station UVS-001 (as shown in Table E-7).

4. In a letter dated 10 April 2014, the Discharger reported that EFF-001 and UVS-001 are the same monitoring point and that the requirement for monitoring total coliform organisms at both EFF-001 and UVS-001 is duplicative.

5. This Order amends the NPDES Permit to replace all references to UVS-001 with EFF-001, and to remove the duplicative monitoring requirement for total coliform organisms from Table E-7 of Attachment E of the NPDES Permit.

6. Issuance of this Order is exempt from the provisions of the California Environmental Quality Act (Public Resources Code section 21000, et seq.), in accordance with CWC section 13389 and sections 15061(b)(3) and 15321(a)(2), Title 14, of the California Code of Regulations.

7. The Central Valley Water Board has notified the Discharger and interested agencies and persons of its intent to amend Waste Discharge Requirements for this discharge and has provided them with an opportunity to submit their written views and recommendations.

**IT IS HEREBY ORDERED THAT:**

Waste Discharge Requirements (WDR) Order R5-2014-0015 (NPDES Permit CA0078956) is amended to solely remove references to monitoring location UVS-001 and to remove duplicative total coliform organism monitoring requirements from Table E-7. WDR Order R5-2014-0015 is amended as shown in Items 1 through 4, below. This Order is effective upon adoption.

1. Change the Order number throughout to R5-2014-0015-01.

2. Provision VI.C.4.ii is amended in underline/strikethrough format as follows:

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

3. Attachment E, Monitoring and Reporting Program, Section B.1 and Table E-1, are amended in underline/strikethrough format as follows:

**Table E-1. Monitoring Station Locations**

| Discharge Point Name | Monitoring Location Name | Monitoring Location Description |
|---|---|---|
| -- | INF-001 | Composite sampler after grit chamber and before the Parshall flume. |
| 001 | EFF-001 | A location where a representative sample of wastewater can be collected immediately downstream of the ultraviolet light (UV) disinfection system ~~Downstream from UV system~~ and the last connection through which water can be admitted into the outfall. Latitude: 38° 43' 40" N Longitude: 120° 51' 04" W |
| -- | RSW-001 | 100 feet upstream of the point of discharge and not influenced by the discharge of effluent |
| -- | RSW-002 | 1,000 feet downstream of the point of discharge. |
| -- | BIO-001 | Sludge cake from Sludge Belt Presses #1 and #2. |
| ~~--~~ | ~~UVS-001~~ | ~~A location where a representative sample of wastewater can be collected immediately downstream of the ultraviolet light (UV) disinfection system.~~ |
| -- | FIL-001 | Monitoring of the filter effluent to be measured immediately downstream of Gravity Filter MTU1 and prior to the UV disinfection system. |
| -- | FIL-002 | Monitoring of the filter effluent to be measured immediately downstream of Gravity Filter MTU2 and prior to the UV disinfection system. |
| -- | FIL-003 | Monitoring of the filter effluent to be measured immediately downstream of the pressure filters and prior to the UV disinfection system. |

4. Attachment E, Monitoring and Reporting Program, Section IX.B.1 including Table E-7, is amended in underline/strikethrough format as follows:

   **B. Ultraviolet Light (UV) Disinfection System**

### 1. Monitoring Locations ~~UVS~~EFF-001, FIL-001, FIL-002, and FIL-003

The Discharger shall monitor the UV disinfection system at Monitoring Locations ~~UVS~~EFF-001, FIL-001, FIL-002, and FIL-003 as follows:

**Table E-7. Ultraviolet Light Disinfection System Monitoring Requirements**

| Parameter | Units | Sample Type | Monitoring Location | Minimum Sampling Frequency |
|---|---|---|---|---|
| Flow | MGD | Meter | ~~UVS-001~~ EFF-001 [4] | Continuous [1] |
| Turbidity | NTU | Meter | FIL-001, FIL-002, and FIL-003 | Continuous [1,2] |
| Number of UV banks in operation | Number | Observation | N/A | Continuous [1] |
| UV Transmittance | Percent (%) | Meter | ~~UVS-001~~ EFF-001 | Continuous [1] |
| UV Dose [3] | mjoules/cm$^2$ | Calculated | ~~UVS-001~~ EFF-001 | Continuous [1] |
| ~~Total Coliform Organisms~~ | ~~MPN/100 mL~~ | ~~Grab~~ | ~~UVS-001~~ | ~~1/Day~~ |

[1] For continuous analyzers, the Discharger shall report documented routine meter maintenance activities including date, time of day, and duration, in which the analyzer(s) is not in operation. If analyzer(s) fail to provide continuous monitoring for more than two hours and influent and/or effluent from the disinfection process is not diverted for retreatment, the Discharger shall obtain and report hourly manual and/or grab sample results. The Discharger shall not decrease power settings or reduce the number of UV lamp banks in operation while the continuous analyzers are out of service and water is being disinfected.

[2] Report daily average and maximum turbidity.

[3] Report daily minimum hourly UV dose and daily average UV dose. The minimum hourly average dose shall consist of lowest hourly average dose provided in any channel that had at least one bank of lamps operating during the hour interval. For channels that did not operate for the entire hour interval, the dose will be averaged based on the actual operation time.

[4] Flow monitoring at EFF-001 may be used to satisfy the ~~UVS-001~~ UV disinfection system flow monitoring requirement, provided flow was not diverted ~~or added~~ between ~~UVS-001~~ the UV disinfection system and EFF-001.

Any person aggrieved by this action of the Central Valley Water Board may petition the State Water Board to review the action in accordance with CWC section 13320 and California Code of Regulations, title 23, sections 2050 and following. The State Water Board must receive the petition by 5:00 p.m., 30 days after the date that this Order becomes final, except that if the thirtieth day following the date that this Order becomes final falls on a Saturday, Sunday, or state holiday (including mandatory furlough days), the petition must be received by the State Water Board by 5:00 p.m. on the next business day. Copies of the law and regulations applicable to filing petitions may be found on the Internet at: http://www.waterboards.ca.gov/public_notices/petitions/water_quality or will be provided upon request.

I, PAMELA C. CREEDON, Executive Officer, do hereby certify the foregoing is a full, true, and correct copy of an Order adopted by the California Regional Water Quality Control Board, Central Valley Region, on **7/8 August 2014**.

PAMELA C. CREEDON, Executive Officer