



Central Valley Regional Water Quality Control Board

3 December 2024

Monica Fox, Tribal Administrator
Chicken Ranch Rancheria of Me-Wuk
Indians of California
9195 Tribal Way, P.O. Box 1159
Jamestown, California 95327

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REVISED MONITORING AND REPORTING PROGRAM 2016-0068-DDW-R5025-R01; CHICKEN RANCH RANCHERIA OF ME-WUK INDIANS OF CALIFORNIA; CHICKEN RANCH RANCHERIA RECLAMATION PROJECT; TUOLUMNE COUNTY

The Central Valley Regional Water Quality Control Board (Central Valley Water Board) issued Notice of Applicability (NOA) and Monitoring and Reporting Program (MRP) 2016-0068-DDW-R5025 on 30 November 2023 for the Chicken Ranch Rancheria Reclamation Project (Project) located 2.5 miles southwest of Jamestown, CA. On 8 January 2024, the Chicken Ranch Rancheria of Me-Wuk Indians of California (Tribe or Discharger) sent an email that included clarifications and corrections regarding the NOA and MRP. In response, Central Valley Water Board staff revised the Monitoring and Reporting Program (MRP), as follows:

- Table 1 in the MRP was revised to change the sample frequency of Total Coliform Bacteria to once per day.
- Note 5 was added to Table 1 to clarify that monitoring for Total Coliform Bacteria shall begin when the project uses recycled water for uses specified in California Code of Regulations, Title 22 § 60304.

Additionally, staff acknowledges that waste activated sludge (WAS) is stored in the new wastewater treatment facility building until it is hauled offsite for disposal and that no WAS or dewatered sludge is stored outside, as stated in the Discharger's January 2024 email.

Enclosed is an official copy of **Revised MRP 2016-0068-DDW-R5025-R01**, which replaces existing MRP 2016-0068-DDW-R5025. You shall begin implementation of MRP 2016-0068-DDW-R5025-R01 beginning **3 December 2024**.

If you have any questions, please contact Cruz Romero at (559) 445-5036 or by email at Cruz.Romero@Waterboards.ca.gov.

Original Signed by

Bryan C. Rock
Senior Engineering Geologist

Enclosure:

- Revised MRP 2016-0068-DDW-R5025-R01
- NOA 2016-0068-DDW-R5025
- Tribe's 8 January 2024 Email

cc w/encl:

- Chris Moskal, State Water Resources Control Board, OCC (via email)
- Ofelia Romero - Maraccini, State Water Resources Control Board, DDW (via email)
- Omar Mostafa, Central Valley Water Board (via email)
- DWQ-WDR@Waterboards.ca.gov
- RB5S-cvsalts@waterboards.ca.gov

- Joe Brune, Chicken Ranch Rancheria of Me-Wuk Indians of California (via email)
- Ken Shuey, Provost and Pritchard Consulting Group (via email)
- Mark Adams, North Star Engineering (via email)
- Tuolumne County Department of Environmental Health, Sonora
- Tuolumne County Department of Planning, Sonora

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL VALLEY REGION**

**REVISED MONITORING AND REPORTING PROGRAM NO.
WQ 2016-0068-DDW-R5025-R01**

FOR

**CHICKEN RANCH RANCHERIA OF ME-WUK INDIANS OF CALIFORNIA
CHICKEN RANCH RANCHERIA RECLAMATION PROJECT
TUOLUMNE COUNTY**

This Revised Monitoring and Reporting Program (MRP) describes requirements for monitoring the recycled water program for the Chicken Ranch Rancheria of Me-Wuk Indians of California (Tribe). This MRP is issued pursuant to Water Code section 13267. The Tribe (or Administrator) shall not implement any changes to this MRP unless and until a revised MRP is issued by the California Regional Water Quality Control Board, Central Valley Region (Central Valley Water Board) or Executive Officer.

The Administrator has applied for and received coverage for the recycled water program that is subject to the Notice of Applicability (NOA) of WQ 2016-0068-DDW-R5025 enrolling the recycled water program under State Water Resources Control Board (State Water Board) Water Quality Order 2016-0068-DDW, *Water Reclamation Requirements for Recycled Water Use* (General Order). The reports are necessary to ensure that the Administrator complies with the NOA and General Order. Pursuant to California Water Code section 13267, the Administrator shall implement this MRP and shall submit the monitoring reports described herein.

All samples shall be representative of the volume and nature of the discharge or matrix of material sampled. The name of the sampler, sample type (grab or composite), time, date, location, bottle type, and any preservative used for each sample shall be recorded on the sample chain of custody form. The chain of custody form must also contain all custody information including date, time, and to whom samples were relinquished. If composite samples are collected, the basis for sampling (time or flow weighted) shall be approved by Central Valley Water Board staff.

A glossary of terms used in this MRP is included on the last page.

Field test instruments (such as those used to test pH, dissolved oxygen, and electrical conductivity) may be used provided that they are used by a State Water Resources Control Board, Environmental Laboratory Accreditation Program (ELAP) certified laboratory, or:

1. The user is trained in proper use and maintenance of the instruments;
2. The instruments are field calibrated prior to monitoring events at the frequency recommended by the manufacturer;
3. Instruments are serviced and/or calibrated by the manufacturer at the recommended frequency; and

4. Field calibration reports are maintained and available for at least three years.

DISINFECTION SYSTEM MONITORING

Samples from the disinfection system shall be collected from downstream of the disinfection system and analyzed by an approved laboratory per Title 22, section 60321(a). Depending upon the level of disinfection and recycled water application to land, monitoring requirements vary. Disinfection monitoring shall include, at the minimum, the following:

Table 1 - Disinfection System Monitoring

Parameter/Constituent	Units	Sample Type	Sampling Frequency	Reporting Frequency
Flow	mgd	Meter Reading	Continuous (see 1 below)	Annually
Turbidity	NTU	Grab/Meter (see 2 below)	Continuous (see 3 below)	Monthly (see 6 below)
UV trains in operation	Number	Observation	Continuous	Annually
UV Transmittance	Percent	Meter Reading	Continuous	Annually
UV Power Setting	Percent	Meter Reading	Continuous	Annually
UV Dose (see 4 below)	mJ/cm ²	Calculated	Continuous	Annually
Total Coliform Bacteria	MPN/100 mL	Grab (see 5 below)	1/Day	Monthly (see 6 below)

1. For continuous analyzers, the Discharger shall report documented routine meter maintenance activities, including date, time of day, and duration of periods in which the analyzer(s) is(are) not in operation.
2. The turbidity meter shall be stationed immediately after the filters, prior to the UV disinfection process.
3. Report daily average turbidity and maximum turbidity. If the turbidity exceeds 0.5 NTU, collect a sample for total coliform organisms immediately after the UV disinfection system and report the duration of the turbidity exceedance. The additional total coliform organisms' sample shall be in addition to the normally required daily total coliform organisms sample specified in this table.
4. Report daily minimum hourly average UV does and daily average UV dose. The daily minimum hourly average UV dose shall consist of the lowest hourly average dose provided in any train that had at least one bank of lamps operating during the hour interval. For trains that did not operate for the entire hour interval, the does should be averaged based on the actual operation time. If effluent received less than the minimum UV dose, report the duration and dose calculation variables associated with each incident.

5. Monitoring for Total Coliform Bacteria shall be conducted when the Tribe uses recycled water for uses specified in 22 Cal. Code Regs. § 60304. Sample(s) shall be collected immediately after the UV disinfection system.
6. Summarize monthly reports and include in the Annual Report due April 30th.

POND SYSTEM MONITORING

The Administrator shall monitor both treated wastewater storage ponds as specified in **Table 2** below.

Table 2 - Pond System Monitoring

Parameter/Constituent	Units	Sample Type	Sampling Frequency	Reporting Frequency
Dissolved Oxygen	mg/L	Grab	Monthly	Annually
Freeboard	0.1 feet	Measurement	Monthly	Annually
Odors	---	Observation	Monthly	Annually
Berm Condition	---	Observation	Monthly	Annually

USE AREA MONITORING

The Administrator shall monitor the Use Area(s) at a frequency appropriate to determine compliance with the General Order and the Administrator’s recycled water use program requirements. An Administrator may assign monitoring responsibilities to a User as part of the Water Recycling Use Permit Program. The Administrator retains responsibility to ensure the data is collected, as well as prepare and submit the Annual Report.

The following shall be recorded for each User with additional reporting for use areas as appropriate. The frequency of use area inspections shall be based on the complexity and risk of each use area. Use areas may be aggregated to combine acreage for calculations or observation purposes. Use area monitoring shall include the following:

Table 3 – Use Area Monitoring Requirements

Parameter	Units	Sample Type	Sampling Frequency	Reporting Frequency
Recycled Water User	---	---	---	Annually
Recycled Water Flow	gpd	Meter (see 1 below)	Monthly	Annually
Acreage Applied (see 2 below)	acres	Calculated	---	Annually
Application Rate	inches/acre/year	Calculated	---	Annually
Soil Saturation/Ponding	---	Observation	Quarterly	Annually

Parameter	Units	Sample Type	Sampling Frequency	Reporting Frequency
Soil Erosion		Observation	Quarterly	Annually
Nuisance Odor/Vector	---	Observation	Quarterly	Annually
Discharge Off-Site	---	Observation	Quarterly	Annually
Notification Signs (see 3 below)	---	Observation	Quarterly	Annually

1. Meter requires meter reading, a pump run-time meter, or other approved method. The User must measure both the water removed from the effluent storage pond for irrigation and potable water added to the system.
2. Acreage applied denotes the acreage to which the recycled water is applied.
3. Notification signs shall be consistent with the requirements of California Code of Regulations, title 22 section 60310 (g).

REPORTING

In reporting monitoring data, the Administrator shall arrange the data in tabular form so that the date, sample type (e.g., effluent, solids, etc.), and reported analytical or visual inspection results are readily discernable. The data shall be summarized to clearly illustrate compliance with the General Order and NOA as applicable. The results of any monitoring done more frequently than required at the locations specified in the MRP shall be reported in the next regularly scheduled monitoring report and shall be included in calculations as appropriate.

All regulatory documents, submissions, materials, data, monitoring reports, and correspondence should be converted to a searchable Portable Document Format (PDF) and submitted electronically. Documents that are less than 50MB should be emailed to: centralvalleyfresno@waterboards.ca.gov. Documents that are 50MB or larger should be transferred to a disk and mailed to the appropriate Regional Water Board office, in this case 1685 E Street, Fresno, CA 93706. To ensure that your submittals are routed to the appropriate staff, the following information block should be included in any email used to transmit documents to this office:

Program: Non-15
Place ID: 880054
Facility Name: Chicken Ranch Rancheria Reclamation Project
Order: 2016-0068-DDW-R5025-R01

A. Annual Report

Annual Reports shall be submitted to the Regional Water Board **by April 1st following the monitoring year**. The Annual Report shall include the following:

1. A summary table of all recycled water Users and use areas. Maps may be included to identify use areas. Newly permitted recycled water Users and use

- areas shall be identified. Recycled Water Use Permits issued over the past year shall be included with the annual report. When applicable, supplements to the Title 22 Engineering Report and the State Water Board approval letter supporting those additions shall be included.
2. A summary table of all inspections and enforcement activities initiated by the Administrator. Include a discussion of compliance and the corrective action taken, as well as any planned or proposed actions needed to bring the discharge into compliance with the NOA and/or General Order. Copies of documentation of any enforcement actions taken by the Administrator shall be provided.
 3. An evaluation of the performance of the recycled water treatment facility, including discussion of capacity issues, system problems, and a forecast of the flows anticipated in the next year.
 4. Tabular and graphical summaries of all monitoring data collected during the year, including priority pollutant monitoring, if required.
 5. The name and contact information for the recycled water operator responsible for operation, maintenance, and system monitoring.

B. State Water Board Volumetric Annual Reporting

Per [State Water Resources Control Board's Water Quality Control Policy](https://www.waterboards.ca.gov/water_issues/programs/water_recycling_policy/) (https://www.waterboards.ca.gov/water_issues/programs/water_recycling_policy/), amended in December 2018, dischargers of treated wastewater and recycled water are required to report annually monthly volumes of influent, wastewater produced, and effluent, including treatment level and discharge type. The Discharger shall submit an annual report to the State Water Board by **April 30 of each calendar year** furnished with the information detailed below. The Discharger must submit this annual report containing monthly data in electronic format via the [State Water Board's Internet GeoTracker system](https://geotracker.waterboards.ca.gov/) (<https://geotracker.waterboards.ca.gov/>). Required data shall be submitted to the GeoTracker database under a site-specific global identification number. Any data will be made publicly accessible as machine readable datasets. The Discharger must report all applicable items listed below:

1. **Influent.** Monthly volume of wastewater collected and treated by the wastewater treatment plant.
2. **Production.** Monthly volume of wastewater treated, specifying level of treatment.
3. **Discharge.** Monthly volume of treated wastewater discharged to land, where beneficial use is not taking place, including evaporation or percolation ponds, overland flow, or spray irrigation disposal, excluding pasture of fields with harvested grounds.
4. **Reuse.** Monthly volume of recycled water distributed.

5. **Reuse Categories.** Annual volume of treated wastewater distributed for beneficial use in compliance with California Code of Regulations, title 22 in each of the use categories listed below:
- a. Agricultural irrigation: pasture or crop irrigation.
 - b. Landscape irrigation: irrigation of parks, greenbelts, and playgrounds; school yards; athletic fields; cemeteries; residential landscaping, common areas; commercial landscaping; industrial landscaping; and freeway, highway, and street landscaping.
 - c. Golf course irrigation: irrigation of golf courses, including water used to maintain aesthetic impoundments within golf courses.
 - d. Commercial application: commercial facilities, business use (such as laundries and office buildings), car washes, retail nurseries, and appurtenant landscaping that is not separately metered.
 - e. Industrial application: manufacturing facilities, cooling towers, process water, and appurtenant landscaping that is not separately metered.
 - f. Geothermal energy production: augmentation of geothermal fields.
 - g. Other non-potable uses: including but not limited to dust control, flushing sewers, fire protection, fill stations, snow making, and recreational impoundments.
 - h. Groundwater recharge: the planned use of recycled water for replenishment of a groundwater basin or an aquifer that has been designated as a source of water supply for a public water system. Includes surface or subsurface application, except for seawater intrusion barrier use.
 - i. Reservoir water augmentation: the planned placement of recycled water into a raw surface water reservoir used as a source of domestic drinking water supply for a public water system, as defined in section 116275 of the Health and Safety Code, or into a constructed system conveying water to such a reservoir (Water Code § 13561).
 - j. Raw water augmentation: the planned placement of recycled water into a system of pipelines or aqueducts that deliver raw water to a drinking water treatment plant that provides water to a public water system as defined in section 116275 of the Health and Safety Code (Water Code § 13561).
 - k. Other potable uses: both indirect and direct potable reuse other than for groundwater recharge, seawater intrusion barrier, reservoir water augmentation, or raw water augmentation.

A letter transmitting the annual monitoring reports shall accompany each report. The letter shall report number and severity of violations found during the reporting period, and actions taken or planned to correct the violations and prevent future violations. The transmittal letter shall contain the following penalty of perjury statement and shall be signed by the Administrator or the Administrator's authorized agent:

"I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment."

The Administrator shall begin implementing the above monitoring program on **3 December 2024**.

Ordered by:

Original Signed by Alexander S. Mushegan

For PATRICK PALUPA, Executive Officer

3 December 2024

(Date)

GLOSSARY

BOD ₅	Five-day biochemical oxygen demand
DO	Dissolved oxygen
CT	The product of total chlorine residual and modal contact time measured at the same point.
EC	Electrical conductivity at 25° C
FDS	Fixed dissolved solids
TDS	Total dissolved solids
TKN	Total Kjeldahl nitrogen
TSS	Total suspended solids
Continuous	The specified parameter shall be measured by a meter continuously.
24-hr Composite	Samples shall be a flow-proportioned composite consisting of at least eight aliquots over a 24-hour period.
Daily	Every day except weekends or holidays
Twice Weekly	Twice per week on non-consecutive days
Weekly	Once per week
Twice Monthly	Twice per month during non-consecutive weeks
Monthly	Once per calendar month
Quarterly	Once per calendar quarter
Semiannually	Once every six calendar months (i.e., two times per year) during non-consecutive quarters.
Annually	Once per year
mg/L	Milligrams per liter
mg/kg	Milligrams per kilogram
mgy	Million gallons per year
mL/L	Milliliters [of solids] per liter
µg/L	Micrograms per liter
µmhos/cm	Micromhos per centimeter
gpd	Gallons per day
mgd	Million gallons per day
MPN/100 mL	Most probable number [of organisms] per 100 milliliters
NA	Denotes not applicable
NTU	Nephelometric Turbidity Units
UV	Ultraviolet
mJ/cm ²	Millijoules/cm ²
SU	Standard pH unit