# California Regional Water Quality Control Board
## North Coast Region
### Bob Anderson, Chairman

Linda S. Adams
*Secretary for Environmental Protection*

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Arnold Schwarzenegger
*Governor*


**ORDER NO. R1-2008-0091**
**NPDES PERMIT NO. CA0022764**

**MINOR MODIFICATIONS OF ORDER NO. R1-2006-0045**

**FOR**

**SANTA ROSA SUBREGIONAL WATER RECLAMATION SYSTEM**

The California Regional Water Quality Control Board, North Coast Region, hereinafter referred to as the Region Water Board, finds that:

## Findings

1. Incorporation of related documents: The Staff Report for this Order includes additional explanatory information in support of this permit modification. This information, including any supplements thereto, and any future response to comments on the Order, is incorporated herein by this reference.

### Existing Order

2. On September 20, 2006, the Regional Water Board re-issued waste discharge requirements (NPDES Permit No. CAS00222764, Order No. R1-2006-0045, hereinafter Permit) under the National Pollutant Discharge Elimination System (NPDES) to the City of Santa Rosa (hereinafter Discharger) to discharge treated wastewater from the Santa Rosa Subregional Water Reclamation System (hereinafter Subregional System). This Permit will expire on November 9, 2011.

3. The Discharger has requested that the Regional Water Board make two minor modifications to the existing Permit that better clarify permit conditions, and several modifications to the Monitoring and Reporting Program based on new information that was not available at the time the Permit was issued and that justify monitoring requirement adjustments. Regional Water Board staff have reviewed the request and find that the Discharger's proposed changes are appropriate.

### Applicable Federal, State, and Regional Regulations

4. Pursuant to 40 CFR Sections 124.5(c)(2) and 122.62, only those conditions to be modified by this amendment shall be reopened with this amendment. All other aspects of the existing Permit shall remain in effect and are not subject to modification by this amendment.

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5. Under Water Code section 13389, this action to modify an NPDES permit is exempt from the provisions of Chapter 3 of California Environmental Quality Act.

**Notification to Permittees and Interested Parties**

6. The Discharger and interested agencies and persons have been notified of the Regional Water Board's intent to modify waste discharge requirements for the existing discharge and have been provided opportunities for public meetings and to submit their written views and recommendations.

IT IS HEREBY ORDERED that the Discharger, in order to meet the provisions contained in Division 7 of the California Water Code and regulations adopted hereunder and the provisions of the Clean Water Act as amended, shall comply with the following revisions:

On page 11 of the Order, modify section V.A.1.b to read:

b. Disinfection: The disinfected effluent, sampled in each of the three effluent discharge channels shall not contain concentrations of total coliform bacteria exceeding the following concentrations:

i. The median concentration of the discharge channels shall not exceed a Most Probable Number (MPN) of 2.2 per 100 milliliters, using the bacteriological results of the last seven days for which analyses have been completed.

On Page 12, Table 8, Footnote 4, of the Order, change to read:

[4] If, as a result of a nutrient TMDL for the Laguna de Santa Rosa, a WLA for nitrate or total nitrogen is numerically lower than 10.0 mg/l (as N), then the final WQBELs for nitrate will be determined by an approved TMDL for the Laguna de Santa Rosa.

Modify monitoring requirements for mercury, acenaphthene, and pyrene in Table 4 of the Monitoring and Reporting Program (Attachment E) as follows:

**Table 4. Effluent Monitoring for Surface Water Discharge**

| Parameter | Units | Sample Type | Minimum Sampling Frequency | Required Test Method |
|---|---|---|---|---|
| Mercury | µg/L | Grab | Quarterly | USEPA Method 1631E |
| Acenaphthene | µg/L | Grab | Monthly | USEPA Method 625 |
| Pyrene | µg/L | Grab | Monthly | USEPA Method 625 |

Modify minimum monitoring frequencies for pH, dissolved oxygen, temperature, turbidity, and specific conductance in Tables 4, 5, and 6 of the Monitoring and Reporting Program (Attachment E) as follows:

**Table 4. Effluent Monitoring for Surface Water Discharge**

| Parameter | Units | Sample Type | Minimum Sampling Frequency | Required Test Method |
|---|---|---|---|---|
| Hydrogen Ion | pH | Continuous | 2 weeks per month | Standard Methods |
| Dissolved Oxygen | mg/L | Continuous | 2 weeks per month | Standard Methods |
| Turbidity | NTU | Continuous | 2 weeks per month | Standard Methods |
| Temperature | °C | Continuous | 2 weeks per month | Standard Methods |
| Specific Conductivity | µmhos/cm | Continuous | 2 weeks per month | Standard Methods |

**Table 5. Upstream Receiving Water Monitoring**

| Parameter | Units | Sample Type | Minimum Sampling Frequency | Required Test Method |
|---|---|---|---|---|
| Hydrogen Ion | pH | Continuous | 2 weeks per month | Standard Methods |
| Dissolved Oxygen | mg/L | Continuous | 2 weeks per month | Standard Methods |
| Turbidity | NTU | Continuous | 2 weeks per month | Standard Methods |
| Temperature | °C | Continuous | 2 weeks per month | Standard Methods |
| Specific Conductivity | µmhos/cm | Continuous | 2 weeks per month | Standard Methods |

**Table 6. Downstream Receiving Water Monitoring**

| Parameter | Units | Sample Type | Minimum Sampling Frequency | Required Test Method |
|---|---|---|---|---|
| Hydrogen Ion | pH | Continuous | 2 weeks per month | Standard Methods |
| Dissolved Oxygen | mg/L | Continuous | 2 weeks per month | Standard Methods |
| Turbidity | NTU | Continuous | 2 weeks per month | Standard Methods |
| Temperature | °C | Continuous | 2 weeks per month | Standard Methods |
| Specific Conductivity | µmhos/cm | Continuous | 2 weeks per month | Standard Methods |

Modify minimum effluent monitoring frequency for mercury in Table 3 of the Monitoring and Reporting Program (Attachment E) as follows:

**Table 3. Effluent Monitoring for Treatment Plant Final Effluent**

| Parameter | Units | Sample Type | Minimum Sampling Frequency | Required Test Method |
|---|---|---|---|---|
| Mercury | µg/L | Grab | Quarterly | USEPA Method 1631E |

Modify minimum monitoring frequencies for cyanide, copper, lead, and nickel in Table 4 of the Monitoring and Reporting Program (Attachment E) as follows:

**Table 4. Effluent Monitoring for Surface Water Discharge**

| Parameter | Units | Sample Type | Minimum Sampling Frequency | Required Test Method |
|---|---|---|---|---|
| Copper | µg/L | Grab | Quarterly | USEPA Method 200.8 |
| Lead | µg/L | Grab | Quarterly | USEPA Method 200.8 |
| Nickel | µg/L | Grab | Quarterly | USEPA Method 200.8 |
| Cyanide | µg/L | Grab | Quarterly | USEPA Method 335.4 |
| Mercury | µg/L | Grab | Quarterly | USEPA Method 1631E |

Certification:

I, Catherine Kuhlman, Executive Officer, do hereby certify that the foregoing is a full, true, and correct copy of an order adopted by the California Regional Water Quality Control Board, North Coast Region, on July 24, 2008.

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Catherine Kuhlman
Executive Officer