

California Regional Water Quality Control Board
North Coast Region

ORDER NO. R1-2002-0032
I.D. NO. 1B02010RHUM

WASTE DISCHARGE REQUIREMENTS

FOR

HUMBOLDT COUNTY DEPARTMENT OF PUBLIC WORKS
MAPLE HILLS ROAD BRIDGE REPAINTING

Humboldt County

The California Regional Water Quality Control Board, North Coast Region, (hereinafter Regional Water Board) finds that:

1. The Humboldt County Department of Public Works (hereinafter discharger) submitted a Report of Waste Discharge on February 8, 2002 for repainting of the County-owned Maple Hills Road Bridge No. 4C-0089. The bridge is located over the South Fork Eel River on Maple Hills Road No C6C010, 1.5 miles northwest of Phillipsville, CA, as shown in Attachment "A" incorporated herein and made part of this Order. The project is located in SW ¼ Section 11, T3S, R3E, USGS Miranda 7.5' Quadrangle.
2. The severely corroded areas of Maple Hills Road Bridge (5%-10% of the steel surface) will be primed for painting using abrasive spot blasting and high-pressure wash. The washwater will be potable water at 65 C and 17-21 MPa. The spot blasted areas will be spot primed first, and then all of the bridge steelwork will be primed. A moisture cured urethane paint will be used for both the prime and finish coats. The existing paint system contains lead, which requires 100% containment of both the paint debris and abrasive from blasting operations. Washwater and visible dust produced when the existing paint system is disturbed will also be 100% contained.
3. This project has a 2B rating for threat to water quality and complexity, pursuant to California Code of Regulations (CCR) § 2200. The permittee has submitted a fee of \$900.00 for this project.
4. Lead is a toxic heavy metal pollutant and bioaccumulates in animal tissues. The U.S. Environmental Protection Agency primary maximum contaminant level (MCL) for lead in drinking water is 15 parts per billion (ppb), with the MCL Goal of 0 ppb. The U.S. Environmental Protection Agency Health Advisory lists lead as a probable human carcinogen. The Water Quality Control Plan for the North Coast Region states "All waters shall be maintained free of toxic substances in concentrations that are toxic to, or that produce detrimental physiological responses in humans, plant, animal, or aquatic life."
5. The report of waste discharge indicates that the containment system will contain all debris, blasting material, washwater, and visible dust produced when the existing paint system is disturbed, so that lead will not escape

into the environment. All waste will be placed in leak proof containers that will be trucked by a qualified company to an approved Class I disposal facility. Temporary debris storage on the ground will not be allowed. All debris and other materials to be removed from the site will be removed before the end of each work shift.

6. The discharger will use a ventilated containment structure or vacuum shrouded surface preparation equipment with drapes, tarps, or other materials. All mating joints between the containment structure and the bridge will be sealed, in order to contain all materials. The exhaust airflow of the ventilation system in the ventilated containment structure will be forced into dust collectors or bag houses.
7. This project is not subject to federal storm water regulations because earth disturbed by construction activities will be less than five acres in area. The provisions of this Order require implementation of Best Management Practices (BMP's) to control and abate the discharge of pollutants during construction in storm water discharges to achieve compliance with water quality standards.
8. Approximate relevant target dates for bridge repainting activities are as follows:

June 2003 Project start.

October 15, 2003 Project completion.
9. The "Water Quality Control Plan for the North Coast Region" (Basin Plan) includes water quality objectives, implementation plans for point source and nonpoint source discharges, prohibitions, and statewide plans and policies.
10. The beneficial uses of the South Fork Eel River include:
 - a. municipal and domestic supply
 - b. agricultural supply
 - c. industrial service supply
 - d. groundwater recharge
 - e. water contact recreation
 - f. noncontact water recreation
 - g. commercial and sport fishing
 - h. cold freshwater habitat
 - i. wildlife habitat
 - j. preservation of rare, threatened or endangered species
 - k. migration of aquatic organisms
 - l. spawning, reproduction, and/or early development
 - m. aquaculture
11. The beneficial uses of areal groundwaters include:
 - a. domestic water supply
 - b. agricultural water supply
 - c. industrial service supply
 - d. industrial process supply

12. This project is categorically exempt from provisions of the California Environmental Quality Act (Public Resources Code Section 21000 et seq.) (CEQA). The project consists of maintaining an existing bridge facility and, therefore, is categorically exempt from CEQA pursuant to 14 CCR Section 15301.
13. The permitted discharge is consistent with the provisions of State Water Board Resolution No. 68-16, *Statement of Policy with Respect to Maintaining High Quality of Waters in California*. The impact on existing water quality will be insignificant.
14. The Regional Water Board has notified the discharger and interested agencies and persons of its intent to prescribe waste discharge requirements for the discharge and has provided them with an opportunity to submit their written comments and recommendations.
15. The Regional Water Board, in a public meeting, heard and considered all comments pertaining to the discharge.

THEREFORE, IT IS HEREBY ORDERED that the Humboldt County Department of Public Works, in order to meet the provisions contained in Division 7 of the California Water Code and regulations adopted thereunder, shall comply with the following:

A. DISCHARGE PROHIBITIONS

1. The discharge of any waste not specifically regulated by this Order is prohibited.
2. Creation of a pollution, contamination, or nuisance, as defined by Section 13050 of the California Water Code (CWC), is prohibited.
3. The discharge of waste to land that is not under the control of the discharger is prohibited, except as authorized under **B. SOLIDS DISPOSAL**.
4. The discharge of domestic waste, treated or untreated, to surface waters is prohibited.
5. The discharge of sandblasting wastes, paint debris, wash waters, construction and demolition wastes, and paints to the South Fork Eel River or its tributaries, or to locations where these materials could pass into South Fork Eel River or its tributaries is prohibited.
6. The operation of construction equipment in the South Fork Eel River is prohibited.

B. SOLIDS DISPOSAL

1. Solid waste¹ removed from the job site shall be disposed of at a legal point of disposal, and in accordance with the provisions of Title 27, Division 2, Subdivision 1 of the California Code of Regulations or as waived pursuant to Section 13269 of the California Water Code.

C. PROVISIONS

1. Fuel Storage

The storage and use of any fuels, oils or toxic substances at the project location or offsite staging areas shall be managed to prevent discharges of waste. All spills and leaks shall be cleaned up immediately and all contaminated materials shall be disposed of at an approved disposal site.

2. Water Pollution Control Plan

The discharger shall submit a Water Pollution Control Plan at least thirty days prior to commencement of the project. The plan shall describe the chronology of construction activities for this project and Best Management Practices to be employed.

3. Waste Disposal

Excess earthen materials, demolition materials and organic material generated during the project shall be disposed at sites approved by the Regional Water Board, as provided in Title 27, Division 2, Subdivision 1 of the California Code of Regulations. If a disposal site is to be used that has not been previously approved by the Regional Water Board, the discharger shall obtain approval of the new disposal site at least 30 days prior to initiation of proposed work.

4. Operation and Maintenance

The discharger shall maintain in good working order and operate as efficiently as possible any facility or control system installed by the discharger to achieve compliance with the waste discharge requirements.

5. Availability

A copy of this Order shall be maintained at the discharge facility and be available at all times to operating personnel.

6. Waste Containment

The discharger shall have a resident engineer monitoring the site to insure the effectiveness of the containment system. The system shall be approved by the site Engineer prior to commencement of work by the contractor. The Engineer shall also be responsible for assuring compliance with this Order. The discharger shall establish a liaison contact with Regional Water Board staff for the purpose of assuring that compliance with this Order is maintained. A list of designated

¹ Solid waste includes: construction debris, demolition debris, soil, silt, bark, slash, sawdust, or other organic or earthen material.

liaison personnel, addresses, telephone numbers, and specific area of responsibility shall be submitted one month prior to commencement of the construction.

7. Severability

Provisions of these waste discharge requirements are severable. If any provision of these requirements is found invalid, the remainder of these requirements shall not be affected.

8. Vested Rights

This Order does not convey any property rights of any sort or any exclusive privileges. The requirements prescribed herein do not authorize the commission of any act causing injury to persons or property, nor protect the discharger from liability under federal, State, or local laws, nor create a vested right for the discharger to continue the waste discharge.

9. Monitoring

The discharger shall comply with the Contingency Planning and Notification Requirements Order No. 74-151 and Monitoring and Reporting Program No. R1-2002-0032 and any modifications to these documents as specified by the Executive Officer of the Regional Water Board (Executive Officer). Such documents are attached to this Order and incorporated herein. Analyses shall be conducted at a laboratory certified for such analyses by the State Department of Health Services.

10. Inspections

The discharger shall permit authorized staff of the Regional Water Board:

- a. entry upon premises in which an effluent source is located or in which any required records are kept;
- b. access to copy any records required to be kept under terms and conditions of this Order;
- c. inspection of monitoring equipment or records; and
- d. sampling of any discharge.

11. Noncompliance

In the event the discharger is unable to comply with any of the conditions of this Order due to:

- a. breakdown of waste treatment equipment;
- b. accidents caused by human error or negligence; or
- c. other causes such as acts of nature;

The discharger shall notify the Executive Officer by telephone as soon as he or his agents have knowledge of the incident and confirm this notification in writing within two weeks of the telephone notification. The written notification shall include pertinent information explaining reasons for the noncompliance and shall indicate the steps taken to correct the problem and the dates thereof, and the steps being taken to prevent the problem from recurring.

12. Expiration

This Order expires on October 15, 2003 or upon completion of the bridge maintenance project, whichever occurs first. If the discharger wishes to continue an activity regulated by this Order after the expiration date of this Order, the discharger shall apply for and obtain new Waste Discharge Requirements. A new report of waste discharge must be submitted to the Regional Water Board at least 120 days in advance of adoption of new Waste Discharge Requirements.

Certification

I, Susan A. Warner, 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 May 16, 2002.

Susan A. Warner
Executive Officer