



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

March 3, 2009

In the Matter of

Water Quality Certification

for the

California Department of Transportation
Highway 101 – Rehabilitate Drainage Project (Monschke undercrossing)
WDID No. 1B08176WNHU

APPLICANT: California Department of Transportation
RECEIVING WATER: Unnamed Tributaries to Eel River and Riparian Zones
HYDROLOGIC AREA: Eel River Hydrologic Unit No. 111.00
Benbow Hydrologic Sub-Area No. 111.32
COUNTY: Humboldt
FILE NAME: CDOT - Highway 101 Rehabilitate Drainage Project
(Monschke undercrossing)

BY THE EXECUTIVE OFFICER:

1. On December 9, 2008, the California Department of Transportation (Caltrans) filed an application for water quality certification under section 401 of the Clean Water Act (33 U.S.C. § 1341) with the California Regional Water Quality Control Board, North Coast Region (Regional Water Board) for activities associated with the Highway 101 Rehabilitate Drainage Project (project). A fee of \$500 was submitted for the project on December 9, 2008. Additional information for the project was submitted on January 14, 2009. The Regional Water Board provided public notice of the application pursuant to title 23, California Code of Regulations, section 3858 on January 20, 2009, and posted information describing the project on the Regional Water Board's website. No comments were received.
2. The project is located on Highway 101 from post mile (PM) 12.94 to 13.07, in Humboldt County. The purpose of the proposed project is to repair and reconstruct two culverts beneath the highway that are severely corroded and have become

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prone to failure. The project will result in temporary impacts to waters of the U.S and waters of the State. The proposed work includes the installation of a 300-foot long and 36-inch diameter plastic pipe liner within the culvert located at PM 12.94 and concrete paving and imbedding of steel planking within the culvert located at PM 13.04. Work will be performed from the inlets and outlets of the culverts, which requires the construction of temporary access roads. The project may require a water diversion to prevent surface waters from contacting wet concrete. Caltrans will utilize Best Management Practices (BMPs) to provide erosion control and pollution prevention throughout the project area during construction.

3. Caltrans has determined that temporary impacts to waters of the U.S. (unnamed tributaries to Eel River) would total 600 feet² (0.014 acres). However, the proposed project will only be a repair to the existing facilities and will not result in any new permanent impacts to waters of the U.S. or State. Compensatory mitigation will not be required for the proposed project. All graded areas within the project affected by the construction activities will be appropriately stabilized and/or replanted with appropriate native vegetation.
4. Caltrans has applied for authorization from the United States Army Corps of Engineers to perform the project under their Nationwide Permits No. 3 (maintenance) and No. 13 (bank stabilization) pursuant to Clean Water Act, section 404. Caltrans has also applied for a California Department of Fish and Game (CDFG) Streambed Alteration Agreement. Caltrans has determined that this project is categorically exempt from California Environmental Quality Act (CEQA) review (Class 1 Categorical Exemption). In addition, Regional Water Board staff also determined that this project is categorically exempt from CEQA review (Class 1 Categorical Exemption) and anticipates filing a Notice of Exemption.
5. The project activity is scheduled to be conducted between May 2009 and October 2009; however, the work may be delayed into the following season pending the acquisition of appropriate funds. Work in all drainages will only be performed during dry weather between May 15 and October 15.

Receiving Water: Unnamed tributaries to Eel River and Riparian Zones

Filled or Excavated Area: Temporary Impacts: 600 feet² (0.014 acres)
Permanent Impacts: None

Latitude/Longitude: 40.1250 N / 123.7974 W

Expiration: March 3, 2014

ACCORDINGLY, BASED ON ITS INDEPENDENT REVIEW OF THE RECORD, THE REGIONAL WATER BOARD CERTIFIES THAT THE CALTRANS HIGHWAY 101 REHABILITATE DRAINAGE PROJECT [MONSCHKE UNDERCROSSING (FACILITY

NO. 1B08176WNHU)], as described in the application will comply with sections 301, 302, 303, 306 and 307 of the Clean Water Act, and with applicable provisions of state law, provided that the Caltrans complies with the following terms and conditions:

1. This certification action is subject to modification or revocation upon administrative or judicial review; including review and amendment pursuant to Water Code section 13330 and title 23, California Code of Regulations, section 3867.
2. This certification action is not intended and shall not be construed to apply to any discharge from any activity involving a hydroelectric facility requiring a Federal Energy Regulatory Commission (FERC) license or an amendment to a FERC license unless the pertinent certification application was filed pursuant to title 23, California Code of Regulations, section 3855, subdivision (b) and the application specifically identified that a FERC license or amendment to a FERC license for a hydroelectric facility was being sought.
3. The validity of any nondenial certification action (actions 1 and 2) shall be conditioned upon total payment of the full fee required under title 23, California Code of Regulations, section 3833, unless otherwise stated in writing by the certifying agency.
4. Except as may be modified by any preceding conditions, all certification actions are contingent on: a) the discharge being limited and all proposed mitigation being completed in strict compliance with the Applicant's project description, and b) compliance with all applicable requirements of the Basin Plan.
5. Caltrans shall construct the project in accordance with the conditions described in the application and the findings above, and shall comply with all applicable water quality standards.
6. Any change in the implementation of the project that would have a significant or material effect on the findings, conclusions, or conditions of this Order shall be submitted to the Executive Officer of the Regional Water Board for prior review and written approval.
7. The Regional Water Board may add to or modify the conditions of this Order, as appropriate, to implement any new or revised water quality standards and implementation plans adopted and approved pursuant to the Porter-Cologne Water Quality Control Act or Section 303 of the Clean Water Act.
8. Caltrans shall provide Regional Water Board staff access to the project site to document compliance with this Order.

9. Caltrans shall provide a copy of this Order and attachments to the contractor and all subcontractors conducting the work, and require that copies remain in their possession at the work site. Caltrans shall be responsible for work conducted by its contractor or subcontractors.
10. If, at any time, there is an unauthorized discharge to surface water (including wetlands, rivers or streams), or any water quality problem arises, the associated project activities shall cease immediately until adequate BMPs are implemented. The Regional Water Board shall be notified promptly and in no case more than 24 hours after the unauthorized discharge or water quality problem arises.
11. No debris, soil, silt, sand, bark, slash, sawdust, rubbish, cement or concrete or concrete washings, welding slag, oil or petroleum products, or other organic or earthen material from any construction or associated activity of whatever nature, other than that authorized by this Order, shall be allowed to enter into or be placed where it may be washed by rainfall into waters of the State. No rubbish shall be deposited within 100 feet of waters of the U.S. and/or the State.
12. When operations are complete, any excess material or debris shall be removed from the work area and disposed of properly and in accordance with the Special Provisions for the project and/or Standard Specification 7-1.13, Disposal of Material outside the Highway Right of Way. Caltrans shall submit to the Regional Water Board the satisfactory evidence provided to the Caltrans engineer by the Contractor referenced in Standard Specification 7-1.13.
13. Work in flowing or standing surface waters, unless otherwise proposed in the application and approved by the Regional Water Board, is prohibited. If construction dewatering is found to be necessary, the Applicant shall use a disposal method other than disposal to surface waters (such as land disposal) or the Applicant shall apply for coverage under the General Construction Dewatering Permit and receive notification of coverage to discharge to surface waters, prior to the discharge.
14. Fueling, lubrication, maintenance, storage and staging of vehicles and equipment shall be outside of waters of the United States and the State. Fueling, lubrication, maintenance, storage and staging of vehicles and equipment shall not result in a discharge or a threatened discharge to any waters of the State or the United States. At no time shall the Applicant use any vehicle or equipment, which leaks any substance that may impact water quality.
15. All materials used for cleaning concrete from tools and equipment, and any wastes or rubbish generated by this activity, shall be adequately contained to prevent contact with soil and surface water and shall be disposed of properly within a clearly designated area at least 100 feet beyond waters of the U.S. and/or the State.

16. BMPs for erosion, sediment and turbidity control shall be implemented and in place at commencement of, during, and after any ground clearing activities, construction activities, or any other project activities that could result in erosion or sediment discharges to surface water. BMPs shall be implemented in accordance with the CCSBMPM and all contractors and subcontractors shall comply with the CCSBMPM.
17. All conditions required by this Order shall be included in the Plans and Specifications prepared by Caltrans for the Contractor. In addition, Caltrans shall require compliance with all conditions included in this Order in the bid contract for this project.
18. The Resident Engineer shall hold on-site water quality permit compliance meetings (similar to tailgate safety meetings) to discuss permit compliance, including instructions on how to avoid violations and procedures for reporting violations. The meetings shall be held at least every other week, and particularly before forecasted storm events and when a new contractor or subcontractor arrives to begin work at the site. The contractors, subcontractors and their employees, as well as any inspectors or biological monitors assigned to the project, shall be present at the meetings. Caltrans shall maintain dated sign-in sheets for attendees at these meetings, and shall make them available to the Regional Water Board on request.
19. Caltrans shall take photos of all areas disturbed by project activities, including all excess materials disposal areas, after the first rainfall event that generates visible runoff from these areas in order to demonstrate that erosion control measures have been successful. A report containing these photos shall be submitted within 60 days of the first rainfall event that generates runoff from the disturbed areas. Reports shall be provided for each year of construction and a final report shall be provided for the season subsequent to the completion of the project.
20. Visual observations of the unnamed creeks shall be conducted whenever a project activity has the potential to mobilize sediment and increase the turbidity and/or pH of the creeks. In order to demonstrate compliance with receiving water limitations, field turbidity and/or pH measurements shall be collected whenever a project activity may cause turbidity and/or pH to be increased above background concentrations.
21. Whenever turbidity and/or pH in the unnamed creeks is increased above background as a result of project activities, turbidity and/or pH measurements shall be collected upstream (within 50 feet) of project activities (background) and downstream within 100 feet of the culvert outlet. The frequency of turbidity and/or pH monitoring shall be a minimum of every hour during periods of increased turbidity and/or pH and shall continue until measurements demonstrate compliance with receiving water limitations and turbidity and pH levels are no longer increasing

as a result of project activities. If turbidity levels are greater than 20 percent above background, or pH levels are beyond the water quality objective (6.5 – 8.5) 100 feet downstream of the culvert outlet, all necessary steps shall be taken to install, repair, and/or modify BMPs to control the source(s) of sediment or increased pH. In addition, the overall distance from the source(s) of turbidity or pH to the downstream extent of the increased turbidity or pH (20 percent above background / 6.5 - 8.5) shall be measured.

22. Turbidity and pH monitoring results shall be reported to appropriate Regional Water Board staff person by telephone within one hour of taking any turbidity measurement higher than 20 percent above background or pH measurements outside of 6.5 – 8.5 at a point 100 feet or more downstream of the culvert outlets. Pictures of the unnamed creeks upstream, downstream and within the working and/or disturbed area shall be taken and submitted to the appropriate Regional Water Board staff via e-mail or fax within 24 hours of the incident.
23. Calibration logs for all field monitoring equipment shall be maintained and be available to the Regional Water Board on request.
24. In the event of any violation or threatened violation of the conditions of this Order, the violation or threatened violation shall be subject to any remedies, penalties, process or sanctions as provided for under applicable state or federal law. For the purposes of section 401(d) of the Clean Water Act, the applicability of any state law authorizing remedies, penalties, process or sanctions for the violation or threatened violation constitutes a limitation necessary to assure compliance with the water quality standards and other pertinent requirements incorporated into this Order. In response to a suspected violation of any condition of this Order, the State Water Board may require the holder of any federal permit or license subject to this Order to furnish, under penalty of perjury, any technical or monitoring reports the State Water Board deems appropriate, provided that the burden, including costs, of the reports shall bear a reasonable relationship to the need for the reports and the benefits to be obtained from the reports. In response to any violation of the conditions of this Order, the Regional Water Board may add to or modify the conditions of this Order as appropriate to ensure compliance.
25. This Order is not transferable. In the event of any change in control of ownership of land presently owned or controlled by the Applicant, the Applicant shall notify the successor-in-interest of the existence of this Order by letter and shall forward a copy of the letter to the Regional Water Board. The successor-in-interest must send to the Regional Water Board Executive Office a written request for transfer of this Order to discharge dredged or fill material under this Order. The request must contain the following:
 - a. requesting entity's full legal name
 - b. the state of incorporation, if a corporation

- c. address and phone number of contact person
 - d. description of any changes to the project or confirmation that the successor-in-interest intends to implement the project as described in this Order.
26. The authorization of this Order for any dredge and fill activity expires on March 3, 2014. Conditions and monitoring requirements outlined in this Order are not subject to the expiration date outlined above, and remain in full effect and are enforceable.
27. Please contact Jeremiah Puget of our staff at (707) 576-2835 or at JPuget@waterboards.ca.gov if you have any questions and/or comments.

Catherine Kuhlman
Executive Officer

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Weblink: State Water Resources Control Board Order No. 2003-0017 -DWQ, General Waste Discharge Requirements for Dredge and Fill Discharges That Have Received State Water Quality Certification can be found at:
http://www.waterboards.ca.gov/board_decisions/adopted_orders/water_quality/2003/wqo/wqo2003-0017.pdf

Original sent to: Mr. Coady Reynolds, California Department of Transportation,
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