



California Regional Water Quality Control Board North Coast Region

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Edmund G. Brown, Jr.
Governor

June 13, 2011

In the Matter of

Water Quality Certification

for the

California Department of Transportation Highway 96 – Ukonom Culvert Rehabilitation Project WDID No. 1A09149WNSI

APPLICANT: California Department of Transportation
RECEIVING WATER: Klamath River and O'Neill Creek
HYDROLOGIC AREA: Klamath River Hydrologic Unit No. 105.00
COUNTY: Siskiyou
FILE NAME: CDOT - HWY 96, Ukonom Culvert Rehabilitation project

BY THE EXECUTIVE OFFICER:

1. On December 21, 2009, the North Coast Regional Water Quality Control Board (Regional Water Board) received an application from the California Department of Transportation (Caltrans), requesting Federal Clean Water Act (CWA), section 401, Water Quality Certification for activities related to the proposed Highway 96, Ukonom Culvert Rehabilitation Project. Additional project information was received in April and May, 2011. The proposed project will cause disturbances to waters of the United States (U.S.) and waters of the State associated with the wetlands and drainages within the Klamath River Hydrologic Unit, No. 105.00 (Ukonom Sub-Area 105.31 and Seiad Valley Hydrologic Sub-Area No. 105.33).
2. The proposed project includes 85 drainage systems (culverts) located in Siskiyou County, on Highway 96 from post mile (PM) 0.42 to PM 11.90. Proposed construction activities include the installation of new culverts, replacement of existing culverts, installation of culvert liners, modification of culvert inlets and outlets, placement of asphalt concrete (AC) around inlets, and placement of rock slope

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protection (RSP) at the inlets and outlets to reduce erosion. Inlet modifications include installation of headwalls, flared end sections, and inlets. Existing pull-outs and shoulders will be used to stage equipment and materials.

3. Caltrans has determined that total project permanent impacts to streams identified as waters of the U.S. and State will be approximately 0.09 acres (3,920 sq. feet, 1,195 linear feet). The temporary project impacts to streams identified as waters of the U.S. and State will be approximately 0.047 acres (2,025 sq. feet, 613 linear feet). In addition, the project will result in a temporary impact to wetlands of 0.11 acres (4,640 sq. feet) and a permanent impact to wetlands of 0.025 acres (1,074 sq. feet, 211 linear feet). Also, the project will require the removal of 22 trees identified as riparian waters of the State for a total impact of 0.034 acres (1,500 sq. feet, 90 linear feet).
4. As mitigation to compensate for impacts associated with this project, Caltrans proposes both off-site mitigation and on-site revegetation following construction. The off-site mitigation plan includes wetland creation and stream enhancement near the confluence of O'Neill Creek and the Klamath River. The mitigation actions will include the construction of an off-channel alcove planted with wetland and riparian vegetation. The off-channel feature will provide wetland habitat as well as cold water refugia and rearing habitat for salmonids. In addition, the restoration effort will improve fish passage limitations along O'Neill Creek. The project will create 3,021 sq. feet of wetlands and 3,712 sq. feet of off-channel stream habitat, and enhance 1,400 sq. feet of stream habitat.
5. The mitigation project will be conducted in accordance with the Caltrans-prepared Mitigation and Monitoring Proposal at O'Neill Creek Restoration Site, dated April, 2011. Caltrans will perform on-site revegetation activities for wetland, stream and riparian resources disturbed during the project. The on-site restoration will encompass approximately 4,140 sq. feet of wetlands restoration, 1,625 sq. feet (593 linear ft.) of streams restoration, and 2,250 sq. feet (115 linear ft.) of riparian restoration. These efforts will be conducted in accordance with the Caltrans-prepared On-Site Restoration and Monitoring Proposal for the Ukonom Culvert Rehabilitation Project, dated May 2011.
6. Caltrans has applied for authorization from the United States Army Corps of Engineers to perform the project under their Nationwide Permit No. 3 Non-Reporting (Maintenance) pursuant to Clean Water Act, section 404. Caltrans has also applied for a California Department of Fish and Game (CDFG) 1602 Lake and Streambed Alteration Agreement. In December of 2002, Caltrans certified an Initial Study / Mitigated Negative Declaration (State Clearing House No.2009042004) for the project in order to comply with the California Environmental Quality Act. Based on

project changes and amended requirements, Caltrans certified an Addendum to the Initial Study in July, 2010. The Regional Water Board has considered the environmental documents and any proposed changes incorporated into the project or required as a condition of approval to avoid significant effects to the environment.

7. The Klamath River watershed is listed on the Clean Water Act section 303(d) list as impaired for sediment/siltation, temperature, nutrients, cyanobacteria hepatotoxic microcystins, organic enrichment/low dissolved oxygen, high pH, and mercury. In September 7, 2010 the State Water Resources Control Board adopted a Resolution approving amendments to the Water Quality Control Plan for the North Coast Region to establish: (1) site specific dissolved oxygen objectives for the Klamath River; (2) an Action Plan for the Klamath River Total Maximum Daily Loads (TMDLs) addressing temperature, dissolved oxygen, nutrient, and microcystin impairments in the Klamath River; and (3) an Implementation Plan for the Klamath and Lost River Basins. On December 28, 2010, the US Environmental Protection Agency approved the TMDLs for the Klamath River in California pursuant to CWA Section 303(d)(2). The TMDLs, Implementation Plan, and new dissolved oxygen objectives are in effect. Roads are a significant source of sediment in the watershed (directly, from surface erosion, and, indirectly, by triggering landslides). A focus on measures to reduce sediment discharges to surface waters from roads in the watershed, and measures to avoid, minimize, and mitigate impacts on riparian zones is essential for achieving TMDL compliance. In addition, activities that impact the riparian zone and reduce riparian vegetation are identified as sources contributing to increased stream temperatures.
8. Caltrans is listed as a responsible party in the Klamath River TMDL implementation plan with the following specific actions required:
 - Incorporate the following measures into the National Pollutant Discharge Elimination System (NPDES) permit Statewide Storm Water Permit and Waste Discharge Requirements for the State of California, Department of Transportation (Caltrans permit) to address sediment sources from road and highway facilities under Caltrans control: Inventory: Identify sources of excess sediment discharge or threatened discharge and quantify the discharge or threatened discharge from the source(s); Prioritize: Prioritize efforts to control the inventoried sediment sources based on, but not limited to, severity of threat to water quality and beneficial uses, the feasibility of source control, and source site accessibility. Schedule: Develop a schedule to implement the cleanup of excess sediment discharge sites. Implement: Develop and implement feasible sediment control practices to prevent, minimize, and control the discharge. Monitor and Adapt: Use monitoring results to direct adaptive management in order to refine excess sediment control practices and implementation schedules.

- Incorporate measures to meet the excess solar radiation allocation in the statewide Caltrans NPDES permit and CWA section 401 Water Quality Certifications;
 - Implement the measures outlined above to control the discharge of excess sediment from their facilities and comply with the Klamath TMDL allocations even if measures are not incorporated into the statewide Caltrans permit.
 - Implement measures to meet the excess solar radiation allocation, even if measures are not incorporated into the statewide Caltrans permit.
 - Fully assess all barriers and potential barriers to migration caused by Caltrans road and highway facilities along the mainstem Klamath River and in the tributary watersheds identified in the Thermal Refugia Protection Policy. Develop a priority ranking and time schedule for modifying the identified fish passage barriers to accommodate free passage of fish upstream and downstream.
9. Pursuant to Regional Water Board Resolution R1-2004-0087, *Total Maximum Daily Load Implementation Policy Statement for Sediment-Impaired Receiving Waters within the North Coast Region* (Sediment TMDL Implementation Policy), the Executive Officer is directed to “rely on the use of all available authorities, including existing regulatory standards, and permitting and enforcement tools to more effectively and efficaciously pursue compliance with sediment-related standards by all dischargers of sediment waste.”
10. To ensure compliance with sediment, temperature and other related Water Quality Objectives within the Basin Plan, and consistent with the U.S. EPA-established TMDLs, adequate wetland and riparian protection and stringent requirements to avoid, minimize, and mitigate the sediment and temperature impacts associated with the proposed project will be incorporated as enforceable conditions this Water Quality Certification. In addition, Caltrans will be required to conduct surface water monitoring, sampling, and analysis in accordance with the conditions of the Water Quality Certification. Additionally, storm water runoff monitoring, sampling, and analysis will be conducted as required by the State Water Resources Control Board (SWRCB) National Pollutant Discharge Elimination System (NPDES) Permit for Storm Water Discharges from the State of California, Department of Transportation (Caltrans) Properties, Facilities and Activities Order No. 99 – 06 - DWQ. The surface water data collected will be utilized to assess the adequacy of BMPs during construction as well as site specific mitigation measures proposed to minimize impacts to the environment, including sediment and temperature impacts.

11. The federal antidegradation policy requires that state water quality standards include an antidegradation policy consistent with the federal policy. The State Water Board established California's antidegradation policy in State Water Board Resolution No. 68-16. Resolution No. 68-16 incorporates the federal antidegradation policy where the federal policy applies under federal law. Resolution No. 68-16 requires that existing quality of waters be maintained unless degradation is justified based on specific findings. The Regional Water Board's Basin Plan implements, and incorporates by reference, both the State and federal antidegradation policies. This Order is consistent with applicable federal and State antidegradation policies, as it does not authorize the discharge of increased concentrations of pollutants or increased volumes of treated wastewater, and does not otherwise authorize degradation of the waters affected by this project.
12. The main stem of the Klamath River from 100 yards below Iron Gate Dam to the Pacific Ocean is designated as a recreational reach under both federal and California Wild and Scenic Rivers Acts. These acts require preservation of the rivers free-flowing condition; anadromous and resident fisheries; and outstanding geologic, wildlife, flora and fauna, historic and cultural, visual, recreational, and water quality values. Recreational segments are generally developed, with parallel roads, bridges, and structures. All activities normally associated with public lands are permitted subject to the protection of free flowing condition and outstanding values. Implementation of the project would not affect the free-flowing condition of the Klamath River and would not affect the extraordinary values for which the segment was listed.

Receiving Waters: Klamath River and O'Neill Creek
Klamath River Hydrologic Unit No. 105.00;
Ukonom Hydrologic Sub-Area No. 105.31;
Seiad Valley Hydrologic Sub-Area No. 105.33.

Filled or Excavated Areas: Permanent – streams: 0.09 acres (3,920 ft²)
Permanent – wetlands: 0.025 acres (1,074 ft²)

Temporary – streams in project area: 0.037 acres (1,625 ft²)
Temporary – streams in mitigation area: 0.01 acres (1,400 ft²)
Total: 0.047 acres (2,025 ft²)

Temporary – wetlands in project area: 0.1 acres (4,140 ft²)
Temporary – wetlands in mitigation area: 0.01 acres (600 ft²)
Total: 0.11 acres (4,640 ft²)

Temporary - riparian areas: 0.034 acres (1,500 ft²)

Total Linear Impacts: Permanent – streams: 1,195 linear ft
Permanent – wetlands: 211 linear ft

Temporary - streams: 593 linear ft
Temporary - wetlands: 491 linear ft
Temporary - riparian areas: 90 linear ft

Dredge Volume: None

Fill Volume: Permanent - streams: 428 cubic yards
Permanent - wetlands: 23 cubic yards

Temporary - streams: 60 cubic yards
Temporary - wetlands: 62 cubic yards

Mitigation proposed: On-site: restoration of 4,140 ft² of wetlands, restoration of 1,625 ft² (593 linear ft) of streams, and 2,250 ft² (115 linear ft) of riparian areas

Off-site: 1,074 ft² of wetland creation, 600 ft² of wetland enhancement, 1,400 ft² of stream enhancement, and 600 linear ft of Riparian planting.

Latitude/Longitude: Culverts: 41.3834 N/123.4907 W to 41.5125 N/123.5227
O'Neill Creek: 41.8102 N / 123.1142 W

ACCORDINGLY, BASED ON ITS INDEPENDENT REVIEW OF THE RECORD, THE REGIONAL WATER BOARD CERTIFIES THAT THE CALTRANS HIGHWAY 96 - UKONOM CULVERT REHABILATATION PROJECT (FACILITY NO. 1A09149WNSI), 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:

All conditions of this order apply to Caltrans (and all its employees) and all contractors (and their employees), sub-contractors (and their employees), and any other entity or agency that performs activities or work on the project (including the off-site mitigation lands) as related to this Water Quality Certification.

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 this certification is conditioned upon total payment of any fee required under title 23, California Code of Regulations, section 3833, and owed by the applicant.
4. Except as may be modified by any preceding conditions, all certification actions are contingent on: a) the discharge being limited, and all proposed revegetation, avoidance, minimization, and mitigation measures being completed, in strict compliance with the applicant's project description and CEQA documentation, as approved herein, and b) compliance with all applicable water quality requirements and water quality control plans including the requirements of the Basin Plan, and amendments thereto.
5. 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.
6. Caltrans shall construct the project in accordance with the project described in the application and the findings above, and shall comply with all applicable water quality standards as detailed in the Basin Plan.
7. Any change in the design or implementation of the project that would have a significant or material effect on the findings, conclusions, or conditions of this Order must be submitted to the Executive Officer of the Regional Water Board for prior review, consideration, and written concurrence.
8. Caltrans shall provide a copy of this Order and State Water Resources Control Board (SWRCB) Order No. 2003-0017-DWQ to the contractor, all subcontractors, and all utility companies 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, subcontractors, or utility companies.

9. The Regional Water Board shall be notified in writing each year at least five working days (working days are Monday – Friday) prior to the commencement of ground disturbing activities, major concrete pours, dewatering activities, or water diversion activities with details regarding the construction schedule, in order to allow Regional Water Board staff to be present on-site during installation and removal activities, and to answer any public inquiries that may arise regarding the project. Caltrans shall provide Regional Water Board staff access to the project site to document compliance with this order.
10. The Resident Engineer (or appropriately authorized agent) 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, 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 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.
11. All activities and best management practices (BMPs) shall be implemented according to the submitted application and the conditions in this certification. BMPs for erosion, sediment, turbidity and pollutant 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, sediment, or other pollutant discharges to waters of the State. The BMPs shall be implemented in accordance with the Caltrans Construction Site Best Management Practice Manual (CCSBMPM) and all contractors and subcontractors shall comply with the CCSBMPM. In addition, BMPs for erosion and sediment control shall be utilized year round, regardless of season or time of year. Caltrans shall stage erosion and sediment control materials at the work site. All BMPs shall be installed properly and in accordance with the manufacturer's specifications. If the project Resident Engineer elects to install alternative BMPs for use on the project, Caltrans shall submit a proposal to Regional Water Board staff for review and concurrence.
12. Caltrans shall prioritize the use of wildlife-friendly biodegradable (not photo-degradable) erosion control products wherever feasible. Caltrans shall not use or allow the use of erosion control products that contain synthetic netting for permanent erosion control (i.e. erosion control materials to be left in place for two years or after the completion date of the project). If Caltrans finds that erosion control netting or

products have entrapped or harmed wildlife, personnel shall remove the netting or product and replace it with wildlife-friendly biodegradable products. Caltrans shall not use or allow the use of erosion control products that contain synthetic materials within waters of the United States or waters of the State at any time. Caltrans shall request approval from the Regional Water Board if an exception from this requirement is needed for a specific location.

13. Work in flowing or standing surface waters, unless otherwise proposed in the project description and approved by the Regional Water Board, is prohibited. If construction dewatering of groundwater is found to be necessary, Caltrans shall use a method of water disposal other than disposal to surface waters (such as land disposal) or Caltrans shall apply for coverage under the Low Threat Discharge Permit or an individual National Pollutant Discharge Elimination System (NPDES) Permit and receive notification of coverage to discharge to surface waters, prior to the discharge.
14. Caltrans is prohibited from discharging waste to waters of the State, unless explicitly authorized by this Order. For example, 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 waters of the State. In addition, none of the materials listed above shall be placed within 150 linear feet of waters of the State or where the materials may be washed by rainfall into waters of the State.
15. Caltrans shall submit, subject to approval by the Regional Water Board staff, a dewatering and/or diversion plan that appropriately describe the dewatered or diverted areas and how those areas will be handled during construction. The diversion/dewatering plans shall be submitted no later than 30 days prior to conducting the proposed activity. Information submitted shall include the area or work to be diverted or dewatered and method of the proposed activity. All diversion or dewatering activities shall be designed to minimize the impact to waters of the State and maintain natural flows upstream and downstream. All dewatering or diversion structures shall be installed in a manner that does not cause sedimentation, siltation or erosion upstream or downstream. All dewatering or diversion structures shall be removed immediately upon completion of project activities. The in-channel work will only be conducted between May 15th and October 15th. This Water Quality Certification does not authorize Caltrans to draft surface waters.
16. Fueling, lubrication, maintenance, storage and staging of vehicles and equipment shall be outside of waters of the U.S. 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 U.S. At no time shall Caltrans use any vehicle or equipment which leaks any substance that may impact water quality.

17. If, at any time, an unauthorized discharge to surface water (including wetlands, rivers or streams) occurs, 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.
18. Caltrans shall implement appropriate BMPs to prevent the discharge of equipment fluids to the stream channel. The minimum requirements will include: storing hazardous materials at least 150 linear feet outside of the stream banks; checking equipment for leaks and preventing the use of equipment with leaks; pressure washing or steam cleaning equipment to remove fluid residue on any of its surfaces prior to its entering any stream channel in a manner that does not result in a discharge to waters of the State.
19. Caltrans and their contractor are not authorized to discharge wastewater (e.g., water that has contacted uncured concrete or cement, or asphalt) to surface waters, ground waters, or land. Wastewater may only be disposed of to a sanitary waste water collection system/facility (with authorization from the facility's owner or operator) or a properly-licensed disposal or reuse facility. If Caltrans or their contractor proposes an alternate disposal method, Caltrans or their contractor shall apply for a permit from the Regional Water Board. Plans to reuse or recycle wastewater require written approval from Regional Water Board staff.
20. Any potentially hazardous waste(s) (solids, liquids, or slurries) derived or encountered in this project shall undergo the appropriate characterization to demonstrate compliance will all applicable waste disposal laws and regulations. If unanticipated or anticipated waste are encountered or created during the project, Caltrans shall notify the Regional Water Board immediately and at least within 24 hours. Caltrans or their contractor shall prepare applicable work plans for handling, treating, transporting, and disposing of waste. The work plans shall be prepared and signed by an engineer or geologist with the appropriate and valid California licenses.
21. Caltrans shall provide analysis and verification that placing non-hazardous waste or inert materials (which may include discarded product or recycled materials) will not result in degradation of water quality, human health, or the environment. All project-generated waste shall be handled, transported, and disposed in strict compliance with all applicable State and Federal laws and regulations. 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. In accordance with State and Federal laws and regulations, Caltrans is liable and responsible for the proper disposal of waste generated by their project.

22. All imported fill material shall be clean and free of pollutants. All fill material shall be imported from a source that has the appropriate environmental clearances and permits. The reuse of low-level contaminated solids as fill on-site shall be performed in accordance with all State and Federal policies and established guidelines and must be submitted to the Regional Water Board for review and concurrence.
23. Only clean washed spawning gravel (0.5" – 4") with a cleanliness value of at least 85, using the Cleanness Value Test Method for California Test No. 227 will be placed in the streams. Gravel bag fabric shall be nonwoven polypropylene geotextile (or comparable polymer) and shall conform to the following requirements:
- Mass per unit area, grams per square meter, min ASTM Designation: D 5261 – 270
 - Grab tensile strength (25-mm grip), kilonewtons, min. ASTM Designation: D4632* 0.89
 - Ultraviolet stability, percent tensile strength retained after 500 hours, ASTM Designation: D4355, xenon arc lamp method 70 or appropriate test method for specific polymer
 - Gravel bags shall be between 600 mm and 800 mm in length, and between 400 mm and 500 mm in width.
 - Yarn used in construction of the gravel bags shall be as recommended by the manufacturer or bag supplier and shall be of a contrasting color. Gravel shall be between 0.5" – 4" in diameter, and shall be clean and free from clay balls, organic matter, and other deleterious materials. The opening of gravel-filled bags shall be secured to prevent gravel from escaping. Gravel-filled bags shall be between 13 kg and 22 kg in mass.
 - Caltrans shall request approval from the Regional Water Board if an exception from this requirement is needed for a specific location.
24. Surface water monitoring shall be conducted whenever a project activity is conducted within waters of the State (e.g. demolition, pier construction, stream

diversions). Surface water monitoring shall be conducted when any project activity has, or has the potential to, mobilize sediment and/or alter background conditions within waters of the State. In order to demonstrate compliance with receiving water limitations and applicable water quality standards, field measurements shall be collected whenever a project activity may alter background conditions.

25. Caltrans shall establish effluent, upstream (background) and downstream monitoring locations to demonstrate compliance with all applicable water quality objectives as detailed in the Basin Plan. The downstream location shall be no more than 50 feet from the effluent location. Field measurements shall be taken from each location four times daily for flow, pH, temperature, dissolved oxygen, total dissolved solids, turbidity and specific conductance. In addition, visual observations shall be made four times daily and include the appearance of the discharge including color, turbidity, floating or suspended matter or debris, appearance of the receiving water at the point of discharge (occurrence of erosion and scouring, turbidity, solids deposition, unusual aquatic growth, etc), and observations about the receiving water, such as the presence of aquatic life. Measurements shall be collected from each sampling location four times daily while work is being conducted within waters of the State.

26. Whenever, as a result of project activities, downstream measurements exceed the following water quality objectives, appropriate measurements shall be collected from all monitoring locations every hour during the period of increase, and shall continue until measurements demonstrate compliance with receiving water limitations and the water quality parameters are no longer increasing as a result of project activities.

pH	<7.0 or >8.5 (any changes >0.5 units)
temperature	>0.5°F above background
dissolved oxygen	<7 milligrams per liter (mg/L)
total dissolved solids	20% above natural background
turbidity	20% above natural background
specific conductance	>275 micromhos @ 77°F

If any measurements are beyond the water quality objectives 50 feet downstream of the source(s), all necessary steps shall be taken to install, repair, and/or modify BMPs to control the source(s). In addition, the overall distance from the source(s) to the downstream extent of the exceedance shall be measured.

Monitoring results shall be reported to appropriate Regional Water Board staff person by telephone within one hour of taking any measurements that exceed the limits detailed above (turbidity only if it is higher than 20 NTU as well). Upstream

and downstream pictures 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. All other monitoring data shall be reported on a monthly basis and is due to the Regional Water Board by the 15th of the following month.

27. Rainy Day Reports: Caltrans shall take photos of all areas disturbed by project activities, including all excess materials disposal areas, after rainfall events that generate visible runoff from these areas in order to demonstrate that erosion control and revegetation measures are present and have been installed appropriately and successfully. A brief report containing these photos shall be submitted within 30 days of the rainfall event that generated runoff from the disturbed areas. Once the site has demonstrated appropriate and effective erosion and sediment control, Caltrans may request a reprieve from this condition from the Regional Water Board.
28. The mitigation project shall be conducted in accordance with the Caltrans-prepared Mitigation and Monitoring Proposal at O'Neill Creek Restoration Site, dated April, 2011. Caltrans will perform on-site revegetation activities for wetland, stream and riparian resources disturbed during the project. The on-site restoration will encompass approximately 4,140 sq. feet of wetlands restoration, 1,625 sq. feet (593 linear ft.) of streams restoration, and 2,250 sq. feet (115 linear ft.) of riparian restoration. On-site revegetation shall be conducted in accordance with the Caltrans-prepared On-Site Restoration and Monitoring Proposal for the Ukonom Culvert Rehabilitation Project, dated May 2011. Monitoring reports summarizing the monitoring results will be submitted to the Regional Water Board on December 31 of the 1st, 3rd, and 5th year following the implementation of the initial planting. The off-site mitigation project shall be completed by October 31, 2012. The on-site revegetation actions shall be completed one year subsequent to the completion of the culvert rehabilitation project.
29. 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 certification, 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.

30. The Regional Water Board may add to or modify the conditions of this Order, as appropriate, and to implement any new or revised water quality standards and implementation plans adopted or approved pursuant to the Porter-Cologne Water Quality Control Act or section 303 of the Clean Water Act.
31. This Order is not transferable. In the event of any change in control of ownership of land presently owned or controlled by Caltrans, Caltrans 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 Officer 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.
32. The authorization of this certification for any dredge and fill activities expires on June 13, 2016. 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.
33. Please contact our staff Environmental Specialist / Caltrans Liaison Jeremiah Puget of at (707) 576-2835 or jpuget@waterboards.ca.gov if you have any questions.

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. Edward J Espinoza, California Department of Transportation,
P.O. 496073, Redding, CA 96049-6073

Copies sent to: Mr. Steve Rodgers, California Department of Transportation,
P.O. 496073, Redding, CA 96049-6073

Mr. Cabe Cornelius, California Department of Transportation,
P.O. 496073, Redding, CA 96049-6073

Ms. Jane Hicks, U.S. Army Corps of Engineers, Regulatory
Functions, 1455 Market Street, San Francisco, CA 94103-1398

U.S. Army Corps of Engineers, District Engineer, 601 Startare
Drive, Box 14, Eureka, CA 95501