



**Lower Klamath Project
FERC Project No. 14803**

**Erosion and Sediment
Control Drawing Package**

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1.0 Introduction

This Erosion and Sediment Control Drawing Package (ESCD Package) describes measures (via drawings) the Renewal Corporation will implement as part of the Proposed Action construction phase, specifically, measures related to erosion and sediment control and stormwater management during construction, and final stabilization measures upon completion of construction. This ESCD Package, submitted herein as Appendices A and B, follows regulations in the states of California and Oregon as required by the Clean Water Act Section 402.

2.0 Regulatory Context

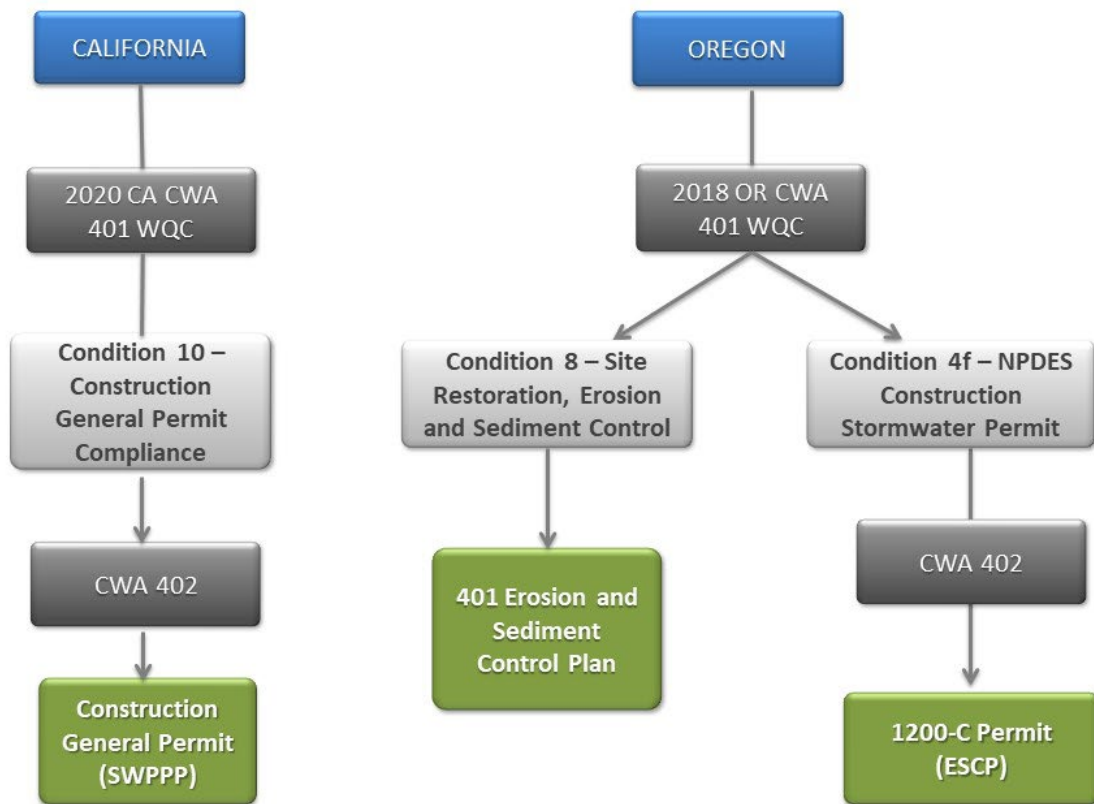
The Clean Water Act (CWA) is the primary federal law that protects water quality in surface waters of the United States. Both Section 401 of the CWA, which regulates discharges of dredged or fill materials to waters of the U.S., and Section 402 of the CWA, which requires prevention of point source pollution and establishes the National Pollutant Discharge Elimination System (NPDES), include measures to address erosion and sediment control during construction activities in addition to post-construction stormwater management controls. The Renewal Corporation was issued the California Section 401 certificate in 2020 and Oregon CWA Section 401 certificate in 2018. Both the California and Oregon CWA Section 401 certificates, require the Renewal Corporation to obtain a CWA Section 402 permit. In California, construction projects that disturb one or more acres of land are subject to the State's NPDES Construction General Permit (CGP). In Oregon, construction projects that disturb one or more acres of land are subject to the State's NPDES 1200-C Construction Stormwater General Permit (1200-C Permit). These NPDES permits are associated with project upland land disturbance and do not include reservoir restoration activities. Reservoir restoration activities are not subject to Section 402 of the CWA but are subject to specific conditions outlined within the 2020 California Section 401 certificate and the 2018 Oregon Section 401 certificate.

In California, the Renewal Corporation will enroll and comply with the CGP for upland land disturbance activities of one or more acres. The CGP requires temporary and permanent best management practices (BMPs) and monitoring and sampling to regulate stormwater runoff to surface waters. To comply with the CGP, the Renewal Corporation is developing Stormwater Pollution Prevention Plans (SWPPP) for the Proposed Action, which will be submitted to the North Coast Regional Water Quality Control Board (North Coast RWQCB) prior to construction. The erosion and sediment control (ESC) drawings to be submitted as part of the SWPPP are included in Appendix A of this document. Additionally, Condition 10 of the 2020 California 401 WQC requires compliance with the terms of the CGP.

In Oregon, the Renewal Corporation will apply for, obtain, and comply with the 1200-C Permit for upland land disturbance activities of one or more acres. The 1200-C Permit requires temporary and permanent BMPs and monitoring to regulate stormwater runoff to surface

waters. To comply with the 1200-C Permit, the Renewal Corporation is preparing 1200-C Erosion and Sediment Control Plans (1200-C ESCP) for the Proposed Action, which will be submitted to the Oregon Department of Environmental Quality (DEQ) prior to construction. The ESC drawings to be submitted as part of the 1200-C ESCP are included in Appendix B of this document. Additionally, Condition 4 of the 2018 Oregon 401 WQC requires compliance with the terms of the 1200-C Permit and Condition 8 requires an Erosion and Sediment Control Plan (401 ESCP) to be approved by Oregon DEQ for specified disposal sites permitted under the Oregon 401 WQC. The temporary and permanent erosion and sediment control drawings are included in this package, but will not be included as part of the 1200-C. These specific sites, and the requisite measures to minimize erosion and sediment-laden runoff to protect water quality, are described in the *Oregon Erosion and Sediment Control Plan* submitted to the Commission in December 2021. The following chart summarizes the regulatory process described above, and the context for this ESCD Package:

Table 2-1. Clean Water Act Regulatory Chart



2.1 Organizational Structure

This ESCD Package includes select documentation the Renewal Corporation will submit to the North Coast RWQCB, as required by the CGP in California, and to the Oregon DEQ, as required by the 1200-C Permit. Appendix A consists of California erosion and sediment control drawings and Appendix B consists of Oregon erosion and sediment control drawings.

Appendices A and B include documentation to satisfy the requirements of this ESCD Package. To meet the States' regulatory requirements under the CGP and 1200-C, additional support documentation will be required at the time of permit enrollment and submittal, respectively.

2.1.1 Appendix A: California Erosion and Sediment Control Measures

Appendix A includes drawings the Renewal Corporation will submit to the North Coast RWQCB to obtain coverage under the CGP. Per the permit requirements, these drawings have been prepared to address pollutants and their sources (including sediment-laden runoff and erosion associated with construction), non-stormwater discharges, the selection of BMPs to reduce or eliminate pollutants in stormwater and non-stormwater discharges, and final stabilization. The drawings consist of measures that cover the following Project components:

- Dam Removal Activities:
 - Removal of infrastructure, staging areas, construction work camps, disposal sites, road/bridge work, fire access boat ramps and dry hydrants, demolition of recreations sites and removal of transmission lines¹; and
 - City of Yreka Pipeline (i.e., removal of existing pipeline and construction of a new pipeline).
 - Fall Creek Hatchery development
- Restoration Activities:
 - Upland restoration and staging areas necessary for post-construction restoration activities.

2.1.2 Appendix B: Oregon Erosion and Sediment Control Measures

Appendix B includes drawings the Renewal Corporation will submit to the Oregon DEQ to obtain coverage under the 1200-C Permit. Per the permit requirements, these drawings have been prepared to address pollutants and their sources (including sediment-laden runoff and erosion associated with construction), non-stormwater discharges, the selection of BMPs to reduce or eliminate pollutants in stormwater and non-stormwater discharges, and final stabilization. The drawings consist of measures that cover the following Project components:

- Dam Removal Activities:

¹ This includes transmission lines to be removed by the Renewal Corporation.

- Removal of infrastructure, staging areas, construction work camps, road/bridge work, fire access boat ramps and dry hydrants, demolition of recreation sites and removal of transmission lines².
- Restoration Activities:
 - Upland restoration and upland staging areas necessary for post-construction restoration activities.

2.2 Regulatory Approval

As described above, the specific elements of this package will be addressed through regulatory mechanisms under the respective permits (i.e., CGP and 1200-C) in California and Oregon.

The mechanism to submit the CGP in California and the 1200-C Permit in Oregon is via the States' respective online permit tracking platforms: Stormwater Multiple Application and Report Tracking System (SMARTS) in California, and Your DEQ Online (YDO) in Oregon. These platforms consist of multiple electronic tabs and forms that collect project data and supporting documentation such as the drawings included as part of this ESCD Package as well as other project-specific information required by the state permits.

3.0 Reporting

The Renewal Corporation will prepare and submit periodic monitoring reports to the North Coast RWQCB in California and Oregon DEQ via the SMARTS and YDO platforms. This may include, but is not limited to, updates to drawings, monitoring data, and annual reports. This ESCD Package is intended to be a living document that will be subject to modification based on site conditions at the time of construction. As such, any updates to the erosion and sediment control measures due to necessary design modifications will be documented via the SMARTS and YDO platforms and readily available for review by the State regulatory agencies and the Commission upon request.

² Ibid.

Appendix A

California Erosion and Sediment Control Drawings

Appendix B

Oregon Erosion and Sediment Control Drawings

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