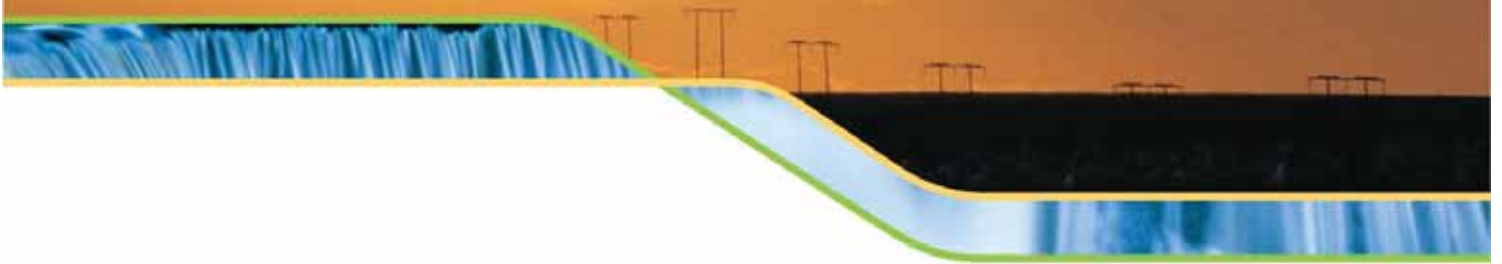


Boardman to Hemingway Transmission Line Project



Appendix M—Framework Stormwater Pollution Prevention Plan

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1 1.0 INTRODUCTION

2 In compliance with criteria in the Environmental Protection Agency's (EPA's) Clean Water Act,
3 all construction site operators engaged in clearing, grading, and excavating activities that disturb
4 one acre or more, must obtain a National Pollutant Discharge Elimination System (NPDES)
5 permit for stormwater discharges (Code of Federal Regulations, Title 40, Parts 122 and 123) in
6 Idaho and Oregon. NPDES permits (also called Construction General Permits) are issued by
7 EPA in Idaho and by the Oregon Department of Environmental Quality (ODEQ) in Oregon
8 following submittal of a Notice of Intent (NOI) for construction activities, and preparation of a
9 Stormwater Pollution Prevention Plan (SWPPP) in Idaho and Erosion and Sediment Control
10 Plan (ESCP) in Oregon (collectively called SWPPP/ESCP herein). The project SWPPP/ESCP
11 will describe how erosion and sediment transport will be minimized to adjacent waterbodies.

12 2.0 PURPOSE

13 The purpose of a SWPPP/ESCP for the Boardman to Hemingway Project (Project) is to identify
14 and implement stormwater pollution prevention measures during construction, operations, and
15 maintenance of the Project.

16 The project SWPPP/ESCP will document environmental protection measures (EPMs) for all
17 phases of construction. Construction will be conducted in an environmentally sensitive and
18 responsible manner so no discharge of sediment or contaminants may be conveyed as either
19 direct or indirect discharge to wetlands, waters of the United States, or the waters of the State of
20 Oregon and Idaho.

21 Development, implementation, and maintenance of the SWPPP/ESCP will provide the
22 contractor with the framework for reducing soil erosion and minimizing pollutants in stormwater
23 during construction. The SWPPP will:

- 24 • Define the characteristics of the site and the type of construction that will be occurring.
- 25 • Describe the practices that will be implemented to control erosion and the release of
26 pollutants in stormwater.
- 27 • Create an implementation schedule to ensure the practices described in the SWPPP are
28 in fact implemented, and to evaluate the plan's effectiveness in reducing erosion,
29 sediment, and pollutant levels in stormwater discharge from the site.
- 30 • Describe the final stabilization/termination design to minimize erosion and prevent
31 stormwater impacts after construction is complete.

32 3.0 NOTIFICATION REQUIREMENTS AND IMPLEMENTATION

33 Before construction begins, the Construction Contractor will be responsible for developing a
34 SWPPP/ESCP, and obtaining coverage under the NPDES General Permit by filing an NOI and
35 appropriate fee with the EPA Region 10 for Idaho and ODEQ 1200-C Permit in accordance with
36 NOI instructions. The Construction Contractor will be responsible for implementing a site-
37 specific SWPPP/ESCP and is required to perform routine inspections throughout the duration of
38 construction activities.

39 The primary intent of the erosion and sediment control measures is to control and minimize
40 erosion at the source. For the Project, the main source of potential stormwater contamination
41 will be erosion of soils from construction activities. It will be the responsibility of the Construction

1 Contractor to implement erosion control measures where necessary, in order to minimize
2 pollutants in stormwater, and to keep the Project in compliance with EPA, ODEQ, and IDEQ
3 regulations.

4 A copy of the SWPPP/ESCP shall remain with the Construction Manager on the construction
5 site or at a staging area(s), and be readily available while the transmission line and substations
6 are under construction, from the start of construction activities until a Notice of Termination is
7 filed.

8 The Construction Contractor must retain a set of construction site maps for the duration of the
9 Project, and for 3 years after the Notice of Termination, that delineate the following items:

- 10 • Areas of soil disturbance that have been stabilized,
- 11 • Areas to be graded along with a time schedule,
- 12 • Areas of potential soil erosion where control practices will be implemented,
- 13 • Types of control practices and time schedule for implementation,
- 14 • Locations of any post-construction projects, and
- 15 • Copies of all inspections performed over the duration of the Project.

16 **4.0 PROJECT MODIFICATIONS**

17 The Construction Contractor is responsible for maintaining an up-to-date SWPPP/ESCP and
18 shall amend the SWPPP/ESCP whenever there is a change in construction or operations. The
19 SWPPP/ESCP shall also be amended if it is in violation of the Construction General Permit or
20 1200-C Permit or has not achieved the general objective of eliminating pollutants in stormwater
21 discharges. The SWPPP/ESCP shall be amended in a timely manner. All amendments should
22 be dated and directly attached to the SWPPP/ESCP. The EPA or ODEQ may require the
23 operator to amend the SWPPP/ESCP.

24 **5.0 ENVIRONMENTAL PROTECTION**

25 Protection measures to ensure construction activities comply with EPA and Oregon
26 requirements for stormwater management to be incorporated into the SWPPP/ESCP are listed
27 in Appendix E of the Plan of Development.

28 **6.0 PROTECTION, MAINTENANCE, INSPECTION, REPAIR, AND** 29 **MONITORING**

30 The Construction Contractor shall at all times properly operate and maintain any facilities and
31 systems of treatment and control (and related appurtenances). Proper operation and
32 maintenance also include appropriate quality assurance procedures. Proper operation and
33 maintenance may require the operation of backup or auxiliary facilities or similar systems if
34 construction takes place in an above average precipitation year.

35 The Construction Contractor will be required to conduct routine maintenance and emergency
36 repair on any structural controls, including the maintenance of erosion and sediment control
37 measures and any required subsequent reporting. As part of the SWPPP/ESCP, the
38 Construction Contractor will be required to develop an inspection schedule and conduct routine
39 inspections to identify conditions that could lead to discharges of chemicals or contact of

1 stormwater with storm drainages or surface waters. Schedules will be established for regular
2 inspections of equipment and areas. Inspections of the construction site shall occur within
3 24 hours following any rainfall event of 0.5 inch or greater to identify areas contributing to a
4 stormwater discharge and to evaluate whether industry standards are in place and functioning
5 properly. For storm events with extended durations, observations shall be performed every 24
6 hours. During inspections, the Construction Contractor will also determine if the industry
7 standards identified in the SWPPP/ESCP are adequate and whether additional control practices
8 are needed. All monitoring and inspection records which have been produced in association
9 with this SWPPP/ESCP will be retained for a period of at least 3 years.

10 To monitor the mitigation's effectiveness and to evaluate whether additional mitigation
11 measures are required a monitoring program and reporting system will be followed. As part of
12 this program, weather conditions should be monitored to prepare for precipitation events. It is
13 recommended that weather forecasts be checked at least every week.

14 **7.0 TRAINING**

15 The Construction Contractor will be responsible for the SWPPP/ESCP implementation,
16 amendments, and revisions. On-site construction personnel will be responsible for installation
17 and maintenance of on-site mitigation measures.

18 Properly trained personnel are more capable of preventing spills, responding safely and
19 effectively to accidents, and recognizing situations that could lead to stormwater contamination.
20 The Construction Contractor will be responsible for familiarizing their personnel with the
21 information contained within the SWPPP/ESCP. Training meetings will need to be held for new
22 personnel who join the Project after the initial training has been provided. The purpose of these
23 meetings will be to review the proper installation methods and maintenance of all erosion control
24 measures to be used for the Project. The monitoring/inspection program and all required
25 maintenance and repair will be conducted by trained personnel.

26 **8.0 POST-CONSTRUCTION STORMWATER MANAGEMENT**

27 Mitigation measures used to reduce pollutants in stormwater discharges after all construction
28 phases have been completed at the sites should take into account local post-construction
29 stormwater management requirements, policies, and guidelines, as well as site-specific and
30 seasonal conditions. Post-construction mitigation measures will be assessed during future line
31 maintenance. During line maintenance, any areas disturbed by the line installation that are
32 observed to be eroding sediment into drainages will be assessed for the appropriate permanent
33 mitigation measure to control sediment movement off the disturbed area. Disturbed areas will
34 also be reclaimed in accordance with the final Framework Reclamation Plan (see Appendix G of
35 the Plan of Development).

