2.10

Surface Water Runoff (WAC 463-42-215)

WAC 463-42-215 PROPOSAL — SURFACE-WATER RUNOFF.
The applicant shall describe how surface-water runoff and erosion are to be controlled during construction and operation to assure compliance with state water quality standards.
[Statutory Authority: RCW 80.50.040(1) and chapter 80.50 RCW. 81-21-006 (Order 81-5), §463-42-215, filed 10/8/81. Formerly WAC 463-42-330.]

2.10 SURFACE WATER RUNOFF (WAC 463-42-215)

2.10.1 INTRODUCTION

The Certificate Holder has an Erosion and Sedimentation Control Plan and an Environmental Protection Control Plan that were approved by EFSEC on September 19, 2001. These plans provide surface water runoff controls during both construction projects and operational activities and are applicable for Phase II construction and operation. The following sections summarize the procedures that the Certificate Holder anticipates using to control erosion and surface water runoff during construction and operation of the proposed project.

2.10.2 EROSION CONTROL DURING CONSTRUCTION

This section presents information on the erosion control practices to be generally followed during construction (Subsection 2.10.2.1) and additional information on erosion control during construction at the plant site (Subsection 2.10.2.2).

2.10.2.1 General Practices

Erosion control measures will be used in accordance with the requirements of the approved Erosion and Sedimentation Control Plan. The Certificate Holder does not anticipate the need to modify this plan. However, the Certificate Holder will do so should conditions of the Site Certification Agreement amendment require modifications.

The Environmental Protection Control Plan establishes a monitoring and control program that documents all site environmental activity, including events or activities that do not comply with environmental commitments. The plan establishes administrative procedures to communicate such events or activities to site management and to bring about corrective action. Stop-work steps are given in the event that an activity is observed to be in violation of permits or environmental regulations. The plan also outlines steps for obtaining an environmental review of proposed activities. An Environmental Checklist will be modified to include specifications for commitments made as relates to Phase II prior to construction.

Erosion and sediment control best management practices (BMPs) consistent with those in the *Stormwater Management Manual for the Puget Sound Basin* (WSDOE 2000) will be employed during construction of Phase II and will comply with the requirements of the existing Erosion and Sedimentation Control Plan. BMPs will include limiting certain construction activities and installing temporary control structures such as sediment traps and silt fences. Generally, erosion control measures will include measures such as silt fences, diversion ditches, hydroseeding, and sediment traps.

Construction activities will be controlled to the extent possible to help limit erosion. Clearing, excavation, and grading will be limited to areas absolutely necessary for construction of the project.

Areas outside the construction limits will be identified and clearly marked, and equipment operators will be instructed to avoid these areas.

2.10.2.2 Power Plant Site

The Phase II site was previously graded and covered with a layer of gravel for use as an equipment and material laydown area during construction of Phase I. Additional grading will be required to prepare the site for construction of Phase II.

Runoff from the northern portion of the site will be routed through existing ditches and culverts to the C-1 pond, which is located on Satsop Development Park property to the west. If necessary, surface water runoff from the site can be pumped through a series of ditches and culverts to the existing Equalization Pond on the main Satsop Development Park property. This pond would provide additional storage capacity during construction if surface water runoff is unusually high.

2.10.3 STORMWATER POLLUTION PREVENTION

The existing Site Certification Agreement provides the basis for the stormwater pollution control program. Used in conjunction with the existing Erosion and Sedimentation Control Plan, the existing NPDES permit, and implementing EFSEC resolutions, will ensure compliance with water quality standards.

2.10.3.1 Construction

The Certificate Holder currently has an approved NPDES permit that covers stormwater discharges, including stormwater discharges from the proposed plant site. In addition, the SCA addresses stormwater management during construction, and includes the following requirements:

- The project must comply with all pertinent industry standards for control of any unforeseen surface water runoff event during construction, and must notify EFSEC of surface water runoff problems.

- The project must abide by turbidity criteria for construction-related runoff as established in the State of Washington Water Quality Standards.

The existing NPDES permit establishes water quality limits and monitoring schedules for total suspended solids, settleable solids, and pH in collected stormwater runoff. These limits are applicable for material storage runoff and construction runoff within the 100-year, 24-hour rainfall event (5.5 inches per 24 hours).

2.10.3.2 Operation

Runoff from the plant site will be directed toward the perimeter ditches and routed as described in Section 2.10.2.2. The Environmental Protection Control Plan will be modified if necessary to include specifications for any commitments made for Phase II plant operations. BMPs consistent

with those in the *Stormwater Management Manual for the Puget Sound Basin* (WSDOE 2000) will be employed during operation of Phase II.

At least annually, facility employees will also receive training in the pollution control laws and regulations, and the specific features of the facility which are intended to prevent releases of oil and petroleum products. Employees at the site will be trained in the following spill response measures:

- Identifying areas that may be affected by a spill and potential drainage routes
- Reporting of spills to appropriate individuals
- Employing appropriate material handling and storage procedures
- Implementing spill response procedures

Stormwater catchbasins and detention systems will be inspected at least annually as part of the site preventive maintenance program. Stormwater catchbasins will be cleaned if the collected deposits fill more than one-third of the depth from the basin to the invert of the lowest pipe leading into or out of the basin.

Inspections will be conducted to confirm that non-permitted discharges are not entering the stormwater system. A summary of each inspection will be retained, along with any notifications of noncompliance and reports on incidents such as spills.