

WAC 463-42-322 Natural environment -- Water. The applicant shall provide detailed descriptions of the affected natural water environment, project impacts and mitigation measures and shall demonstrate that facility construction and/or operational discharges will be compatible with and meet state water quality standards. The applicant shall indicate the source and the amount of water required during construction and operation of the plant and show that it is available for this use and describe all existing water rights, withdrawal authorizations, or restrictions which relate to the proposed source.

- (1) Surface water movement/quality/quantity - The application shall set forth all background water quality data pertinent to the site, and hydrographic study data and analysis of the receiving waters within one-half mile of any proposed discharge location with regard to: Bottom configuration; minimum, average, and maximum water depths and velocities; water temperature and salinity profiles; anticipated effluent distribution and dilution, and plume characteristics under all discharge conditions; and other relevant characteristics which could influence the impact of any wastes discharged thereto.
- (2) Runoff/absorption - The applicant shall describe how surface water runoff and erosion are to be controlled during construction and operation, how runoff can be reintroduced to the ground for retention to the ground water supply, and to assure compliance with state water quality standards.
- (3) Floods - The applicant shall describe potential for flooding, identify the five, fifty, and one hundred year flood boundaries, and all protective measures to prevent possible flood damage to the site and facility.
- (4) Ground water movement/quantity/quality - The applicant shall include the results of a comprehensive hydrologic survey, describe the ground water conditions on and near the site

and any changes in ground water movement, quantity, or quality which might result from project construction or operation.

- (5) Public water supplies - The applicant shall provide a detailed description of any public water supplies which may be used or affected by the project during construction or operation of the facility.
- (6) The Applicant shall provide documentation at the time an application for site certification is submitted that adequate water supplies (rights) have been secured for the operation of the facility. The process to be followed in securing water use authorizations for energy facilities under the jurisdiction of EFSEC are contained in **Chapter 463-XX-XXX**.
- (7) The applicant shall describe the location and type of water intakes and associated facilities including the size and capacities of all facilities. This description shall include a description of the alternatives to using the water as proposed, how the water was secured, where and for what purpose the water was previously used, and alternatives sources of water supply that were considered.
- (8) All water withdrawal facilities shall be metered. An approved measuring device shall be installed and maintained for each water source identified with water rights associated with the proposed facility in accordance with Chapter 173-173 WAC, Requirements for Measuring and Reporting Water Use.
 - (a) Water use data shall be recorded daily and reported to EFSEC quarterly. The maximum monthly rate of diversion/withdrawal and the monthly total volume shall be submitted to EFSEC by January 31st of each calendar year. If the water right has restrictions associated with low flow conditions, the Certificate Holder may be asked to report water withdrawals daily during that low flow period.

- (b) The following water use data shall be included in each submittal of water data.
- Owner, contact name if different, mailing address, daytime phone number, Water Resource Inventory Area, Permit/Certification/Claim No., source name, annual quantity use, including units, maximum rate of diversion including units, monthly meter readings including units, peak monthly flow including units, purpose of use, and period of use.
- (c) Additional specific reporting requirements may be specified at the time of approval based on the circumstances surrounding the water rights in question.
- (d) Personnel from the Department of Ecology or EFSEC, upon presentation of proper credentials, shall have access at reasonable times, to the records of water use that are kept to meet the requirements of this sub-section, and to inspect at reasonable times any measuring devices used to meet the intent of this sub section.
- (e) In any case where a water right has restrictions tied to established low flows, the application shall describe how water consumption will be reduced to accommodate low flow conditions. This should include description of how metering will be used to assure that usage either does not occur during low flow periods or that usage is appropriately reduced during low flow periods.

[Statutory Authority: RCW [80.50.040](#). 92-23-012, § 463-42-322, filed 11/6/92, effective 12/7/92.]