

TECHNICAL REPORT GUIDELINES

I. The technical report should contain documentation sufficient to demonstrate that the proposed project:

- (1) will not impair water quality;
- (2) will not impair the natural flow regime; and
- (3) will not impair the habitat of fish, shellfish, or other forms of aquatic life.

II. The technical report should address the following issues and concerns as part of the information required to demonstrate that the proposed project does not constitute a significant alteration of the habitat of an extraordinary resource water, ecologically sensitive waterbody, or natural and scenic waterway:

- (1) Can the proposed project be constructed and operated without any modification of the stream;
- (2) Will the proposed project require the construction of a physical structure? If a physical structure is required to provide a pool from which water will be withdrawn, the structure shall be designed in a manner that minimizes the impact on stream processes. Under no circumstances shall the structure produce a pool deep enough to allow density stratification and associated processes leading to the degradation of water quality.
- (3) What are the potential impacts of the structure or modification on aquatic organisms, including fish, as well as recreational and aesthetic impacts on the stream. Should a physical structure, such as a weir, be necessary, the possibility of using a weir or other structure constructed with sloping upstream and downstream surfaces and which has a breach to allow for passage of aquatic organisms shall be preferred. Under no circumstances shall the structure pose a physical hazard that endangers persons using the stream for recreational purposes. Under no circumstances shall the structure restrict or impede passage of aquatic organisms;
- (4) Are the potential impacts (physical, chemical, biological, and aesthetic) of an intake structure in an existing or artificially created pool minimized;
- (5) Will the proposed project influence the natural functioning stream system (chemical, physical and biological)? If so, how and to what extent? Will any of the beneficial uses or characteristics for which the stream was designated as an extraordinary resource water, ecologically sensitive waterbody, or natural and scenic waterbody be threatened or eliminated by the proposed project?
- (6) Any proposed project or modification considering the withdrawal of water, shall require a detailed evaluation of all potential impacts of the withdrawal of water during low flow conditions;
- (7) In order to make a proper assessment of potential impacts of withdrawing water from an extraordinary resource water, ecologically sensitive waterbody, or natural and scenic waterbody at least 5 years of flow data from a station located on the subject stream and in the vicinity of the proposed withdrawal shall be required to ensure that the proposed project, once constructed, does not impair the natural flow regime of the waterbody; and
- (8) Evaluation of the potential impacts of the proposed action shall be specific to the site.