

ORDER

Section 18 *Water Act*

Provisional Operation Rule

Arrowsmith Lake Reservoir

1. The licensees shall install, maintain and operate the following gauges and provide water level, flow measurement, and meter reading reports, at the end of each month, for the period May through November, to the Engineer under the *Water Act*:
 - a. water level gauge in Arrowsmith Lake;
 - b. flow measurement gauge on Arrowsmith Creek at the outlet of Arrowsmith Lake;
 - c. flow measurement gauge on Englishman River near Parksville (08HB002); and
 - d. meter(s) at the intake works to measure the water withdrawal from the Englishman River.
2. The Arrowsmith Lake Reservoir shall be maintained at the full supply by July 1 of each year.
3. Between the period of June 1 and October 31 in any year, the flow releases shall be made from the Arrowsmith Lake Reservoir if the Englishman River flow is below $1.6\text{m}^3/\text{sec}$, a flow release shall be made to maintain the flow in the Englishman River above $1.6\text{m}^3/\text{sec}$ at the Englishman River near Parksville (08HB002) hydrometric gauge. (Note – $1.6\text{m}^3/\text{sec}$ is a quantity greater than instream fish flow maintenance plus future maximum monthly water withdrawal demand).
4. When the residual volume of water in the Arrowsmith Lake Reservoir is greater than 75% of the total reservoir volume on August 31 of any year, the Engineer under the *Water Act* (in consultation with the fisheries agencies and the water licensees) may increase the minimum flow required to be maintained in the Englishman River at the Englishman River near Parksville (08HB002) hydrometric gauge.
5. When the volume of water in the Arrowsmith Lake Reservoir is less than 25% of the total reservoir volume on September 30 of any year, the Engineer under the *Water Act* may decrease the minimum flow required to be maintained in the Englishman River at the Englishman River near Parksville (08HB002) hydrometric gauge.
6. This operation rule shall be revised when the intake works are relocated above the Englishman River near Parksville (08HB002) hydrometric gauge.



Larry Barr
Engineer under the *Water Act*

Approved this 2nd day of January, 2008