

Garibaldi at Squamish

WATER SUPPLY COMMITMENTS AND ASSURANCES

Surface water from two non-fish bearing tributaries to the Brohm River above the resort will be the preferred water source for the resort project.

To ensure that GAS Inc. will protect the fish populations in the lower Brohm River and meet the requirements of the “BC Instream Flow Threshold for Fish and Fish Habitat as Guidelines for Reviewing Proposed Water Uses” (2004), GAS Inc. will only withdraw potable/snowmaking water from the two upper Brohm River tributary diversion points during periods of high flow (generally spring freshet). If GAS Inc. determines that additional surface/groundwater is required to support the full build-out of the project, GAS Inc. will conduct an environmental impact assessment of that requirement and seek approval from the appropriate regulatory agencies.

GAS Inc. commits to adopt an aggressive approach to water conservation. Demand management programs will also be utilized. This will require that buildings meet mandated requirements for plumbing fixtures and refrigeration equipment. Water meters and volume-based user rates will be implemented from the outset and irrigation requirements for landscaping will be severely limited.

GAS Inc. commits to monitoring surface flows at the two proposed water withdrawal diversion points and in the lower Brohm River prior to/during construction and operation of the resort as determined by the conditions of a provincial water license, and until flow monitoring is not required as part of the water license conditions.

In addition, GAS Inc. has committed to a “long term monitoring program” that would allow statistically meaningful post diversion cause and effect relations to be established with ongoing development and flow withdrawal. GAS Inc. also commits to a “flow, ecological and geomorphic data collection program” (ENKON workplan dated June 2009) as part of the water licensing approval process. Both programs include data collection and analysis specific to components for hydrology; geomorphology; water quality; fish and fish habitat; and benthic invertebrates. These programs have been designed considering recommendations for proposals to withdraw or divert water as discussed in Lewis et al. (2004) and Hatfield et al. (2007).

GAS Inc also commits to:

1. Construct a potable water treatment plant, with filtration and disinfection to meet BC Safe Drinking Water Regulations (membrane filtration is proposed, chloramines are not).
2. Utilize reclaimed treated wastewater for golf course irrigation after Phase 1C.
3. Impound snowmaking water in open storage reservoirs during periods of high flow in the Brohm River (generally during freshet).
4. Protect the watersheds above the points of diversion by minimizing land development, diverting road way drainage away from the watershed, controlling snowmaking or conditioning additives and utilizing ongoing environmental education programs.
5. Design and implement an ongoing weather and stream-monitoring program as required for permits, licenses and authorizations.
6. Design and construct the potable water distribution system in accordance with good engineering practice and all applicable guidelines and regulations including those of Vancouver Coastal Health Authority; BC Drinking Water Protection Act and Regulation; Fire Underwriters Survey; and District of Squamish and/or the SLRD (as applicable).

GAS Inc. will follow the submission requirements for the construction and rehabilitation of dams during the water licensing review process.

