

# Garibaldi at Squamish

## **LIQUID WASTE TREATMENT COMMITMENTS AND ASSURANCES**

1. GAS Inc. commits to an aggressive water conservation program that will require all homes and buildings to use ultra low flush toilets, low flow showerheads and faucets. In addition, each water service will be metered and that water and sewer billing will be based on the metered use.
2. GAS Inc. will utilize a “community sewer system” as opposed to “individual lots with on site sewage treatment and disposal” for the resort development. The only exception to this may be remote mountain restaurants/washrooms.
3. GAS Inc. will select the conventional sewage collection method for services and pipes in the public right-of-way, to eliminate the use of septic tanks and to minimize the release of odours from the sewer system.
4. GAS Inc. will utilize one treatment plant location, and will likely discharge treated effluent to the Cheekye River with beneficial reuse of some of the effluent for irrigating the golf course(s) as the preferred method of disposal, but commit to implementing either of the three disposal options, determined in further interagency discussions.
5. Treatment of the sewage will achieve an effluent quality that is better than what is required by the BC Municipal Sewage Regulation (MSR). The MSR has specifically defined limits for parameters, below which the environment and public health is protected.
6. GAS Inc. will undertake an “Environmental Impact Study” (EIS) on the river that is ultimately selected to receive treated effluent, prior to construction to confirm the necessary effluent criteria to protect the environment and public health.
7. The EIS will include modeling concentrations of ammonia, phosphorus and other substances of potential concern downstream of the wastewater discharge. In order to obtain the information needed to complete the modeling, GAS Inc. will design a program with the Ministry of Environment to conduct additional baseline water quality monitoring and flow monitoring. Depending upon the impact assessment results, it may also include a recommendation for monitoring other environmental components (e.g. benthic invertebrates and/or periphyton).
8. GAS Inc. will construct an equalization basin upstream of the treatment plant to mitigate peak loadings and fluctuations of sewage that are expected to occur.
9. GAS Inc. will dewater and haul the solids (sludge) to an in-vessel composter operation in Whistler.

