PIN- B SUBMITTAL: DETAILS OF SEWAGE/DISPOSAL SYSTEM

June 22, 2009

All grey water and sewage (effluent) generated from the camp facility will be discharged into a single 1,135 litre surge tank adjacent to the camp. The surge tank will be fitted with a submersible macerator lift pump controlled by level switches to start and stop automatically as required. This submersible pump will pump the effluent to a lagoon situated at least 100 meters downgrade and downwind from the camp, at least 100 meters from a drainage course and 450 meters from fish bearing waters as agreed with the Departmental Representative (DR).

The lagoon will consist of two separate lagoons adjacent to each other and constructed to the dimensions as per the attached drawing. The lagoon base will be excavated approximately 0.5 meters into the existing ground. Perimeter berms will be constructed to a finished inside height of 1.5 meters allowing for a maximum depth of effluent of 1 meter and a freeboard of 0.5 meters. The lagoon base excavated material and/or Type 2 material obtained from Borrow #4 will be used to construct the lagoon berms as agreed with the DR. The berms will be compacted with the onsite vibratory compactor.

Based upon an estimated daily camp water usage of 7,000 litres per day and the same becoming effluent generated daily, allowing for 50 days of total capacity in the lagoons at a maximum effluent depth of 1 meter, the total lagoon capacity, not including the .5 meter freeboard, will be 350,000 litres, 175,000 litres per lagoon.

The lagoon discharge pipe from the camp will feed into the closest lagoon. A tee overflow pipe connecting the two lagoons will be placed so that liquid from beneath any "scum" layer at the surface can pass to the second lagoon.

The camp facility is fitted with 2 separate grease traps that will remove visible mineral oil and grease from the camp generated effluent. EGT and our Inuit catering contractor, Kitikmeot Caterers Ltd., are very experienced in the operation of remote camps, the required wastewater discharge criteria, cooking and housekeeping practices and the 'green' biodegradable products that must be used (and those that must not) to ensure that any effluent can meet discharge criteria. To improve water conservation all bathroom faucets are self closing and shower heads are water saver models.

The operation, discharge and closure of the lagoons will be in compliance with the Water Licence for PINB. The effluent will be sampled and tested at an approved third party testing facility (Maxxam Analytics, Edmonton Laboratory) to determine if the required discharge criterion has been met. EGT will take all required steps to ensure samples arrive at the testing location within the allowable time limits. Once testing confirms discharge criteria is met and discharge is approved the effluent will be pumped and released onto the ground at a location as agreed and approved by the DR that is a

minimum of 30 meters from a natural drainage course, and 100 meters away from any river or any fish bearing lake.

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