



Indian and Northern
Affairs Canada

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File: MV2009L3 - 0025
Hamlet of Fort Liard

January 20th 2010

Mackenzie Valley Land
& Water Board

To: Angela Plautz
Regulatory Officer
Mackenzie Valley Land and Water Board
P.O. Box 2130
Yellowknife, NT X1A 2P6

File

JAN 20 2010

Application # MV2009L3-0025
Copied To APL Regs

SEND BY FAX: (867) 873-6610

RE: HAMLET OF FORT LIARD – DRAFT TYPE B WATER LICENCE AND SNP

Indian and Northern Affairs Canada (INAC) has reviewed the Hamlet of Fort Liard Type B Draft Water Licence and SNP. INAC would like to submit the following comments for the consideration of the Board.

GENERAL

INAC is very pleased with the content of this draft licence and would like to thank the Board for the opportunity to review the draft licence prior to issuance.

PART A: SCOPE AND DEFINITIONS

- No comments

PART B: GENERAL CONDITIONS

- Section 5: INAC recommends that a map of SNP sampling locations as well as GPS coordinates of SNP Stations be provided.

PART C: CONDITIONS APPLYING TO WATER USE

- No comments

PART D: CONDITIONS APPLYING TO WASTE DISPOSAL

- Section 3: The location and names of the Cells are not clearly worded in the draft licence. It was noted in the application that the fourth cell (newly constructed in 2008) is now acting as the primary cell, receiving sewage discharge from the collection trucks and that following discharge of Cell 2 and Cell 3 the flow direction in the lagoons will be reversed. INAC understands that Cell 4 will become the primary cell, Cell 3 will become the secondary Cell, and Cell 2 will become the Discharge Cell, as shown in the attached diagram. INAC recommends the wording of Section 3 be changed to clearly describe the flow path from cell to cell and the decant location. It is recommended that the new cell numbers correspond to the sequence of wastewater discharge and that a map with the name and location of the cell be attached to the licence.

PART E: CONDITIONS APPLYING TO ABANDONMENT AND RESTORATION

- No comments

PART H: CONDITIONS APPLYING TO CONSTRUCTIONS

- Section 3: INAC recommends that the Licensee submit, in addition to the construction design, the specific site location, as well as the environmental conditions at that location (substrate, drainage patterns, etc.). How the site will be constructed and operated (monitoring, maintenance, etc.) should also accompany the design drawings and be submitted to the Board for approval.

PART I: CONDITIONS APPLYING TO OPERATION AND MAINTENANCE

- No comments

SURVEILLANCE NETWORK PROGRAM**1. LOCATION OF SURVEILLANCE STATION(S)**

- No comments
- It is INAC's understanding that the process of decanting the sewage lagoon will occur at the new Cell 3 (old Cell 2), as shown in the attached diagram. It is recommended, for clarity purposes, that a schematic of the Cells, along with cell numbers be attached to the licence.

2. SAMPLING AND ANALYSIS REQUIREMENTS

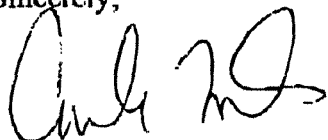
- Part a) Although not mentioned in INAC's previous comments, it is recommended that CBOD be added to the list of parameters to be sampled at Station 1478-5 due to the new proposed CCME Strategy for the Treatment of Municipal Wastewater Effluent.
- Part b) It was noted by the INAC Inspector that Backwash operations occur 2 to 4 times per month. Time required to send out samples is difficult in communities where there is no scheduled air service. INAC recommends amending the frequency of sampling to once during backwash operations.

3. FLOW AND VOLUME MEASUREMENT REQUIREMENTS

- INAC recommends that the monthly and annual quantities discharged to the sewage disposal facility be recorded in addition to the effluent decanted from the Sewage Disposal Facility.

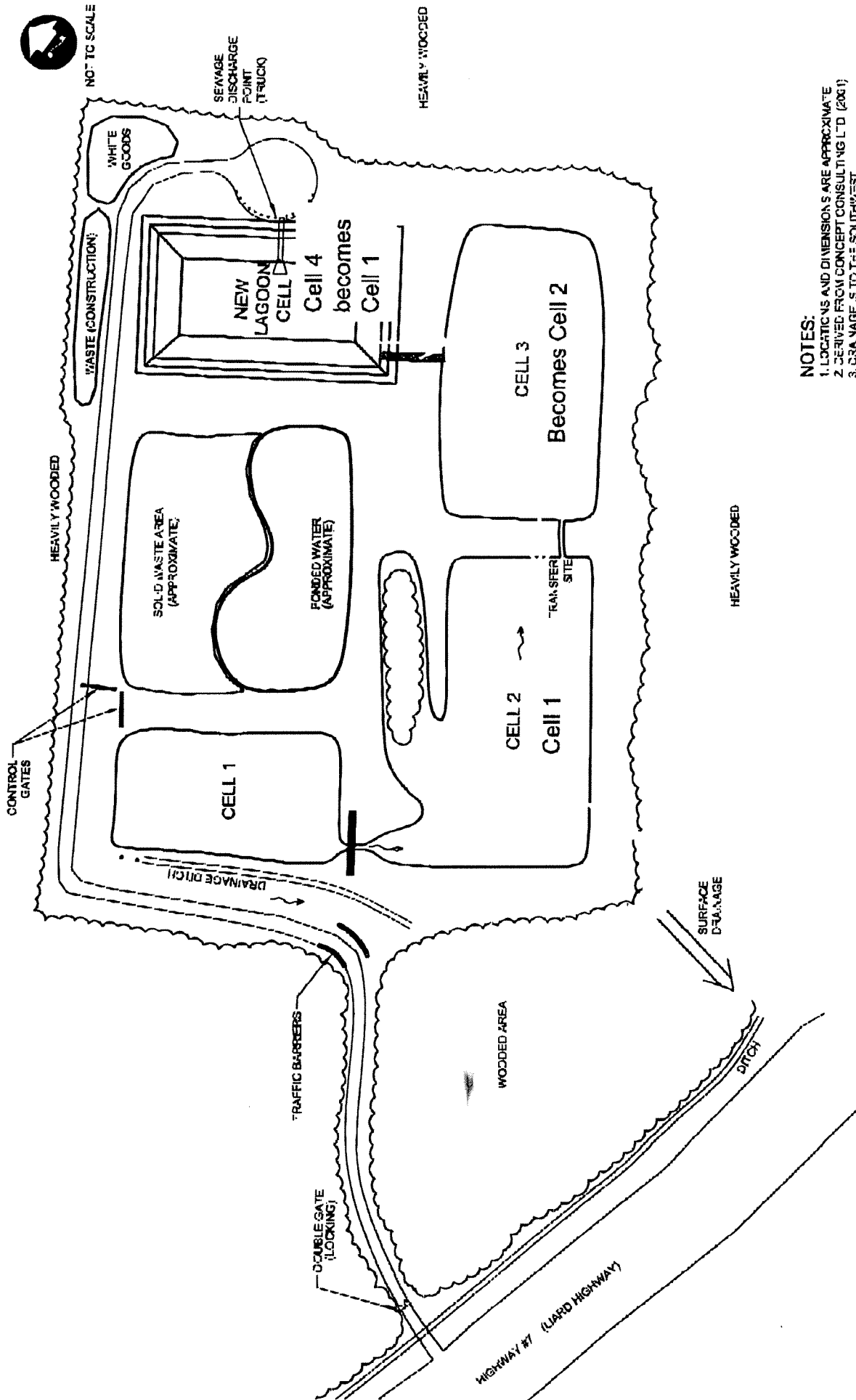
Thank you for the opportunity to provide comments on this application. If you have any questions or concerns please contact either Ms. Catherine Mallet at (867) 669-2402 or by e-mail at Catherine.Mallet@inac-ainc.gc.ca or the Fort Simpson District Office at (867) 695-2626.

Sincerely,



Carole Mills
Manager
Water Resources Division
Indian and Northern Affairs Canada

Attachment: "Sewage Lagoon Diagram"



NOTES:
 1. LOCATIONS AND DIMENSIONS ARE APPROXIMATE
 2. DERIVED FROM CONCEPT CONSULTING LTD (2001)
 3. CRANAGE S TO THE SOUTHWEST