



P.O. Box 119
GJOA HAVEN, NU X0B 1J0
TEL: (867) 360-6338
FAX: (867) 360-6369

ᓄᓇᓂᓪ ᐃᓚᓕᓂᓪᓴᓪ ᑲᓂᓚᓪᓴᓪ
NUNAVUT IMALIRIYIN KATIMAYINGI
NUNAVUT WATER BOARD
OFFICE DES EAUX DU NUNAVUT

File No: 3BE-GJO

August 1, 2006

Mr. Richard Dwyer
Nunavut Water Board
P.O. box 119
Gjoa Haven, NU X0B-1J0
Email: licensingtrainee@nwb.nunavut.ca

Subject: 3BE-GJO license inspection assessment

Dear, Richard

Here is the assessment from Gjoa Haven Municipal license of the Sewage Lagoon, Landfill, and Water Intake for potable water. I have reviewed the Inspection reports and made an assessment listing the major issues within the Sewage Lagoon, Landfill and Water Intake Facility so the Board can review.

Submissions and Comments

1. May 25, 2000 housing and work dept. offered the hamlet a budget of approx. \$20,000 for new fuel storage tank existing tank was close to rotting through. Did they replace the tank?

Jul. 27, 2005 W.U.I. Report

2. The new water intake facility was still not completed during the inspection.
3. Large number of drums of waste oil and contaminated soil are at the land fill.
4. Many of the drums don't have lids.
5. Metal and oil drum storage are up hill in the landfill. In Part B General Conditions, #6 Hamlet must call 24Hr. Hotline and report any spill, regardless of who spilled or contributed to the spill.

6. Nov 17, 2000 mitigation of blood worms infestation. Hamlet had intake screen replaced with proper size for first step filtration.
7. Dead animals were found around bulk metal site.
8. There is a large amount of fuel and oil spills that have not been reported.
9. The Hamlet must repair the lagoon.

Jul. 21, 2004 W.U.I. Report

10. Swan Lakes' new water intake has not been completed yet. It is planned to be finished in September 2004.
11. There have been complaints about water quality.
12. Fuel tank was assured by Ed that it will be bermed and lined
To protect intake.
13. Chlorine pump should be upgraded to prevent spills.
14. The old pump does not meet community needs.
15. The metal dump should be moved because of sewage lagoon out flow.
16. No signs are posted, they are needed around sewage outflow and where ever hazardous to safety.
17. Hamlet is out of compliance with oil storage and segregation of hazardous waste & the SNP.
18. An annual report has not been filled out for that year.
19. No O&M manuals to sewage and waste disposal.
20. Hamlet does not have proper equipment to cover landfill.
21. Leaching flows down to the ocean.
22. "Gjoa Haven sewage lagoon has to be one of the least problematic in the Kitikmeot" GN says.
23. INAC says lagoon still must be repaired
24. Spills were observed behind the hamlet garage and went unreported.

Dec. 29, 2002 W.U.I. Report

- 25. Some maintenance is required on water intake facility.
- 26. Motor boat observed near intake area.
- 27. A major concern was the presence blood worms in the potable water. Given the water intake plant was not in use samples were within the guidelines.
- 28. Solid waste breach (in south face) waste oil was stored in solid wasted facility.
- 29. Bulky metal dump was partially segregated.
- 30. Ammonia content in solid waste samples was 40.2mg/l vs. 2.2mg/l.
- 31. Samples have not yet been collected by WRO.
- 32. Fuel storage was acceptable.
- 33. Still need annual reports for 1999, 2001.
- 34. O&M plan & A&R plan not yet submitted.

Aug. 22, 2002 W.U.I. Report.

- 35. Water filtration requires maintenance.
- 36. Blood worms present in potable water.

Oct. 2001 W.U.I Report

- 37. Noticeable improvement in water supply since August 13, 2001.
- 38. The contents of sewage lagoon reach the lowest point of the berm causing erosion reducing retention time.
- 39. TSS sample read 270mg/l vs. 180 mg/l.

Nov. 2001 W.U.I. Report

- 40. Facilities were outdated.
- 41. Conveyance lines patched up due to winter freeze-ups.

- 42. Filtration plant at pump house is inoperable blood worms were peasant.
- 43. Lagoon was too small for community needs the berm was raised.
- 44. Discharge lies in disrepair.
- 45. Water accumulated within solid waste disposal site.
- 46. Won't compact solid waste because of unknown nature of its past contents,
But segregated and controlled burning was done.

Aug. 14, 1997 W.U.I. Report

- 47. Since intake facility was handed to hamlet, little information was given on how to operate.
- 48. Cases of chlorine for water treatment was stored were ever possible facility was too small.
- 49. Hypo chlorination was the only process of operation by the hamlet.
- 50. There was an unbermed fuel tank in the building hazardous for potable water.
- 51. An upgrade or salvage of unusable equipment is needed.
- 52. Gjoa Haven almost ran out of water in winter.
- 53. Leachate of the south face breach was able to flow to the ocean.
- 54. Collapsed fence and lots of blown garbage.
- 55. Inefficient and ineffective organization which means dump will have less life then planned.
- 56. Improper storage of oil drums.
- 57. Out flow of sewage is not posted by sign, they need to post some signs.
- 58. Discharge point of sewage lagoon is eroded and needs to be repaired.

Oct. 10, 1995 W.U.I. Report

- 59. Water is chlorinated automatically.
- 60. Water trucks are cleaned every 3 months.
- 61. Honey bag sewage is handled well but is almost full.

62. 4500 liter truck is used but in near future the planned to acquire a new 11, 000 liter truck.

63. Fuel storage in water intake appears to be great.

64. October 10, 1995 Gjoa Haven Had no License.

Oct. 14, 1992 W.U.I. Report

65. Water taken in from small lake reservoir.

66. Repair being done on piping for more efficiency.

67. Pump house not in service.

68. Potable Water brought to residents 7 Days a week with three 4500 liter trucks.

69. When the facilities were operated by DPW and GNWT.

70. Some wind blown garbage.

Sincerely,

Albert Anguttitauruq
Summer Student