

C. M. P. 2000
SNP 2000
Annual

28,000 m²

For Administrative Use	
File:	
Date:	/ /
Due date:	/ /
Municipal	___
Industrial	___
Maps Dwgs	___

DETAILED LEVEL I SCREENING REPORT

Environmental Assessment and Review Process (EARP)
Indian and Northern Affairs Canada,
Northern Affairs Program, Water Resources Division

1. PROJECT IDENTIFICATION

Applicant: Hamlet of Baker Lake
Licence Application: Renewal: X - Amendment: X Other:
Present Licence Number: N6L4-1191
Date of Application: 10/03/93 Proposed Date of Undertaking: 01/09/93
Submission Title: Municipal water licence renewal
Location: Community of Baker Lake, on Baker L., Keewatin Dist.
Project Description: water use and waste disposal (sewage & solid waste) for municipal purposes in the hamlet.
Relevant Plans/Studies: DE Concept Report ~ Solid Waste Disposal for Baker L. (1991); file reports & correspondence.
NAP District: KEEWATIN
Class exemption from further Screening: Yes No X If "Yes" explain decision and then proceed to "Recommendations":
Previous screening of similar projects Yes X No , Describe: Several municipal water licence applications & renewals
Date distributed: 27/04/93 Date Comments due: 25/05/93
Other regulatory permits: ☐ Ocean Dumping ☐ Fisheries Act ☐ TLA
☐ Other

2. Description of Potential Environmental Effects and Concerns:

2.1 Bio-Physical

2.1.1 Plants/Animals: No specific problems or concerns noted. Caribou occasionally are seen wandering around the waste disposal areas
Significance of Impact or Deficiency: insignificant
2.1.2 Fish Habitat/Utilization: potential contamination from sewage & dump leachates in water bodies along discharge path to Baker L.
Significance of Impact or Deficiency: insig, unknown
2.1.3 Water Quality: Drinking water tests out regularly "OK" from Baker L. but concern noted re potential for contamination from dump & sewage discharges; water intake well out into Baker L.
Significance of Impact or Deficiency: minor; unknown
2.1.4 Hydrologic Regime: No specific concerns. However natural drainage pathway (creeks, roads, sewers, effluents, etc.) moves & moves, esp. when washed, spread out.
Significance of Impact or Deficiency: insign Baker L.
2.1.5 Soils: No specific concerns noted or expected, given lack of soils in area. However, some localized staining of soils within dumps metal waste was noted - from drums.
Significance of Impact or Deficiency: insign.

2.1.6 Groundwater: Concern re potential for water to be contaminated from sewage, dump leachate, waste oil.

Significance of Impact or Deficiency: insign - minor; unknown

2.1.7 Surfacewater: As above, particularly along sewage discharge path from lagoon to Finger L to Airplane L to Baker L.

Significance of Impact or Deficiency: insign - minor; nil; unknown

2.1.8 Air Quality: Some local concern expressed re smoke & odours wafting into town from the dump esp. during burning; being addressed.

Significance of Impact or Deficiency: minor; mitigable

2.2 Socio-Economic

2.2.1 Public Concerns: noted elsewhere, particularly re dump burning - odour, smoke; blowing debris. Hamlet has been making changes - even when blow away, cover.

Significance of Impact or Deficiency: minor; being mitigated

2.2.2 Land/Water Use: No specific concerns, other than as noted elsewhere. Activities not restricted because of water/waste disposal problems.

Significance of Impact or Deficiency: insign

2.2.3 Resource Users: No specific impacts identified, although concern noted occasionally re waste cover; potential sick contamination. windblown garbage attracts from local berry picking.

Significance of Impact or Deficiency: insign - mitigable

2.2.4 Employment: No impacts expected. Some (+) effects due to jobs provided in the town for operation & maintenance of facilities.

Significance of Impact or Deficiency: (+)

2.2.5 Land Claims: No concerns were noted or expected at this time. The community will eventually be under Naresut authorities, boards etc.

Significance of Impact or Deficiency: nil

2.3 Other

2.3.1 Consequence of Accidents: No impacts or concerns noted or expected.

Significance of Impact or Deficiency: nil - insign

2.3.2 Public Health: Some local & Health Dept. concerns re possible contamination of drinking water (test fine) from sewage discharge, dump leachate, garbage (beaver farm); burning & odours from dump, smoke.

Significance of Impact or Deficiency: minor; mitigable; unknown

2.3.3 Cultural: Local residents noted windblown garbage around nearby UQUUTALIK, an area archeologically important locally, used for berry picking etc.

Significance of Impact or Deficiency: insign; being mitigated

2.3 Other: (UACH noted new dump was designed to divert runoff so no leachate should not really be a problem).

Significance of Impact or Deficiency:

3. Summary of Recommended/Planned Mitigation Measures:

- continue with design work for construction of a new lagoon
- should develop and Operations & Maintenance plan for solid waste etc, which considers measures to prevent dump leachate, examines alternatives to prevent burning, burning etc to ensure surface & groundwater contamination doesn't occur
- Health suggests a water quality study to determine what contaminants (levels etc) are getting into Finger L to Airplane L to Baker L (in from sewage discharge & dump leachate (burning & runoff sources).

4. Monitoring Requirements: - DFO / Glen - recommend additional parameters be sampled, and add'l monitoring be done to determine potential/actual contamination levels along sewage discharge path.

5. Project Alternatives (assessed by applicant or recommended by reviewers):

None at present. A new dumpsite recently opened, & MACA is looking into upgrading the sewage disposal system.

6. Consultation/Public Review:

Agency	Sent		Respond	Agency	Sent		Respond
INAC-NAP - Wat. Res.	☒	☒		DFO	☒	☒	ref. joint interv. on to resi.
Lands	☐	☐		DOE - EP	☒	☒	
En. & Con.	☒	☒		GNWT/MACA Lands	☐	☐	
Minerals	☐	☐		Com. Wks.		☐	
District	☒	☒		GNWT - Health	☐	☐	
GNWT - Ren. Res.	☒	☐		GNWT - DPW	☐	☐	
Cham. of Mines	☐	☐		Assoc. Municipal.	☐	☐	
Other	☐	☐		Native Org.	☒	☐	

WB public hearing transcripts - May 25/93
a local concerns; WB referral items

7. Conclusions/Recommendations:

The application should proceed through licensing process. Some of the concerns have already been addressed and potential concerns could be answered by further monitoring/study of water quality along sewage/dump leachate path.

8. Authorization:

Report Prepared by:

Greg Cook

Date: 13/06/93

Report Checked by:

Date: / /