



HAMLET OF ARVIAT
P.O. BOX 150
ARVIAT, NUNAVUT
X0C-0E0

General Office: 867-857-2841 | Nunavut | Facsimile: 867-857-2519

Supplemental Technical Information

Hamlet of Arviat
 Maguse Road Project
 Arviat, Nunavut

Board

001 16 2003

Public Registry

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1. Waterbody/crossing water course name:
 1. Itigugjuaq esker 61°16.150, 94°13.950
 2. Amitturjuaq lake 61°16.950, 94°17.700
 3. Amitturjuaq lake 61°17.215, 94°21.360
 4. Tuktuhiuvik 61°17.941, 94°25.951
 5. Tuktuhiuvik 61°19.020, 94°27.624
 6. Kiktuqajuaq 61°19.208, 94°29.747
 7. esker 61°19.635, 94°32.700
2. Site photos attached in enclosed disk.
3. Land Use Permit and Quarry License applied with Kivalliq Inuit Association and Indian and Northern Affairs Canada.
4. The project is required by the hunters/public to travel easier to Maguse Lake and other areas of the land. The Hamlet of Arviat will cooperate with Kivalliq Inuit Association, which will give us guidelines to the project.
5. #1 crossing water course- located in a small valley between the 2 eskers
6. Existing habitat:

Fish community- Arctic greyling and lake trout at Amitturjuaq Lake
 The road will not have an impact on the fish
 Sensitive habitat unknown to Hamlet of Arviat
 Will not affect fish bearing water

7. Construction details:
 - i. No in water work required
 - ii. Proposed start date of August 2004 to September 2006
 - iii. Culvert
 - iv. No special installation process
 - v. Culvert diameter of about 70 cm
 - vi. Front-end loader and bulldozer
 - vii. No specific sequence of construction
 - viii. Sediment control to be determined at a later date
 - ix. Land officer or works foreman to monitor construction
 - x. None
 - xi. No employee is qualified to assess impact of fish and habitat
 - xii. Rocks to be used as stabilizers
 - xiii. Quarry sites only impacted areas
 - xiv. Contingency plan is to reroute when necessary

xv. Revegetation unnecessary

xvi. Photos taken before and to be taken while construction occurs

8. Bridge:

- i. Approximately 8 ft. by 20 ft. bridge proposed
- ii. No structures to be placed in waters
- iii. No changes expected
- iv. No barriers to restrict movement of water or fish at any time
- v. None
- vi. Approximately 20 sq.m.
- vii. Stabilization by wire netting for rocks

9. Culvert installation:

- i. Diameter of approximately 70 cm and 5 metres long
- ii. Aluminum culvert
- iii. No culvert to be placed in fish bearing waters/course
- iv. Slope of culvert will be close to level
- v. None