

QUARRY ADMINISTRATION AMENDING AGREEMENT

File No.: 420-2007-01-QUA

**THIS INDENTURE** made in duplicate this 28 day of February 2011.

**BETWEEN**

**THE COMMISSIONER OF NUNAVUT,**

hereinafter called "**the Commissioner**"  
**OF THE FIRST PART,**

**AND**

**THE MUNICIPAL CORPORATION OF THE HAMLET OF KUGLUKTUK** in  
Nunavut

hereinafter called "**the Municipality**"  
**OF THE SECOND PART,**

**WHEREAS the Commissioner of the Nunavut** has entered into an agreement with the Municipality under Quarry Administration Agreement dated the 22<sup>nd</sup> day of October, 2007, all that certain parcel of land more particularly described therein as:

All those parcels of land at Kugluktuk in Nunavut outlined and shaded in red on the attached map(s) described as Map A, consisting of Quarries #1,#,2#3,#4, near town and Map B, consisting of quarry #5 near Four Mile Bay, Map C consisting of quarry #6, annexed hereto and outlining the boundaries of the quarries with a status description of closed or open located within Appendix Two (2)

**WHEREAS** Indian and Northern Affairs Canada has jurisdiction of quarries outside the Municipal Boundaries;

**AND WHEREAS** Map C, quarry #6 is located outside of the Municipal Boundary/Block Land Transfer for the Hamlet of Kugluktuk;

**NOW THIS INDENTURE WITNESSETH** that the parties hereto covenant and agree that the Quarry Administration Agreement dating October 22, 2007 be and is hereby amended by **revocation of the sketch for Map C, Quarry #6**, which is annexed thereto and has formed part of the Quarry Administration Agreement,

**AND** that the parties hereto covenant and agree that Quarry Administration Agreement dated October 22, 2007 be and is hereby amended by revocation of the present description of the land contained in the Quarry Administration Agreement dated and the substitution of the following there for:

All those parcels of land at Kugluktuk in Nunavut outlined and shaded in red on the attached map(s) described as Map A, consisting of Quarries #1,#,2#3,#4, near town and Map B, consisting of quarry #5 near Four Mile Bay, annexed hereto and outlining the boundaries of the quarries with a status description of closed or open located within Appendix Two (2)

**AND the Commissioner and the Municipality** agree that all other terms and conditions of the said agreement are confirmed.

**IN WITNESS WHEREOF** the parties have executed this amending agreement as of the date and year first above written.

**SIGNED, SEALED AND DELIVERED**

)  
)  
)  
)  
)

**THE COMMISSIONER OF  
NUNAVUT**

PER

*J. Ballum*  
\_\_\_\_\_  
(SEAL)



**SIGNED, SEALED AND DELIVERED**

by the Mayor  
by the Senior Administrative Officer  
Of the Municipal Corporation of the  
Hamlet of Kugluktuk

)  
)  
)  
)  
)  
)

*Lucy Phoenix*  
\_\_\_\_\_  
Mayor (SEAL)

*Donald LeBlond*  
\_\_\_\_\_  
SAO



## QUARRY ADMINISTRATION AGREEMENT

FILE NO.420-2007-01-QUA

THIS INDENTURE made in duplicate this 22<sup>nd</sup> day of OCTOBER, 2007

**BETWEEN**

**THE COMMISSIONER OF NUNAVUT,**

Hereinafter called "**the Commissioner**"

**AND**

**THE MUNICIPAL CORPORATION OF THE HAMLET OF  
KUGLUKTUK, in Nunavut**

hereinafter called "**the Municipality**"

**THIS AGREEMENT** is delegated quarry administration management to the Municipality of those quarries, lying and being in and being composed of,

All those sketch parcels of land at Kugluktuk in Nunavut shown outlined and shaded in red on the attached map(s) described as Map A, consisting of quarries #1, #2, #3, #4 near town and Map B, consisting of quarry #5 near Four Mile Bay, Map C, consisting of quarry #6, annexed hereto and outlining the boundaries of the quarries, along with a status description of closed or open located within Appendix Two (2),

Hereinafter called "**the land**" subject to the reservations and exceptions contained in the Commissioner's Land Act and the Commissioner's Land Regulations and to the following reservations:

- a) all mines and mineral whether solid, liquid or gaseous which may be found to exist within, upon or under the land together with the full powers to work the same and for the purpose to enter upon, use and occupy the land or so much thereof and to such an extent as may be necessary for the effectual working and extracting of the said materials;
- b) the rights of the recorded holders of mineral claims and any other claims or permits affecting the land;
- c) all timber that may be on the land excepting what must be removed for the purpose of landscaping or the construction of improvements;
- d) such rights of way and of entry as may be required under regulations in force in connection with construction, maintenance and use of works for the conveyance of water for use in mining operations; and
- e) the right to enter upon the land for the purpose of installing and maintaining any public utility.

**THIS AGREEMENT** effective date is April 01, 2007 and shall be in force and effect for a period of five (5) years ending March 31, 2012.

**IN CONSIDERATION** of this Agreement, the Municipality shall pay one (\$1.00) dollar every year to the Commissioner of Nunavut.

**THE PARTIES COVENANT AND AGREE AS FOLLOWS:**

**DEFINITION**

1. In this Agreement "Deputy Minister" means the Deputy Minister of the Department of Community Government & Transportation, and any person authorized in writing by the Commissioner to act on behalf of the Deputy Minister.

**TERMINATION**

2. Termination of this Agreement shall not prejudice the Commissioner's right to unpaid fees or any other right with respect to a breach of any covenant or Agreement herein contained.

**SURVEY**

3. The boundaries of the land are subject to such adjustment and alteration as may be shown to be necessary by survey.

**LAND USE**

4. The Municipality shall ensure the land is for quarry purposes only.

**AUTHORITY**

5. The Municipality is hereby authorized to exercise the power set in Sections 31, 33 and 33.1 of the Commissioner's Land Regulations. Nothing in this Agreement shall grant the Municipality the authority to lease or otherwise dispose of the land to a third party.
6. Applications will apply to the Municipality who will be responsible for issuing a quarrying permit. The Municipality, upon receipt of payment in advance of royalties and fees at rates set out in the Commissioner's Land Regulations, may issue a quarrying permit to any person or corporation applying therefore, authorizing the person or corporation to take such quantity of materials named in the permit from the lands described in the permit subject to the conditions contained therein.

7. The Municipality will assume responsibility and liability for the operation of the quarries under this Agreement in accordance with the Mine Health and Safety Act and the Mine Health and Safety Regulations, and the Commissioner's Land Act and the Commissioner's Land Regulations, and all other applicable territorial and federal legislation.

#### **QUARRY MATERIALS**

8. Government and Municipal requirements for granular material will be given precedence to private interests.
9. The Municipality will take all reasonable precautions to ensure that granular material is used for the purpose for which it is best suited, keeping in mind such factors as quality, quantity and the conservation of the same.
10. Except in the case of material removed pursuant to s.32 of the Commissioner's Land Regulations, the Municipality will ensure that no material will be removed from the quarries under this Agreement by an individual, corporation, municipality, government or person unless a quarrying permit authorizing the removal has been issued.

#### **QUARRY PERMITS**

11. The Municipality shall issue complete and correct quarry permits in accordance with the form prescribed by the Commissioner's Land Regulations, as amended from time to time.

#### **FEES**

12. The fees for permits, fees and royalties are as established under the Commissioner's Land Regulations.
13. The Municipality shall retain the fees it collects in accordance with the Commissioner's Land Regulations.
14. The Municipality will not charge additional fees unless the Commissioner's Land Regulations, as amended from time to time, allow for such additional charges and the Municipality is authorized to do so under municipal legislation at the time. The Municipality will issue a receipt for all funds collected.
15. The Municipality shall establish and deposit all fees for quarry restoration into a Restoration Reserve Fund consistent with the provisions of the Tax-Based Financial Handbook published by the Department of Community Government & Transportation. The Municipality shall provide an audited report the Deputy Minister within one hundred and twenty (120) days of the end of the Municipality's fiscal year indicating the standing of the Restoration Reserve.

16. Subject to s.31.2 of the Commissioner's Land Regulations, the Municipality shall use all monies in the Restoration Reserve Fund to restore quarries, including the development of a restoration plan and for no other purposes. Should monies remain in the reserve fund after restoration is complete, the balance will be remitted to the Commissioner. If sufficient funds are not available in the Restoration Fund to complete the approved restoration, the Commissioner may assist the Municipality to providing up to Fifty (50%) of the additional funds to complete restoration.
17. The Municipality shall pay royalties collected pursuant to Clause 12 to the Commissioner, and shall deliver a statement indicating the types and quantities of materials quarried from all quarries under this Agreement to the Deputy Minister on or before the 31<sup>st</sup> day of March in each and every year of this Agreement. Granular materials shall be as defined by the Commissioner's Land Act, and includes limestone, granite, slate, marble, gypsum, loam, marl, gravel, sand, clay, volcanic ash or stone, but do not include minerals.

#### **MANAGEMENT AND RESTORATION PLAN**

18. The Municipality shall have a Management and Restoration Plan for each quarry. The Plan must be received and acknowledged by the Regional Lands Administrator as being complete prior to the execution of this Agreement and will form part of this agreement as Appendix One (1). Without restricting the scope or contents of the Plan, it shall include:
  - a) a statement of estimated material in the quarry
  - b) a statement of the management of the site, including removal methodology, depth of excavation, sequence of extraction
  - c) a statement on the method of operation, including stripping and location of overburden and topsoil materials, drainage and erosion control measures
  - d) a statement on the method and timing for restoration which will prevent substantial water-ponding, and include a final site contouring design and/or preparation of the land for a different land use; and such a Management Restoration plan shall be prepared with the objective of operating and managing the land in an environmentally safe manner.
19. Unless otherwise agreed, the Municipality shall manage and restore all quarries under this Agreement in accordance with the Management and Restoration Plan prepared pursuant to Clause 18, and quarries shall be restored within twelve (12) months of depletion of the quarry.
20. The Deputy Minister may, at any time during the term of the Agreement, request the Municipality to review and update the Management and Restoration Plan.

## **ENVIRONMENT**

21. Notwithstanding anything herein to the contrary, the Municipality shall, at all times, keep the land in a condition satisfactory to the Deputy Minister.

## **RESTORATION**

22. On the termination of this Agreement, the Municipality shall deliver up possession of the land in a condition satisfactory to the Deputy Minister.
23. Where the Municipality fails to restore the land as required and within the time allowed by Clause 19, the Deputy Minister may order the restoration of all or any part of such land and any expenses thus incurred by the Deputy Minister shall be recoverable from the Municipality as a debt due to the Commissioner.

## **EASEMENTS**

24. The Commissioner may, where the Deputy Minister deems it necessary in the public interest, establish easements through, under or over any portion of the land for any public utility purpose, but said easements shall not unreasonably interfere with the rights granted to the Municipality hereunder or with any improvements made by the Municipality on the land.

## **TIME**

25. Time shall be of the essence in this Agreement.

## **WAIVER**

26. Unless a waiver is given in writing by the Deputy Minister the Commissioner shall not be deemed to have waived any breach by the Municipality of any of the covenants or Agreements herein contained, and a waiver relates only to the specific breach to which it refers.

## **ADDRESS FOR NOTICES**

27. Wherever in this Agreement it is required or permitted that notice or demand be given or served by any party to this Agreement to or on the other, such notice or demand shall be given or served in writing and forwarded by registered mail, addressed as follows:

To the: Kitikmeot Regional Director of CGS  
Department of Community and Government Services  
Government of Nunavut, Post Bag 200  
Cambridge Bay, NU, X0B 0C0

To the Municipality:

The Municipal Corporation of the  
Hamlet of Kugluktuk,  
General Delivery,  
X0B 0E0

Or to such other address as either of the parties may from time to time notify the other in writing in the manner hereinbefore provided.

**IN WITNESS WHEREOF** the parties have executed this Agreement as of the date and year first above written.

**SIGNED, SEALED AND DELIVERED** )

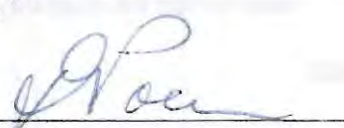
By )

**THE COMMISSIONER OF  
NUNAVUT**

  
\_\_\_\_\_  
(SEAL)


**SIGNED, SEALED AND DELIVERED** )

By the Mayor )

  
\_\_\_\_\_  
(SEAL)

by the SAO )

of the Municipal Corporation of  
Hamlet of Kugluktuk. )

  
\_\_\_\_\_  
(SEAL) SAO



**Appendix One**  
**Quarry Management and Restoration Plan**

**Appendix One**  
**Quarry Management and Restoration Plan**

**Hamlet of Kugluktuk**  
**Quarry Administration Agreement**  
**Quarry Management Plan (QMP)**

Quarry Management is designed to identify responsibility for the administrative authority, the permit holder, and the community at large.

The administrative authority, the Hamlet of Kugluktuk, is responsible to manage the quarry application and permit process with the goal of controlling the timing, type, quantity and location of materials taken for the protection and preservation of the land that supports the people, wildlife, natural resources, recreation and future development options of the community.

The permit holder is responsible to work within the limits and conditions made and enforced by the Municipal Corporation of the Hamlet of Kugluktuk. The Hamlet reserves the right to refuse a permit according to the criteria outlined in the application process.

The community at large is responsible to guide the quarry development process to ensure that locations chosen for quarrying have a purpose beyond the life of the quarry that will lead to the betterment of the community. One such goal is to plan future development in those areas where quarrying is required to shape the land to a suitable topography to maximize the economic development potential of the land.

The Hamlet of Kugluktuk has identified the following goals:

- Plan future community development by consulting the Community Plan, By-law #205, to locate engineered quarries to ensure future growth
- Set up internal administrative structure of documents for quarry administration
- Organize existing quarries in use and develop their potential
- Enforce a consistent practise of extraction methods and ensure accuracy between quantities applied for, and quantities taken

## **Administrative Responsibilities**

### **Material Estimates**

To date no quantitative surveys have been completed to determine potential volume of material by type so the estimates, of material available and required, could generate different estimates. It is estimated that the gravel needs required

to 2010 will exhaust what the current quarries are capable of producing by approximately 60%.

Material types generally are: pit run, sand, clay, shale, boulder of 300mm minus, 200mm minus, and 100mm minus, and fine 25mm minus.

At this time (summer / fall 2007) a major project, the sewage lagoon, is underway and requires a significant amount of granular material. Estimates at this time are approximately 350,000 cubic metres. As well the Nunavut Housing Corporation has an intensified program of housing delivery which requires gravel pads for housing placement. The pads required for these buildings create a demand estimate of 150,000 cubic metres by the year 2010. Additional municipal requirements for roads and road maintenance, airport, and miscellaneous (normal cycle) projects are estimated at 132,000 for 2007 to 2010.

Estimate of material required	Sewage Lagoon	NHC	Municipal	Annual Total
2006	50,000	20,000	33,000	103,000
2007	100,000	25,000	33,000	158,000
2008	200,000	25,000	33,000	258,000
2009		25,000	33,000	58,000
2010		25,000	33,000	58,000

Quarry administration evaluation will be determined by administration costs and development of quarries. If favourable conditions exist at the end of two years we will contract the services of an engineering firm to prepare a quarry assessment that will help guide The Hamlet in restoration, planning, and quarry closure for existing quarries. Engineering expertise will also determine development methods, locations and financing strategies of future quarry sites. Services required are expected to include quantity surveying, topographical study, drainage study, soil analysis, and future land use planning.

### **Safety Measures**

Safety will focus on the permit holder, transportation routes and access, and community members. Environmental surveillance relating to land sustainability will be an ongoing commitment of the Hamlet.

The Permit holder must conduct regular vehicle checks (example: tires, brakes and steering), verification of driver license class, and appropriate insurance coverage. Permit holder will be scrutinized for road safety and the adherence of applicable speed limits.

When the permit holder wishes to access a quarry on airport land, prior approval must be obtained from Nunavut Airports personnel . The permit holder must possess a valid Airside Vehicle Operators Permit, or be escorted by a valid AVOP holder, have an operational beacon light on the vehicle crossing airport land, and be in communication with the on duty Observer/Communicator.

The permit holder must be fully knowledgeable of acceptable methods for managing any fuel or oil spills as part of the permitting process. For example, spill kits must be ready available. The permit holder must indicate at the time of application if they plan to use explosives and if authorized by the quarrying permit, the permit holder must advise the Hamlet a minimum of 72 hours prior to the use of such explosives.

The permit holder will use standard quarrying methods to ensure consistent extraction. Quarry Sites will be subdivided and marked to identify the location of removal as identified in the permit.

The permit holder will adhere Quarry Permit Conditions in Appendix A.

Quarry boundaries as outlined on attached maps are understood to be the maximum area to be considered for quarrying however our intent is to stay within the boundaries by a 30m buffer and to guide quarrying in a rotational fashion within the quarry area. If the boundaries require expansion we will make application to the Commissioner to alter the boundaries of the quarry.

The Hamlet of Kugluktuk quarry boundaries will allow for future development within mapped boundaries, and will be identified on each permit using a map of an appropriate scale to show specific detail.

The permit holder is required to ensure their drivers are adequately qualified and vehicles and equipment are insured and a certificate of general liability is in place as part of the permitting process.

The permit holder is required to provide regular updates to the Hamlet with respect to type, quality and quantity of material removed. The permit holder must leave the quarry site in a safe and acceptable manner. At the end of the permit a letter of clearance will be issued by the Quarry Administrator or designate which will provide closure to the quarry permit.

The community will be consulted on a regular basis to provide input regarding safety, quarrying activity, equipment, wildlife and hours of operation.

QUARRY PERMIT CONDITIONS  
(\*) = mandatory condition  
[] = non-mandatory condition

LOCATIONAL SET-BACK

1.1 The Permittee shall ensure that the quarry location is in accordance with the approved site plan and that the quarry location is in accordance with the approved site plan.

1.2 The Permittee shall ensure that the quarry location is in accordance with the approved site plan and that the quarry location is in accordance with the approved site plan.

1.3 The Permittee shall ensure that the quarry location is in accordance with the approved site plan and that the quarry location is in accordance with the approved site plan.

**Appendix A**

**Quarry Permit Conditions**

1.4 The Permittee shall ensure that the quarry location is in accordance with the approved site plan and that the quarry location is in accordance with the approved site plan.

1.5 The Permittee shall ensure that the quarry location is in accordance with the approved site plan and that the quarry location is in accordance with the approved site plan.

1.6 The Permittee shall ensure that the quarry location is in accordance with the approved site plan and that the quarry location is in accordance with the approved site plan.

1.7 The Permittee shall ensure that the quarry location is in accordance with the approved site plan and that the quarry location is in accordance with the approved site plan.

1.8 The Permittee shall ensure that the quarry location is in accordance with the approved site plan and that the quarry location is in accordance with the approved site plan.

1.9 The Permittee shall ensure that the quarry location is in accordance with the approved site plan and that the quarry location is in accordance with the approved site plan.

## QUARRY PERMIT CONDITIONS

- ( \* ) = mandatory compliance condition  
( ) = non-mandatory compliance condition

### 1B01 - LOCATION AND AREA

- ( \* ) 1B02- The Permittee shall not conduct this quarry operation on any lands not designated in the accepted application, unless otherwise approved in writing by an authorized Departmental representative.
- ( ) 1B03- The Permittee shall remove from the Commissioner's Lands, all scrap metal, discarded machinery and parts, barrels and kegs, buildings and material.

### 1B04- TIME

- ( ) 1B05- The Permittee's Field Supervisor shall contact or meet with the authorized Departmental representative at least 48 hours prior to the commencement of this quarry operation.
- ( \* ) 1B06- The Permittee shall advise the authorized Departmental representative at least 10 days prior to the completion of the quarry operation of (a) his plans for removal or storage of equipment and materials, and (b) when final clean-up and restoration of the lands used will be completed.
- ( ) 1B07- The Permittee shall submit Quarry Return forms to the authorized Departmental representative by the 10th day of each month during this quarry operation.
- ( ) 1B08- The Permittee shall dispose of all brush and timber within \_\_\_\_\_ days following the completion of cutting.
- ( ) 1B09- The Permittee shall dispose of all brush and timber prior to removal of men or equipment from the quarry area.
- ( ) 1B10- The Permittee shall establish vegetation on all or parts of the land used, as may be directed by the authorized Departmental representative.
- ( \* ) 1B11- The Permittee shall complete all clean-up and restoration of the lands affected by this Quarry operation prior to the expiry date.

## QUARRY PERMIT CONDITIONS

( \* ) = mandatory compliance condition

( ) = non-mandatory compliance condition

- ( \* ) 1B12- The obligation of the Permittee with respect to clean-up and restoration of the area of quarrying does not cease until he is in possession of a letter of clearance from the Director, Lands Division, MACA.

### 1B13- EQUIPMENT

- ( \* ) 1B14 The Permittee shall keep all garbage and debris in a covered metal container until disposed of.

### 1B15- METHODS AND TECHNIQUES

- ( \* ) 1B16 The Permittee shall slope the sides of excavations and embankments except in solid rock to 2:1 (two horizontal to one vertical) unless otherwise approved in writing by the authorized Departmental representative.
- ( ) 1B17- The Permittee shall slope the sides of waste material piles to a gradient specified in writing by the authorized Departmental representative.
- ( \* ) 1B18- The Permittee shall leave a strip of undisturbed vegetation at least one hundred metres in width between clearing and public roads or navigable waterways unless otherwise approved in writing by the authorized Departmental representative.

### 2B01- CONTROL OR PREVENTION OF FLOODING, EROSION AND SUBSIDENCE OF LAND

The Permittee shall ensure that the quarry area is kept clean and tidy at all times.

- ( ) 2B03- The Permittee shall establish vegetation on all areas stripped of vegetation during this quarry operation unless otherwise approved in writing by the authorized Departmental representative.
- ( ) 2B04- The Permittee shall apply grass seed and fertilizer to areas designated in writing by the authorized Departmental representative.
- ( \* ) 2B05- The Permittee when clearing land shall:
- a) Save all vegetation removed from the quarry area.

## **QUARRY PERMIT CONDITIONS**

**( \* ) = mandatory compliance condition**

**( ) = non-mandatory compliance condition**

- b) Place the vegetation over the quarry area prior to the expiry of the quarry permit.
- ( \* ) 2B06- The Permittee shall save the organic soil stripped from the excavation area.
- ( \* ) 2B07- The Permittee shall place the organic soil over the disturbed area prior to the expiry date of this permit.
- ( \* ) 2B08- The Permittee shall adopt such measures to control erosion by surface disturbance as may be required by the Hamlet of Kugluktuk.

### **2B09- USE, STORAGE, HANDLING & DISPOSAL OF CHEMICALS OR TOXIC MATERIAL**

- ( ) 2B10- The Permittee shall dispose of all non-combustible garbage and debris by burial beneath no less than one (1) metre of compacted soil.
- ( \* ) 2B11- The Permittee shall dispose of all non-combustible garbage and debris from the quarry area to the metal dump disposal site.
- ( \* ) 2B12- The Permittee shall remove all garbage and debris from the area of the quarry operation to the waste dump disposal site.
- ( \* ) 2B13- The Permittee shall dispose of all combustible waste petroleum products by incineration or removal.
- ( \* ) 2B14- "The Permittee shall report all spills of chemicals or petroleum products immediately in accordance with instructions contained in "Spill Report" form NWT 1752-15/1285.

### **2B15- THE ESTABLISHMENT OF PETROLEUM FUEL STORAGE FACILITIES**

- ( \* ) 2B16- The Permittee shall report in writing to the authorized Departmental representative the location and quantity of all petroleum fuel caches within ten (10) days after the establishment of any such caches.
- ( \* ) 2B17- The Permittee shall not place any petroleum storage containers within twelve (12) metres of the normal high water mark of any stream.



## **QUARRY PERMIT CONDITIONS**

**( \* ) = mandatory compliance condition**

**( ) = non-mandatory compliance condition**

- ( \* ) 2B18- The Permittee shall not allow petroleum products to spread to surrounding land or into water bodies.
- ( \* ) 2B19- The Permittee shall:
  - a) examine all fuel storage containers for leaks a minimum of once every day.
  - b) repair all leaks immediately.
- ( \* ) 2B20- The Permittee shall not use bladders for storing petroleum products.
- ( \* ) 3B01- The Permittee shall seal all container outlets except the outlet currently in use.
- ( \* ) 3B02- The Permittee shall mark all fuel containers with the Permittee's name.

### **3B03- DEBRIS AND BRUSH DISPOSAL**

- ( ) 3B04- The Permittee shall dispose of all debris and brush by:
  - a) windrowing the debris and brush to the side of the quarry, and
  - b) making breaks in the windrows of at least seven (7) metres wide at intervals of not more than three hundred and thirty (330) metres.
- ( ) 3B05- The Permittee shall make the windrow of brush and debris lie flat and compact by:
  - a) bucking the material into suitable lengths and lopping the branches from the stems, and/or,
  - b) crushing with heavy machinery in order to compact the material.
- ( ) 3B06- The Permittee shall ensure the windrows are separated from standing timber.
- ( ) 3B07- The Permittee shall dispose of all debris and brush by running heavy machinery over the trees and brush until they are crushed to be flat on the ground.

## **QUARRY PERMIT CONDITIONS**

- ( \* ) = mandatory compliance condition**  
**( ) = non-mandatory compliance condition**

- ( ) 3B08- The Permittee shall clear and maintain a strip of land at least five (5) metres in width, clear of all flammable material, between windrows of debris and brush and the edge of undisturbed forest.
- ( ) 3B09- The Permittee shall spread all cut debris and brush over the area cleared, prior to completion of the operation or expiry of this quarry permit.
- ( ) 3B10- The Permittee shall salvage all portions of trees cleared that are larger than 5 inches in diameter.
- ( ) 3B11- The Permittee shall neatly pile all salvaged wood at locations specified in writing by the authorized Departmental representative.
- ( \* ) 3B12- The Permittee shall not clear any trees.

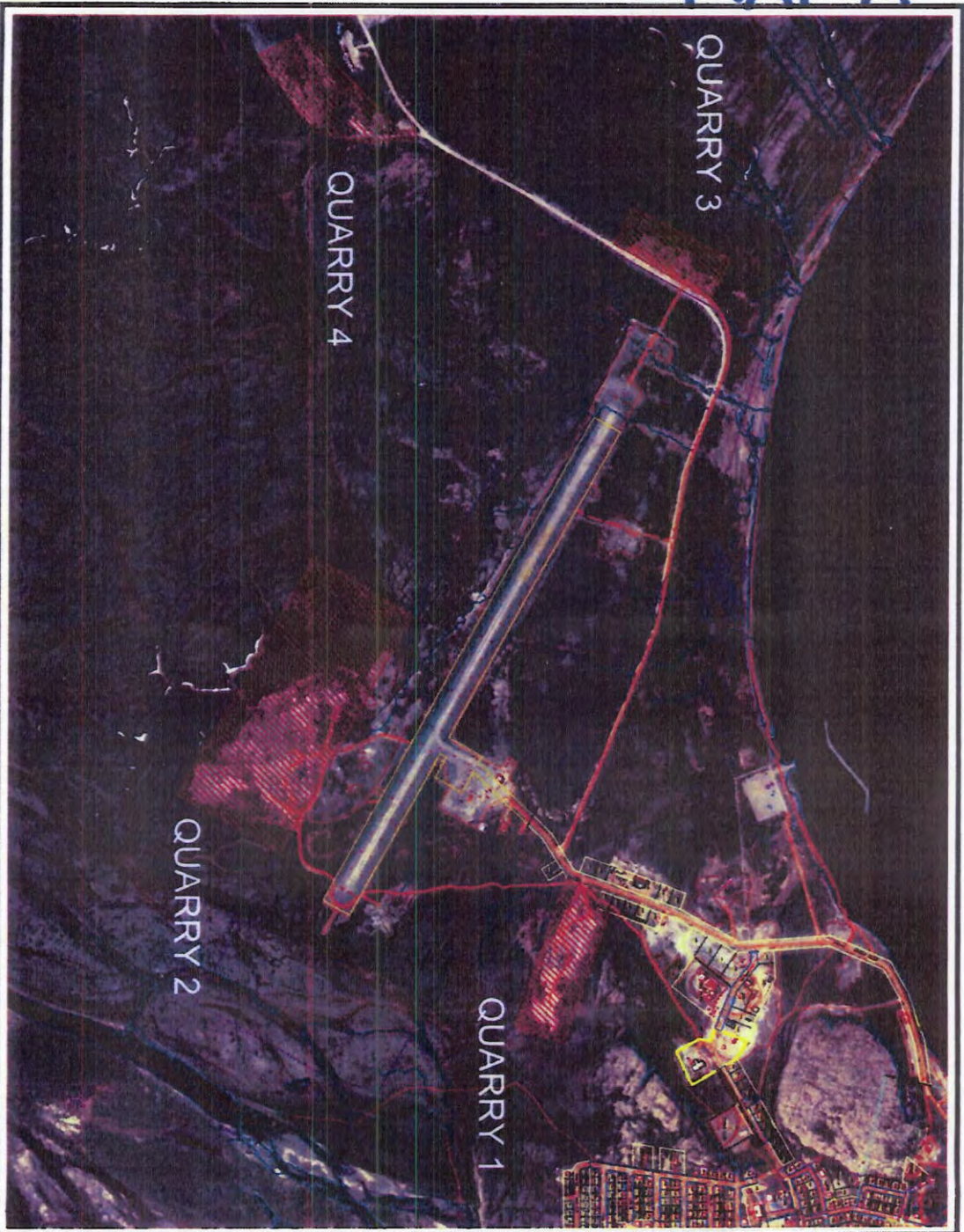
### **3B13- MATTERS NOT INCONSISTENT WITH THE REGULATIONS**

- ( \* ) 3B14- The Permittee shall not construct earth approaches abutted to the roadbed on any public highway or road without prior written approval of the Chief, Highways Division.
- ( \* ) 3B15- The Permittee shall not remove any material from below the ordinary high water mark of any stream without first obtaining permission from the Department of Indian & Northern Affairs.
- ( \* ) 3B16- The Permittee shall have a copy of this permit on the site of operation at all times.
- ( \* ) 3B17- The Permit shall provide to the authorized Departmental representative at least forty-eight (48) hours prior to commencement of this quarry operation the following information:
  - a) Person, or persons, in charge of the field operation to whom notices, order and reports may be served;
  - b) Alternatives;
  - c) All the indirect methods of contacting the above person(s).

## Appendix Two

### Location and Description of Quarries

MAP 'A'



MAP 'A'

Quarry 1 15: 420-SK-206  
 Quarry 2 15: 420-SK-207  
 Quarry 3 15: 420-SK-208  
 Quarry 4 15: 420-SK-209



KUGLUKTUK

CERTIFIED AS BEING ANNEXED HERETO AND  
 FORMING PART OF AGREEMENT  
 420-209 FOR DATE: OCT 22, 2007  
 COMMISSIONER OF NANAVUT  
 SCALE NTS

# MAP 'B'

GRAVEL QUARRY  
4 MILE BAY  
65°51'19"N  
115°17'52"W



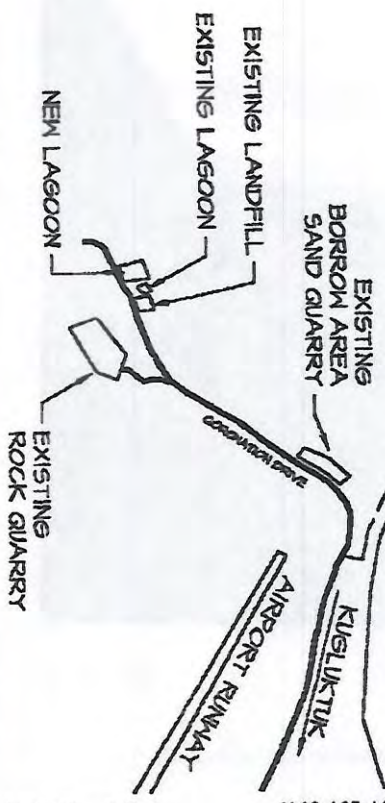
QUARRY #5  
SKETCH: 420-SK-210

# MAP 'B'

APPROXIMATE  
LOCATION  
WINTER ROAD

CORONATION GULF

SHORE LINE



Certified as being annexed hereto  
and forming part of agreement  
420-2007-01-01A  
Dated, OCT 22, 2007

COMMISSIONER OF NANAVUT



Box 53, G.P. 612 SSB  
83 Springhill Lane  
Wainwright, Alberta  
R40 2Z3  
Tel: (204) 258-7300  
Fax: (204) 258-3843

PROJECT TITLE  
**KUGLUKTUK  
LAGOON**

SHEET TITLE  
**SITE  
LAYOUT**

SCALE	NTS
DRAWN	AJR
DATE	09 OCT 07
TITLE NO	KS
DRAWING NO	SK 1

MAP 'B'

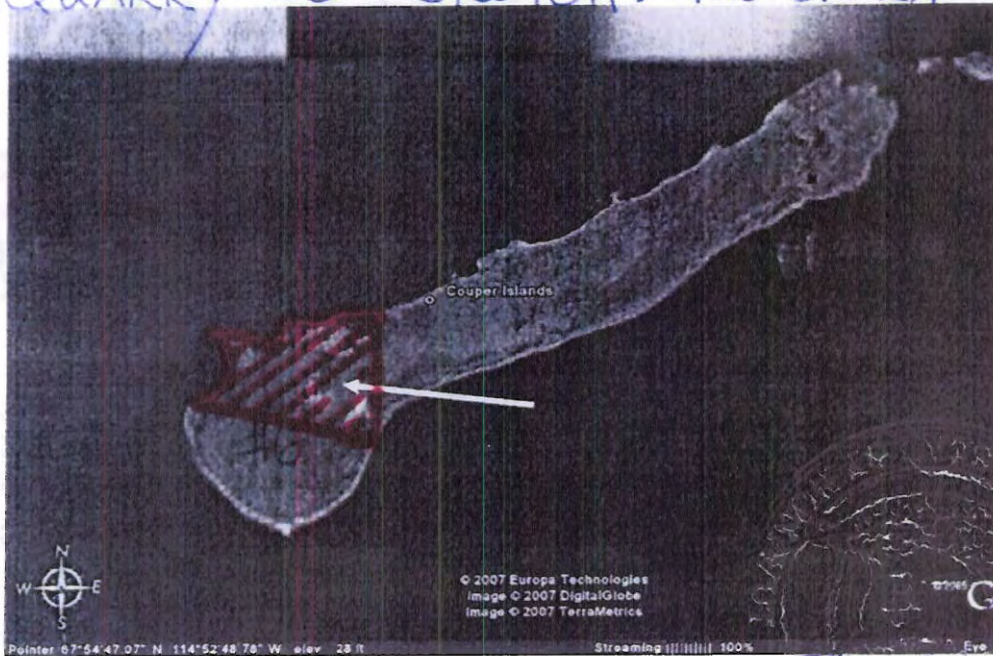
MAP'C'

I. Seven Mile Island

Location: 67° 54' 13" N, 114° 54' 40" W

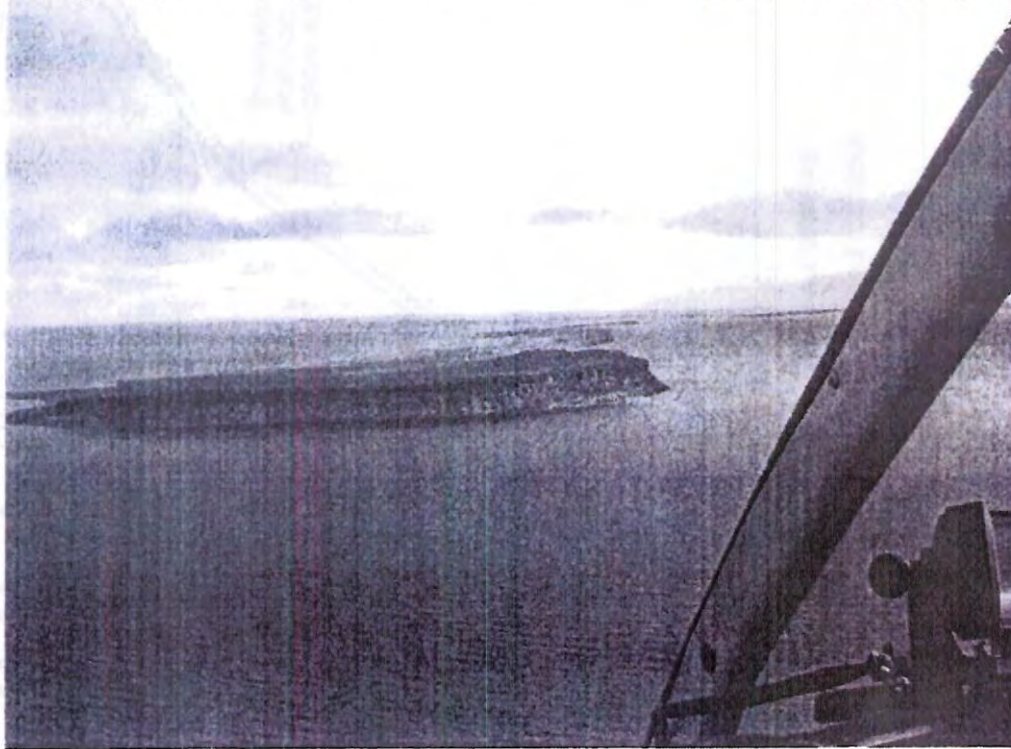
QUARRY #6

SKETCH: 420-SK-211



Helicopter trip on Saturday, Sept. 15, 2007

COMMISSIONER OF NUNAVUT



MAP C

TRIP REPORT: Thomas G. Livingston, P.Eng. Kitikmeot Regional Municipal Engineer, CGS

LAYOUT SITE  
MAP'C'