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April 29, 2010

Mr. Bas Cleary  
Director, Environmental Assessment Division  
Department of Environment and Conservation  
P.O. Box 8700  
St. John's NL  
A1B 4J6

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Re: Environmental Registration Ironstone River Aggregate Quarry, File 200.20.1722-

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Dear Mr. Cleary,

Please find enclosed 40 copies of our environmental registration form along with a cheque for the amount of \$226.00. Please contact me by cell, (709)-282-3764, or email at [rbemister@northlinks.ca](mailto:rbemister@northlinks.ca) should you have any questions or concerns.

Sincerely,

A handwritten signature in black ink, appearing to read 'Robert Bemister'.

Robert Bemister, P. Eng.  
General Manager  
North Links Construction Company Ltd.

Labrador City Office  
P.O. Box 391  
Labrador City, NL A2V 2K7  
Phone (709) 944-2995 Fax (709)944-5755

Goose Bay Office  
P.O. Box 1870, Station B  
Happy Valley – Goose Bay, NL A0P 1E0  
Phone (709) 896-8162 Fax (709) 896-5625



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## **Environmental Registration – File 200.20.1722**

**Name of Undertaking:** Ironstone River Aggregate Quarry

**Proponent:**

- i) Name: North Links Construction Company Ltd.
- ii) Address: P.O. Box 391, Labrador City, NL, A2V 2K7
- iii) CEO:
  - a. Name: Michael Mayhew, P. Eng.
  - b. Official Title: Vice President Newfoundland/Labrador & Mining Operations
  - c. Address: P.O. Box 391, Labrador City, NL, A2V 2K7
  - d. Telephone No: (709) 944-2995
- iv) Principal contact person for purposes of environmental assessment:
  - a. Name: Robert Bemister
  - b. Address: P.O. Box 391, Labrador City, NL A2V 2K7
  - c. Telephone No: (709) 944-2995

**The Undertaking:**

- i) Nature of the Undertaking: Aggregate Quarry (rock, sand, gravel)
- ii) Purpose of Undertaking: Supply of aggregates to Labrador City and surrounding area

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Phone (709) 896-8162 Fax (709) 896-5625

**Description of the Undertaking:**

- i) Geographical Location:
  - a. Distance from Trans Labrador Highway – Approximately 1 km
  - b. Coordinates: See attached coordinate sheet showing corners of proposed area
  - c. Maps Attached: One NAD27 topographic map showing proposed blocks A (4.6ha) & B (4.9ha) in relation to existing rail line and Rte 500. Also shows proximity to existing 4.9 hectare quarry permitted by Bloom Lake Railway Co. Ltd.
- ii) Physical Features:
  - a. The proposed quarry will not involve any permanent large structures to be placed onsite. Portable crushing spread would be placed on site periodically, including control room trailer and parts trailer. Possibility of portable washing and screening plant to be placed on site as well. There would be no bulk fuel stored on site. Existing access road through Bloom Lake Railway Company's current quarry provides access to new quarry area, no new access roads required.
  - b. The affected area of the undertaking would be approximately 9.5 hectares of land directly north of Bloom Lake Railway Company's currently permitted quarry (permit No. 120045) between Ironstone River and Bloom Lake, southwest of Labrador City.
  - c. Existing physical conditions on site are typical forest cover, mainly spruce and areas of scrub. Wildlife content is also typical for the region.
- iii) Construction:
  - a. No construction will be undertaken on site except the actual development of quarry and quarry face. No permanent structures will be erected onsite.
- iv) Operations:
  - a. The operation would consist of the drill and blasting, crushing, screening and possibly washing of aggregate with the purpose of supplying the local concrete/asphalt and aggregate market.
  - b. Period of Operation: Between May 1 – December 31, 2010.
  - c. There would be no pollutants as a result of this operation aside from typical exhaust fumes generated by the crushing operation.
- v) Occupations:
  - a. Number of employees: 4 heavy equipment operators during normal period of operation. Also supports secondary employment in form of truck drivers.
  - b. All four employees would be classified as heavy equipment operators (742) under NOC 2006 Matrix.
  - c. All operations related work would be carried out be direct hiring. Geotechnical testing work is subcontracted out to various consultant firms.



vi) Project Related Documents:

- a. See attached copies of Application for Quarry Permit's previously submitted to Department of Natural Resources.

**Approval of the Undertaking:**

- i) Quarry Permit – Issued by the Provincial Department of Natural Resources

**Schedule:**

- i) The project would be dependent on both weather and market conditions. Ideally the operation of the crushing operations in the quarry would run sometime between May and November of 2010. Anticipated total time for all work involved with aggregate production does not exceed 10 weeks. Hauling of stockpiled material from the quarry to various locations in Labrador West would occur over the entire year.

**Funding:**

- i) This project is funded entirely through internal resources. No outside funding is applicable.

Date

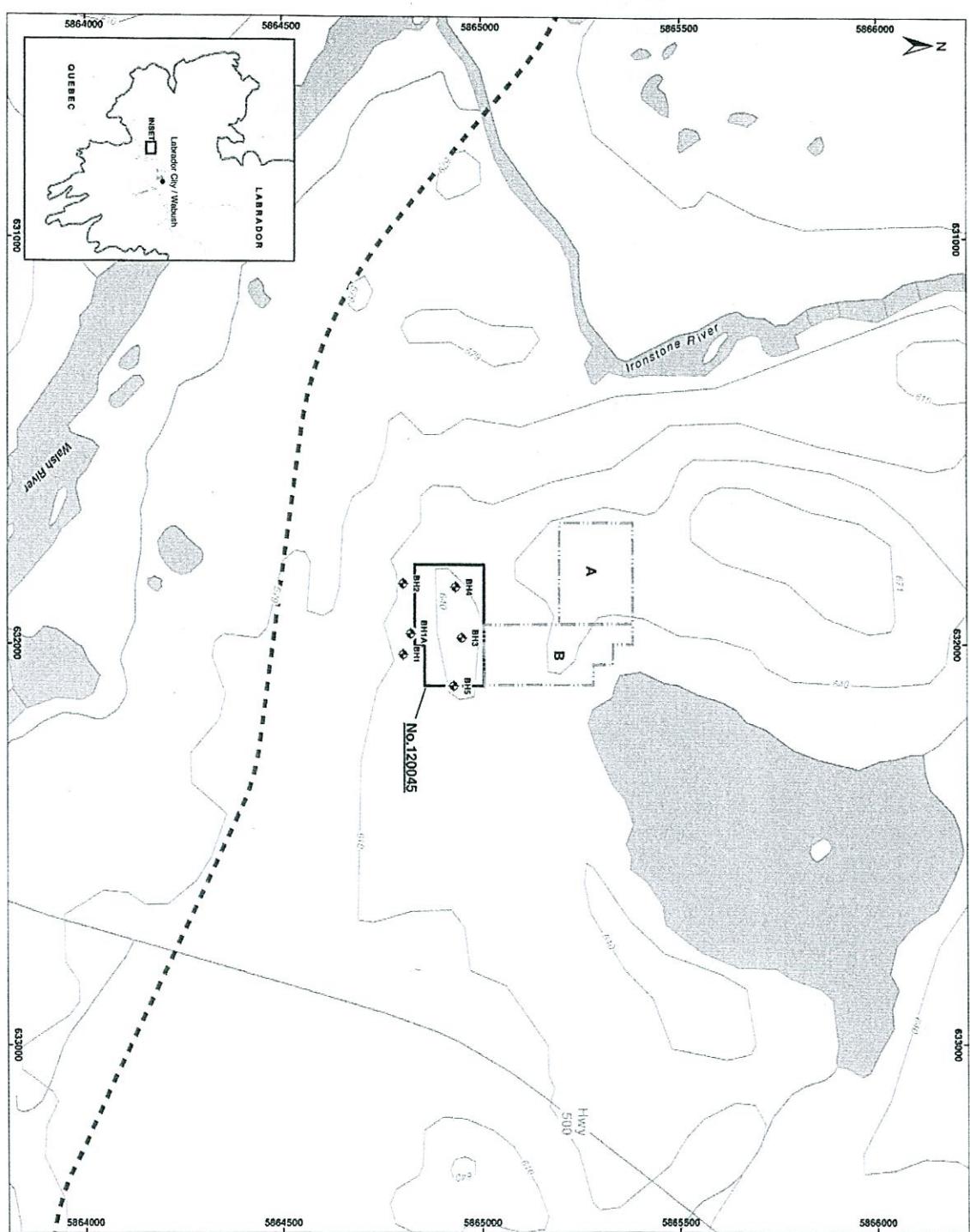
April 26, 2010

A handwritten signature in blue ink that appears to read 'Mike Mayhew'.

Michael Mayhew, P. Eng.  
Vice President Newfoundland/Labrador &  
Mining Operations

Labrador City Office  
P.O. Box 391  
Labrador City, NL A2V 2K7  
Phone (709) 944-2995 Fax (709)944-5755

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P.O. Box 1870, Station B  
Happy Valley – Goose Bay, NL A0P 1E0  
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 Proposed Quarry Permit Areas  
 RSM Mining Limited  
 Bloom Lake Railway Co. Ltd  
 Existing Quarry Permit No. 120045 (4.9 ha)  
 Existing Road  
 Proposed Bloom Lake Rail Line (Iteration 7a)

UTM Zone 19 MAD27  
 NTS Sheet 023B14 (Loc Viro)

0  
 150  
 300  
 Metres  
 1:10,000

**Proposed Quarry Permit Areas**

RSM Mining Limited  
Labrador City, NL

Stantec



Stantec

Proposed Quarry Permit Areas

Project:	Date:
120045	MAR 25, 2010
Owner:	EM
Editor:	EM
Revision:	0
Document No.:	123611596-05-E-01
Approved:	Permit Approved



**TABLE 1**  
**GEOTECHNICAL CONSULTATION - QUARRY PERMITTING**  
**RSM MINING LIMITED - LABRADOR CITY, NL**  
**PROJECT NO. 121611596**

Proposed Block	Corner	Easting	Northing
A	Commencing at the NE corner	631950	5865385
A	thence going South 185m to	631950	5865200
A	thence going West 250m to	631700	5865200
A	thence going North 185m to	631700	5865385
A	thence going East 250m to original starting point.	631950	5865385
B	Commencing at the NE corner	632105	5865285
B	thence going South 277m to	632105	5865008
B	thence going West 155m to	631950	5865008
B	thence going North 377m to	631950	5865385
B	thence going East 50m to	632000	5865385
B	thence going South 50m to	632000	5865335
B	thence going East 50m to	632050	5865335
B	thence going South 50m to	632050	5865285
B	thence going East 55m to original starting point.	632105	5865285

Datum - UTM Zone 19, NAD27



Government of Newfoundland and Labrador  
Department of Natural Resources  
Mines Branch, Mineral Lands Division

## APPLICATION FOR A QUARRY PERMIT

*- Proposed Block A*

*The information you are providing will only be used for the purpose for which it has been provided.*

Instructions:

- Please type or print clearly
- Mail completed form with rental fee and a site location map
- Use additional sheets if necessary

### GENERAL INFORMATION

All applications for regular quarry permits are referred to the appropriate government departments and municipal authorities, etc., for comment before a final decision is made regarding whether to issue a permit. This process normally takes two weeks.

In many cases, depending upon the location of a proposed quarry development, municipalities and departments other than the Department of Natural Resources have legislative control over certain aspects of the development. We endeavour to get approval from all other departments prior to issuing a permit. However, development permits from municipalities or certificates of approval or authorizations from other government departments may be necessary before quarrying or development of the quarry can start. The issuance of a permit from this department does not relieve the applicant of the obligation to obtain any other permits that may be required by law respecting a quarry development.

Quarry Permits are valid for a period not exceeding one year, and always expire on December 31 of the year issued. Normally quarry permits are issued for an area not exceeding 5 hectares. A rental fee of \$80.00/hectare must accompany the application. A royalty of 50 cents/cubic metre is payable within 60 days of the December 31 expiry date of this permit.

Completed Application Forms are to be mailed to:

Mineral Lands Division  
Department of Natural Resources  
P.O. Box 8700  
St. John's, NL  
A1B 4J6

Contacts:

Fred Kirby - (709)729-6447  
Joanne Janes - (709)729-4044  
Fax - (709)729-6782  
[fredkirby@gov.nl.ca](mailto:fredkirby@gov.nl.ca)  
[jjanes@gov.nl.ca](mailto:jjanes@gov.nl.ca)  
[www.nr.gov.nl.ca/mines&en/](http://www.nr.gov.nl.ca/mines&en/)

This application is to be accompanied by a 1:50,000 topographic map showing the location of the site being applied for. These maps are available at the Lands Branch, Department of Government Services, St. John's, Gander, Corner Brook and Goose Bay.

Application forms which are incomplete will cause delays in the processing procedure.

APPLICATION FOR A QUARRY PERMIT - *Proposed Block A*

I/We North Links Construction Company Ltd

Address Bruno Plaza, Suite 202 Lab City, NL Postal Code A2V 2K7

HEREBY APPLY FOR A QUARRY PERMIT for 5 hectares for 12 months under the terms and conditions of the *Quarry Materials Act, 1998, SNL1998*.

Have you had permits for this site before? No If yes, list permit numbers \_\_\_\_\_

If you are applying for a permit to the same area you held under permit last year complete this section only.

File # \_\_\_\_\_ Previous Permit # \_\_\_\_\_

I certify that there are no changes or modifications to the size, boundary or location of the existing quarry permit area, or to the method of removal or processing planned at the location.

**Note:** *If there are any changes to the size of the quarry, the method of removal or processing, a new application must be completed for the site.*

Date: \_\_\_\_\_ Name: \_\_\_\_\_  
Signature: \_\_\_\_\_  
Position: \_\_\_\_\_

Complete this section if the material is needed for a specific contract.

Agency awarding contract \_\_\_\_\_  
Address \_\_\_\_\_ Phone No. \_\_\_\_\_  
Contract No. \_\_\_\_\_ Tender closing date \_\_\_\_\_  
Anticipated starting date \_\_\_\_\_ Anticipated completion date \_\_\_\_\_  
Amount of material req'd: Class "A" \_\_\_\_\_ Class "B" \_\_\_\_\_  
Asphalt aggregate \_\_\_\_\_ Other (specify) \_\_\_\_\_

Proposed end use of material Construction Aggregates

Location of end use material Labrador West

FOR THE PURPOSE OF REMOVING:

- Sand
- Gravel
- Rock
- Borrow Material
- Fuel Peat
- Horticulture Peat
- Stockpiled Material
- Other (Specify) \_\_\_\_\_

THE QUARRY OPERATION WILL INVOLVE:

- Drilling and Blasting
- Ripping
- Crushing
- Screening
- Washing
- Use of Settling Ponds
- Pit run removal
- Asphalt Batch Plant
- Concrete Batch Plant
- Other (Specify) \_\_\_\_\_

Ownership of land to the best of your knowledge  Crown  Private

If Private, complete the following and attach a letter from the owner authorizing you to occupy the property for the purpose of removing quarry material; confirmation of title and ownership must be included.

Name of Owner \_\_\_\_\_  
Address \_\_\_\_\_

Phone No. \_\_\_\_\_

Form of Title

Crown Grant \_\_\_\_\_, Date Issued \_\_\_\_\_, Volume \_\_\_\_\_, Folio \_\_\_\_\_

Crown Lease \_\_\_\_\_, Date Issued \_\_\_\_\_, Number \_\_\_\_\_

Other (Specify) \_\_\_\_\_

At the time of application, the site being applied for must be clearly marked on the ground using 2 x 4 posts, with a company sign and flagging to mark the corners, and to outline the area.

Is the site visible from nearby highways or main roads? No

Is there an existing access to the quarry site? Yes

Describe the type of vegetation cover over the area to be quarried (forest, scrub, barren, etc.)

Forest

Describe marking if any in addition to the above required markings \_\_\_\_\_

Is the site being applied for an existing quarry? No If yes, what are the dimensions of the quarry?

Width \_\_\_\_\_ Length \_\_\_\_\_ Average height of quarry faces \_\_\_\_\_

Are there any structures (house, fence, pole line, etc.) within the boundaries of the quarry site? No

If yes, describe the structures and give their distance from the site. \_\_\_\_\_

Are there any brooks, rivers, ponds or streams within the boundaries of the quarry site? No

If yes, specify type of water body \_\_\_\_\_

Are there any brooks, rivers, ponds or streams within a 200 metre radius of the boundaries of the quarry site? Yes

If yes, specify type of water body and give its distance from the site Bloom Lake

50 meters distance from lake will be maintained

Is any of the land within a 300 metre radius of the boundaries of the quarry site being used? Yes

If yes, describe the land use and give the distance from the site Bloom Lake Railway

Company Ltd has an active quarry & crushing operation

Describe the location of the proposed Quarry with reference to the UTM grid (NAD 1927) on the 1:50,000 Topographic Map. Description must include NTS Map Sheet, zone and the co-ordinates. The UTM co-ordinate should be taken at the entrance to the quarry.

631950 E 5885200 N Zone 19 Map Sheet 023B14

Describe the location of the proposed Quarry with reference to nearby prominent landmarks (road intersections, bridges, etc.) to nearest tenth of a kilometre

Please see attached map & coordinate sheet showing proposed Block A

The information in this section can be completed by using a Global Positioning System. Inaccurate information will cause delays.

### SKETCH OF QUARRY SITE

In the space below, draw a sketch showing the boundaries and distance between corners of the site being applied for, outline of existing quarry if one exists, distances of all features within the quarry site and all features within a 300 metre radius of the boundaries of the quarry site. That is, the location of the features listed in Section 7 of this application. Also, show the proposed access to the site, the distance the quarry site is setback from the highways or main roads. The location where the UTM co-ordinates was taken should be shown.

Please see attached map  
showing proposed Block A

Sketch map can be a detailed survey of the area of the permit; location of the permit on a detailed cadastral or forest inventory map; or a detailed aerial photograph, can be used instead of a sketch to show the location and boundaries of the area being applied for, and features within 300 m.

I certify that the information contained in this application is correct.

Name: Gavin Isenor

Phone No. Business: 902-445-6001

Signature: Gavin Isenor

Fax No.: 902-443-8338

Position: Property Manager

E-mail Address: gisenor@dexter.ca

Date: March 26, 2010



Government of Newfoundland and Labrador  
Department of Natural Resources  
Mines Branch, Mineral Lands Division

## APPLICATION FOR A QUARRY PERMIT

*- Proposed Block B*

*The information you are providing will only be used for the purpose for which it has been provided.*

**Instructions:**

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- Use additional sheets if necessary

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	<a href="mailto:jjanes@gov.nl.ca">jjanes@gov.nl.ca</a>
	<a href="http://www.nr.gov.nl.ca/mines&amp;en/">www.nr.gov.nl.ca/mines&amp;en/</a>

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APPLICATION FOR A QUARRY PERMIT

I/We North Links Construction Company Ltd  
Address Bruno Plaza, Suite 202, Lab City, NL Postal Code A2V 2K7  
HEREBY APPLY FOR A QUARRY PERMIT for 5 hectares for 12 months under the terms and conditions  
of the *Quarry Materials Act, 1998, SNL1998.*

Have you had permits for this site before? No If yes, list permit numbers \_\_\_\_\_

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only .

File # \_\_\_\_\_ Previous Permit # \_\_\_\_\_

I certify that there are no changes or modifications to the size, boundary or location of the existing quarry  
permit area, or to the method of removal or processing planned at the location.

**Note:** *If there are any changes to the size of the quarry, the method of removal or processing, a new  
application must be completed for the site.*

Date: \_\_\_\_\_ Name: \_\_\_\_\_  
Signature: \_\_\_\_\_  
Position: \_\_\_\_\_

Complete this section if the material is needed for a specific contract.

Agency awarding contract \_\_\_\_\_  
Address \_\_\_\_\_ Phone No. \_\_\_\_\_  
Contract No. \_\_\_\_\_ Tender closing date \_\_\_\_\_  
Anticipated starting date \_\_\_\_\_ Anticipated completion date \_\_\_\_\_  
Amount of material req'd: Class "A" \_\_\_\_\_ Class "B" \_\_\_\_\_  
Asphalt aggregate \_\_\_\_\_ Other (specify) \_\_\_\_\_

Proposed end use of material Construction Aggregates  
Location of end use material Labrador West

FOR THE PURPOSE OF REMOVING:

- Sand
- Gravel
- Rock
- Borrow Material
- Fuel Peat
- Horticulture Peat
- Stockpiled Material
- Other (Specify) \_\_\_\_\_

THE QUARRY OPERATION WILL INVOLVE:

- Drilling and Blasting
- Ripping
- Crushing
- Screening
- Washing
- Use of Settling Ponds
- Pit run removal
- Asphalt Batch Plant
- Concrete Batch Plant
- Other (Specify) \_\_\_\_\_

Ownership of land to the best of your knowledge  Crown  Private

If Private, complete the following and attach a letter from the owner authorizing you to occupy the property for the purpose of removing quarry material; confirmation of title and ownership must be included.

Name of Owner \_\_\_\_\_  
Address \_\_\_\_\_ Phone No. \_\_\_\_\_

Form of Title  
Crown Grant \_\_\_\_\_, Date Issued \_\_\_\_\_, Volume \_\_\_\_\_, Folio \_\_\_\_\_  
Crown Lease \_\_\_\_\_, Date Issued \_\_\_\_\_, Number \_\_\_\_\_  
Other (Specify) \_\_\_\_\_  
\_\_\_\_\_

At the time of application, the site being applied for must be clearly marked on the ground using 2 x 4 posts, with a company sign and flagging to mark the corners, and to outline the area.

Is the site visible from nearby highways or main roads? No  
Is there an existing access to the quarry site? Yes  
Describe the type of vegetation cover over the area to be quarried (forest, scrub, barren, etc.)  
Forest  
Describe marking if any in addition to the above required markings \_\_\_\_\_  
\_\_\_\_\_

Is the site being applied for an existing quarry? No If yes, what are the dimensions of the quarry?  
Width \_\_\_\_\_ Length \_\_\_\_\_ Average height of quarry faces \_\_\_\_\_  
Are there any structures (house, fence, pole line, etc.) within the boundaries of the quarry site? No  
If yes, describe the structures and give their distance from the site. \_\_\_\_\_

Are there any brooks, rivers, ponds or streams within the boundaries of the quarry site? No  
If yes, specify type of water body \_\_\_\_\_

Are there any brooks, rivers, ponds or streams within a 200 metre radius of the boundaries of the quarry site? Yes  
If yes, specify type of water body and give its distance from the site Bloom Lake  
50 meters distance from lake will be maintained  
Is any of the land within a 300 metre radius of the boundaries of the quarry site being used? Yes  
If yes, describe the land use and give the distance from the site Bloom Lake Railway  
Company Ltd has an active quarry & crushing operation

Describe the location of the proposed Quarry with reference to the UTM grid (NAD 1927) on the 1:50,000 Topographic Map. Description must include NTS Map Sheet, zone and the co-ordinates. The UTM co-ordinate should be taken at the entrance to the quarry.

632105 E 5855008 N Zone 19 Map Sheet 023B14

Describe the location of the proposed Quarry with reference to nearby prominent landmarks (road intersections, bridges, etc.) to nearest tenth of a kilometre  
Please see attached Map & coordinate sheet  
showing Prepared Block B

The information in this section can be completed by using a Global Positioning System. Inaccurate information will cause delays.

### SKETCH OF QUARRY SITE

In the space below, draw a sketch showing the boundaries and distance between corners of the site being applied for, outline of existing quarry if one exists, distances of all features within the quarry site and all features within a 300 metre radius of the boundaries of the quarry site. That is, the location of the features listed in Section 7 of this application. Also, show the proposed access to the site, the distance the quarry site is setback from the highways or main roads. The location where the UTM co-ordinates was taken should be shown.

Please see attached map showing  
Proposed Block B

Sketch map can be a detailed survey of the area of the permit; location of the permit on a detailed cadastral or forest inventory map; or a detailed aerial photograph, can be used instead of a sketch to show the location and boundaries of the area being applied for, and features within 300 m.

I certify that the information contained in this application is correct.

Name: Gavin Isenor

Phone No. Business: 902-445-6001

Signature: Gavin Isenor

Fax No.: 902-443-8338

Position: Property Manager

E-mail Address: gisenor@dexter.ca

Date: March 26, 2010



NORTH LINKS

CONSTRUCTION

COMPANY LIMITED

PO BOX 1870, STATION B  
 HAPPY VALLEY - GOOSE BAY, NL AOP 1E0  
 (709) 896-8162 FAX (709) 896-5625

RBC ROYAL BANK  
 HAPPY VALLEY BRANCH  
 36 GRENfell STREET  
 HAPPY VALLEY, NL AOP 1E0

4047

U004047

DATE

0 4 2 6 2 0 1 0

M M D D Y Y Y Y

PAY TWO HUNDRED TWENTY-SIX... 00/100 Dollars

\$ \*\*\*\*\*226.00

TO  
 THE  
 ORDER  
 OF  
 NEWFOUNDLAND EXCHEQUER  
 CENTRAL CASHIERS OFFICE  
 P.O. BOX 8700  
 ST. JOHN'S NL A1B 4J6



NORTH LINKS CONSTRUCTION

PER

PER

10040471098010031 10066911

NORTH LINKS CONSTRUCTION

CHEQUE

4047

NLN24 NEWFOUNDLAND EXCHEQUER

Apr 26/2010

U004047

<u>Document</u>	<u>Date</u>	<u>Description</u>	<u>Amount</u>	<u>Discount</u>	<u>Paid</u>
20100426	Apr 26/2010		226.00	0.00	226.00
			226.00	0.00	226.00