

Environmental Assessment

Registration Document

Horse Chops, Birchy Bay, NL

Prepared for:

L & E Trucking and Excavation LTD.

Environmental Assessment File Number. 200.20.2337

Existing Quarry File Reference Numbers: 7117884 & 7118077

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1. NAME OF UNDERTAKING

Horse Chops Quarry, Birchy Bay, NL. (Government of Newfoundland and Labrador, Dept. of Natural Resources File No. 200.20.2337)

2. PROPONENT

Name of Corporate Body

L & E Trucking and Excavation LTD.

Address

20 Main Street
Stoneville, NL
A0G 4C0

Chief Executive Officer

Mr. Leon Hodder
President
General Delivery
Stoneville, NL
A0G 4C0

Principle Contact Person

Mr. Leon Hodder
President
General Delivery
Stoneville, NL
A0G 4C0

3. THE UNDERTAKING

Nature of the Undertaking

This proposed project involves the development of a 10 hectare gravel and sand pit located adjacent to the existing L & E Trucking and Excavation LTD pit for the use of gravel and sand for various locations in Central, NL.

Purpose/Need for the Undertaking

The purpose of this project is to remove gravel and sand for future use as various projects in Central, NL.

4. DESCRIPTION OF THE UNDERTAKING

Geographic Location

The proposed project is located approximately 2.5 km on Horse Chops Resource Road. The Quarry is located on the Map attached.

Physical Features

Project Site Description

The gravel and sand pit will be the primary feature associated with this pit. There will not be any work camps or associated buildings on this site. This site will be accessed by the road presently used in the adjacent quarry operated by L & E Trucking and Excavation LTD.

The Present Environment

The proposed 10 hectare quarry is located in an existing quarry area in Central, NL. The site is dominated by low spruce and fir shrubs. The wildlife that can be found in this area includes bears, moose and snowshoe hares.

CONSTRUCTION

The construction phase of this site development will primarily consist of:

- Clearing and grubbing
- Pit development and associated control measures

Site Access

Site access will be via the adjacent quarry pit operated by L&E Trucking and Excavation LTD. There will be no new access road construction needed.

Clearing and Grubbing

Grubbed overburden material will be separated and stockpiled for future site remediation.

POTENTIAL SOURCES OF POLLUTION DURING CONSTRUCTION

The construction phase of this development will involve overburden clearing via use of heavy equipment. Potential sources of pollution include noise, waste, air emissions and hydrocarbon release from heavy equipment.

Air/Noise Pollution

There exists the potential for an increase in dust creation and noise emission. As with the existing pit, both potential pollution events are kept minimal with the proper use of mitigating measures such as:

- Machinery will be properly muffled
- Machinery will comply with all provincial and municipal noise bylaws
- Machinery will have appropriate emission control mechanisms
- Machinery will only travel on approved roads within the pit boundary
- Construction will be done during daylight hours to limit impact upon any nearby wildlife and residents of Birchy Bay.
- Water applications will be used, if required, to limit dust.

Domestic Wastes

The potential impact upon the immediate environment will be kept to a minimum via adhering to the Newfoundland and Labrador Waste Management Regulations. Sewage facilities will not be located at this quarry site.

Hydrocarbon Release

Pit activities could possibly result in the accidental spilling of hydrocarbons such as diesel fuel, engine oil, and hydraulic fluid. To reduce the likelihood and subsequent impact if a spill did occur, the following measures will be in effect:

- Emergency spill kits will be onsite at all times
- No hazardous or petroleum products will be stored onsite
- Servicing of machinery will be done offsite and at appropriate locations
- All employees will receive spill response training prior to operations

OPERATION

This pit operation will utilize standard excavation methods collect the materials needed by L&E Trucking and Excavation LTD. Operations within the pit will include the excavation and loading of materials, screening and as well as the transportation of the materials to and from the screener.

Typical equipment found in gravel, and sand quarries include:

- Dump trucks
- Front-end loaders
- Excavators
- Screener plant

POTENTIAL SOURCES OF POLLUTION DURING OPERATION

The potential sources of pollution during operating activities are similar to those during the construction phase. They include air, noise, domestic waste and hydrocarbon release.

Air/Noise Pollution

There exists the potential for an increase in dust creation and noise emission. As with the existing pit, both potential pollution events are kept minimal with the proper use of mitigating measures such as:

- Machinery will be properly muffled
- Machinery will comply with all provincial and municipal noise bylaws
- Machinery will have appropriate emission control mechanisms
- Machinery will only travel on approved roads within the pit boundary
- Construction will be done during daylight hours to limit impact upon any nearby wildlife and residents of Birchy Bay.
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Domestic Wastes

The potential impact upon the immediate environment will be kept to a minimum via adhering to the Newfoundland and Labrador Waste Management Regulations. Sewage facilities will not be located at this quarry site.

Hydrocarbon Release

Pit operations could possibly result in the accidental spilling of hydrocarbons such as diesel fuel, engine oil, and hydraulic fluid. To reduce the likelihood and subsequent impact if a spill did occur, the following measures will be in effect:

- Emergency spill kits will be onsite at all times
- No hazardous or petroleum products will be stored onsite
- Servicing of machinery will be done offsite and at appropriate locations
- All employees will receive spill response training prior to operations

POTENTIAL RESOURCE CONFLICTS DURING OPERATION

The proposed quarry site is adjacent to existing pit areas of Horsechops Resource Access road, used by L&E Trucking and Excavation LTD. Environmental protection measures will include:

- No storing of fuel on site
- No sewage disposal system on site
- Waste materials will be removed daily
- Erosion prevention will be enabled by only clearing the land as needed/the pit is expanded

- Spill kits will be present and maintained by staff
- Spill response training will be provided for staff working on site

OCCUPATIONS

Site construction and operation will involve the following occupations as classified by the National Occupational Code (NOC) 2011.

Construction Phase

Three Heavy equipment operators (NOC 7521) for a period of 2 weeks.

Operation Phase

The operation of the quarry will be carried out by three heavy equipment operators (NOC 7521) for a period of 10 weeks.

PROJECT-RELATED DOCUMENTS

There are no project related documents associated with this registration.

5. APPROVAL OF THE UNDERTAKING

The following permits will/may be required in order for this project to proceed:

- Quarry Materials Act and Quarry Minerals Regulations': Quarry Permit/Lease, Provincial Government
- Environmental Protection Act/Assessment Regulations: Permit to Proceed, Provincial Government

6. SCHEDULE

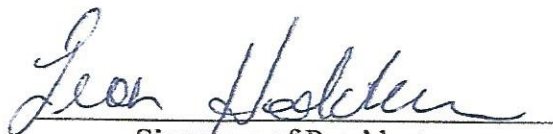
Document Submission/Registration	February 2015
Government Review/Decision	April 2015
Pit Construction/Operation	May 2015

7. FUNDING

Funding for this project will be provided solely by L&E Trucking and Excavation LTD.

8. SUBMISSION

Leon Hodder
President
L&E Trucking and Excavation LTD.


Signature of President
February 13, 2015

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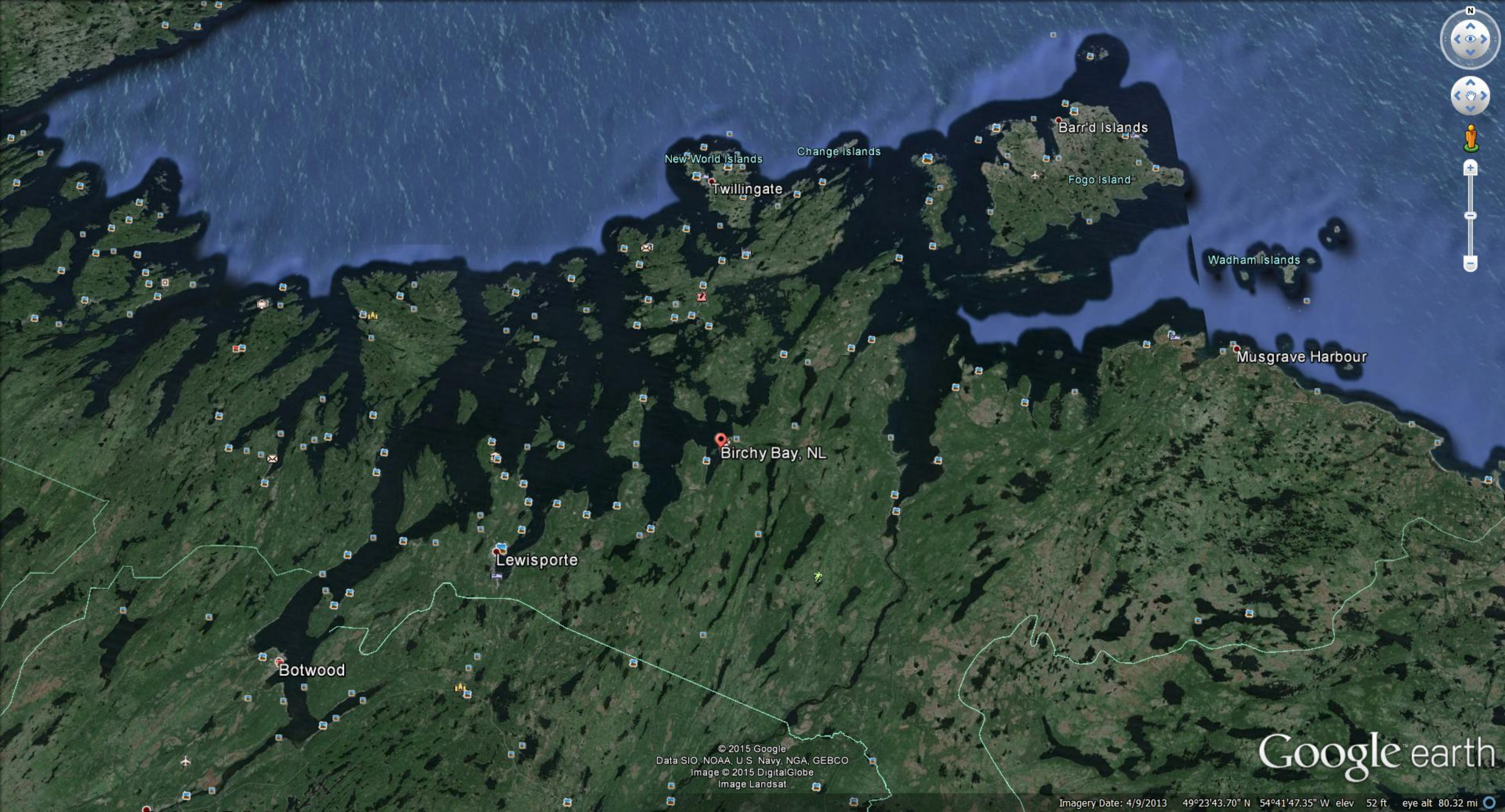
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49°20'50.05" N 54°42'13.38" W elev 40 m eye alt 1.42 km

Google earth

2006





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Data SIO, NOAA, U.S. Navy, NGA, GEBCO
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Image Landsat

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Imagery Date: 4/9/2013 49°23'43.70" N 54°41'47.35" W elev 52 ft eye alt 80.32 mi



Birchy Bay Birchy Bay, NL

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Imagery Date: 11/22/2006 49°20'46.52" N 54°42'29.91" W elev 95 ft eye alt 17135 ft