



**Nortech Construction Company Limited**

446 Newfoundland Drive, Suite 200

St. John's, NL A1A 4G7

Tel. (709) 754-1150 Fax (709) 754-0075

February 2, 2017

Minister of Environment  
And Conservation  
P.O. Box 8700  
St. John's, NL A1B 4J6

Attn: Director of Environmental Assessments

Dear Sir/Madam,

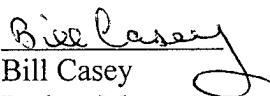
Nortech Construction is proposing to operate a new quarry in the Marystown area that conforms to the existing usage of the surrounding properties.

This quarry would be operated in conjunction with the ongoing operations of Provincial Paving Limited which operates an existing quarry in this area. These two quarries would be joined together and have a common boundary and would not affect the land usage that presently exists.

The production of rock based granular materials would be produced and processed on this site under the conditions of existing quarry permits and asphalt plant permits. The proposed quarry site is not changing the existing usage of the area, it is extending the life of the existing quarry for future years.

This quarry will have very little impact on the existing area as opposed to opening up a new quarry in a new area.

Regards,

  
Bill Casey  
Project Manager

**Name of Undertaking:**

Nortech Construction Quarry  
1.5km North of Route 210 along Forest Access Road

**Proponent:**

- (i) Nortech Construction is the corporation that is preparing this Environment Assessment
- (ii) The address for Nortech Construction is:  
446 Newfoundland Drive  
St. John's, NL A1A 4G7
- (iii) Chief Executive Officer:  
Leon House, CEO  
446 Newfoundland Drive, St. John's, NL A1A 4G7  
(P) 709-754-0077 (C) 709-685-9618
- (iv) Contact person for Environment Assessment  
Bill Casey, Project Manager  
446 Newfoundland Drive, St. John's, NL A1A 4G7  
(P) 709-754-0077 (C) 709-685-1538

## **File #71111398**

### **THE UNDERTAKING**

#### **I. Name of Undertaking**

Nortech Construction Quarry  
1.5 KM N of R210 along Forest Access Road

#### **II. Purpose/Rational/Need for the Undertaking**

This Quarry will be used for Nortech Construction's future requirements for blasted rock, granular material, and asphalt aggregates for projects on the Burin Peninsula and surrounding areas for many years to come.

The Quarry will be developed in stages that will consist of drill and blasting, crushing, stock piling and end uses as class A, B, or asphalt.

These stages will be developed as needed depending on how much granular material would be needed in any given year. This would be one or two blasts per construction season.

The material from this quarry site would provide Nortech Construction with a base to work from for many projects and many years in the future. This source of material is the quality of rock that is needed for asphalt aggregates and is located in a good area to operate from.

### **DESCRIPTION OF THE UNDERTAKING**

#### **I. Geographical Location**

This Quarry site is located off Route 210 Creston North 1.5km along the Forest Access Road adjoining the North East boundary of Provincial Paving's Quarry Lease #118057 (File #7114721)

#### **II. Physical Features**

This Quarry is bounded by other quarries to the North, South, and East. The only road way is the Forest Access Road which provides access to all quarries in the area. There are no buildings, structures, power lines or pipe line in the surrounding area. The size of this quarry would be five (5) hectares as outlined in sketch #1.

The physical and biological environments that would be affected by this project are very minimal. There are no ponds or rivers in the area and very little vegetation, only a small amount of shrub on the rock.

### **III. Construction**

### **IV. Operation**

This site will operate as a quarry producing material for all aspects of civil construction that are rock based. The time frame of operation for this site would be from April to December, with very limited winter operations.

The potential pollutants during the construction season would be dust and fuel. These pollutants can be minimized by use of dust suppression on the crusher and double walled fuel tanks which are inspected by government officials.

There are no resource conflicts on site.

### **V. Occupations**

When this site is in full operation between the crushing, trucking, asphalt processing, and handling of the material, this site would have about 20-30 people employed at peak times. These jobs would be 6-8 months in duration and could last for the next 20 years approximately.

The workforce at this quarry site will be paid a competitive wage package in line with the industry prevailing rates. Some employees will be paid based on union rates as per ongoing union contracts in place for Provincial Paving Limited, with the Operating Engineers Local 904 and the International Labour Union Local 1208. Provincial Paving will be performing the crushing and the asphalt production at this site for Nortech Construction. The only other sub-contractor that would be contracted to do work on this site would be a drilling and blasting contractor. Nortech Construction is an equal opportunity employer who doesn't discriminate against age, gender, or race. Nortech Construction does require that employees be trained and qualified along with physically fit to perform the job requirements.

**PROJECT RELATED DOCUMENTS:**

The area surrounding this quarry site consists of mainly existing quarries operating on a daily basis. Nortech's quarry will not require any new access as it will use the existing access to Provincial Paving's quarry lease. Nortech Construction and Provincial Paving will work in conjunction on this site. There have been many inspections carried out on this site over the years by Mines & Energy and Government Services NL. Every year for the past 10 years there has been an Asphalt Plant Permit issued for this site with very strict environmental conditions attached. See attached per for 2016.

**APPROVAL OF THE UNDERTAKING:**

This application has been referred to the required authorities by the Department of Natural Resources. The only response that we have received has been approval from the Town of Marystown. Attached is the Referral Notice and Notice of Approval from the Town of Marystown.

**SCHEDULE:**

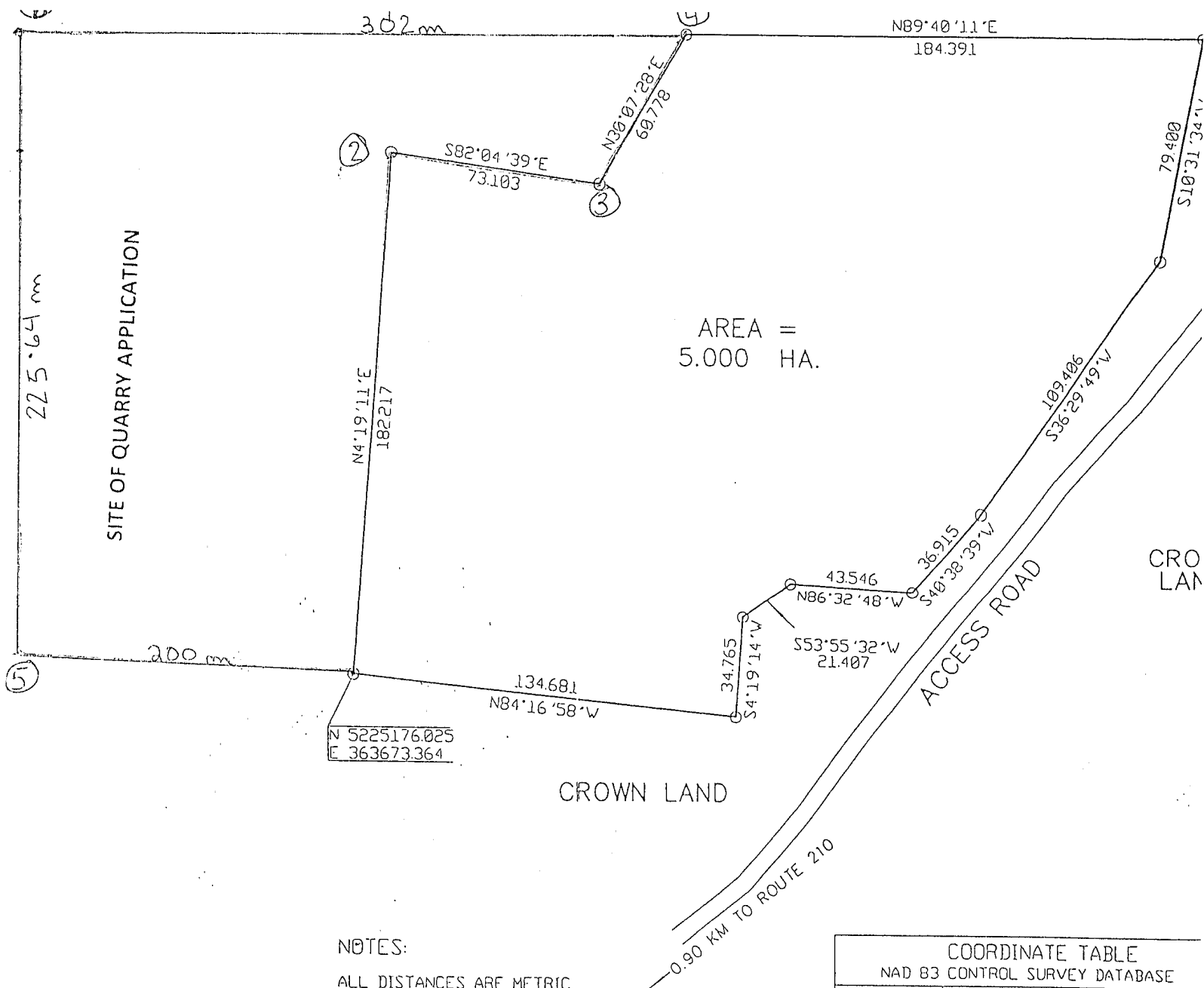
This quarry will be ready to start developing as soon as the approval is granted. The site would be developed early in the 2017 construction season in conjunction with operations ongoing with Provincial Paving's quarry operations.

**FUNDING:**

There are no grants, liens or capital funding required for this undertaking. Capital costs will be below \$15,000,000.00 so no cost recovery fee will apply.

## **APPENDIX 1**

- i. Sketch of proposed quarry in relation to existing quarry of Provincial Paving Limited
- ii. Quarry Permit Application Referral Notice
- iii. Approval letter from the Town of Marystown
- iv. Five year development plan sent to Town of Marystown
- v. Quarry Lease that is in place for property with common boundary operated by Provincial Paving Limited
- vi. Asphalt Plant Permit for year 2016 for this area
- vii. Aerial photograph of surrounding quarries and land use



# NOTES:

ALL DISTANCES ARE METRIC

-----x----- FENCE

○ CAPPED IRON BAR

Fd. EXISTING IRON BAR

○ IRON BAR

Mineral Lands Division

File Reference: 71111398  
May-2-2016

Nortech Construction Company Limited  
446 Newfoundland Drive  
St. John's, NL  
A1A 4G7

Attention: Mr. Bill Casey

Dear Sir/Madam,

**QUARRY PERMIT APPLICATION REFERRAL NOTICE**

This will acknowledge receipt of your application for a quarry permit with respect to the land situated at 1.5km N of R210 along FAR.


Your application is being processed and has been referred to the following authorities:

Works, Services and Transportation - Clarenville	Resources
Historic Resources	Environmental Assessment Division
Government Service Centre - Clarenville	Dept of Municipal & Prov Affairs - Prov. Planning
Water Resources Division - St. John's	Dept Tourism, Culture & Recreation (Eastern)
Crown Lands - Clarenville	The Town of Marystown
Inland Fish & Wildlife Division, Dept of Environment & Conservation	Dept of Natural Resources, Andrea Devereaux
Forestry - Unit 2, 3 - Clarenville, Dept Natural	

In order to assist the above authorities in evaluating your application, it is necessary that you mark the corners and boundaries of the site being applied for. It is suggested you use flagging and post a sign(s) stating, "Site of Quarry Permit application."

The markings are to be removed if the application is not approved. You should hear further in the matter in about 30 days.

Yours truly,



Gerald Kennedy  
Manager, Quarry Materials

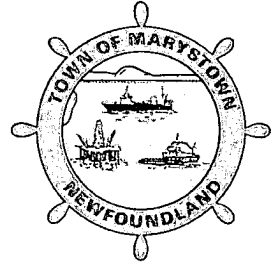




# Town of Marystown

P. O. Box 1118  
Marystown, NL  
A0E 2M0

Telephone (709) 279-1661 Fax. (709) 279-2862  
www.townofmarystown.ca info@townofmarystown.ca



RECEIVED  
JUN 6 2016

May 25, 2016

## Council

Mayor  
Sam Synard

Deputy Mayor  
Al Spencer

Councillors  
Mary Beth Farrell  
Ruby Hoskins  
Darlene LaFosse-Blagdon  
Leonard Pittman  
Lisa Slaney

Nortech Construction  
446 Newfoundland Drive  
St. John's, NL  
A1A 4G7

Development Regulations and/or Building Regulations

## Notice of Approval of Application # N-16-002

Dear Sir:

## Staff

Chief Administrative Officer  
Dennis Kelly

Deputy Clerk  
Mike Walsh

Director of Recreation and  
Community Services  
Robert Warr

Director of Planning and  
Development Control  
Alje Mitchell

Director of Finance and  
Administration  
Barb Walsh

Director of Operations  
and Public Works  
Ben Letemplier

The Town Council of Marystown, in a meeting held on May 17/16, approved your Quarry Referral dated May 02/16, from the Department of Natural Resources for a gravel, rock sand and stockpiled material quarry located 2km Northwest of Creston North, Marystown, NL.

The application has been approved subject to the following conditions listed below:

- Updated Five year development plan

Please provide these documents to the Town office at your earliest convenience.

Any queries, appeals or requests for clarification from this approval should be addressed to the undersigned at the Council Office and should quote the application number.

Yours truly,



Alje Mitchell  
Director of Planning & Development



**Nortech Construction Company Limited**

446 Newfoundland Drive, Suite 200

St. John's, NL A1A 4G7

Tel. (709) 754-1150 Fax (709) 754-0075

January 27, 2017

Town of Marystown

P.O. Box 118

Marystown, NL A0E 2M0

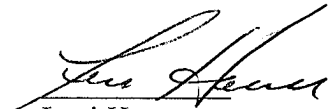
**Attn: Mr. Alje Mitchell**

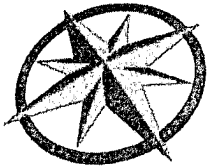
**Director of Planning & Development**

Dear Sir,

Attached is a five year development plan for Quarry Application #N-16-002 as per your correspondence dated May 25, 2016.

The end-use of material from this quarry is to supply asphalt aggregates to Provincial Paving Limited and granulars and rockfills for work on the Burin Peninsula.

  
Levi House



## **Nortech Construction Company Limited**

446 Newfoundland Drive, Suite 200

St. John's, NL A1A 4G7

Tel. (709) 754-1150 Fax (709) 754-0075

### **ATTACHMENT**

January 27, 2017

#### **Development Plan 2017 – 2021**

Nortech Construction Quarry

1.5km North of Route 210 along Forest Access Road

##### **Year 1 – 2017**

The section numbered 1 will be drilled, blasted and processed to allow the permanent set-up of a crushing unit. When the area is mucked totally and section number 2 is shot, a crusher unit will be set up and will not have to be moved for drilling and blasting of the other area.

##### **Year 2 – 2018**

The section numbered 2 will be drilled and blasted and partially mucked to allow a fixed crushing unit to be installed.

##### **Year 3 – 2019**

The section numbered 2 and the section numbered 3 will be developed and section 3 will be blasted in a northerly direction to keep fly rock away from the fixed unit.

##### **Year 4 – 2020**

The section number 4 will be drilled and blasted in a northerly directly to control fly rock.

##### **Year 5 – 2021**

The section number 5 will be drilled and blasted in an easterly direction to control fly rock. All buffers from the previous four years will be mucked and processed.

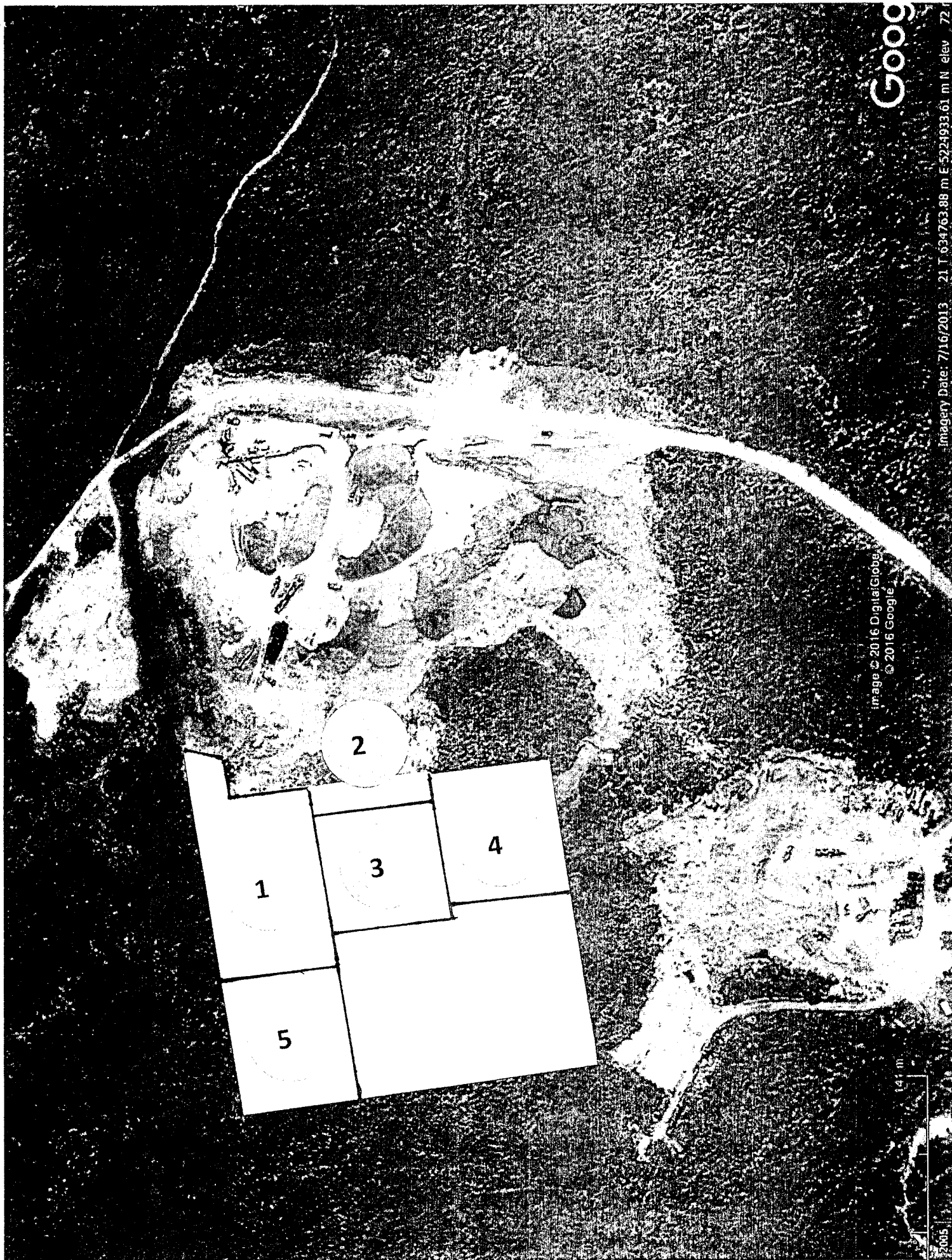


image © 2016 DigitalGlobe  
© 2016 Google

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Government of Newfoundland and Labrador  
Department of Natural Resources  
Mineral Lands Division

File: 711:4721

March 10, 2009

Provincial Paving Ltd.  
446 Newfoundland Dr.  
St. John's, NL  
A1A 4G7

Dear Mr. House:

Enclosed herewith is duly executed Quarry Lease Number 118057 with respect to land situate at 1.5 km north of Route 21, Creston North.

Please note that the Lease expires on 2019-01-01.

Yours truly,

Fred Kirby, P. Geo.  
Manager, Quarry Materials

/amw

GOVERNMENT OF NEWFOUNDLAND AND LABRADOR

Department of Natural Resources

QUARRY LEASE NUMBER 118057

ISSUED PURSUANT TO QUARRY PERMIT 118057  
UNDER SECTION 8

THE QUARRY MATERIALS ACT, 1998

THIS LEASE ENTITLES Provincial Paving Limited

OF St. John's

to dig from, excavate, remove and dispose of bedrock **NOT TOPSOIL**  
from an area comprising 5 hectares,

located in the District of Burin-Placentia West

and being described as follows:

All that piece or parcel of land situate and being near the Town of Marystown, in the Provincial Electoral District of Burin Placentia West, in the Province of Newfoundland and Labrador, abutted and bounded as follows, that is to say:

Beginning at a point, the said point having grid coordinates, NAD83, of North 5225176.025 meters and East 363673.364 meters for the Modified Three Degree Transverse Mercator Projection System for the Province of Newfoundland and Labrador;

Thence along Crown Land North zero four degrees nineteen minutes eleven seconds East one hundred eighty-two decimal two one seven meters;

And thence South eighty-two degrees zero four minutes thirty-nine seconds East seventy-three decimal one zero three meters;

And thence North thirty degrees zero seven minutes twenty-eight seconds East sixty decimal seven seven eight meters;

And thence North eighty-nine degrees forty minutes eleven seconds East one hundred eighty-four decimal three nine one meters;

And thence South ten degrees thirty-one minutes thirty-four seconds West seventy-nine decimal four zero zero meters;

decimal four zero seven meters;

And thence South zero four degrees nineteen minutes fourteen seconds West thirty-four decimal seven six five meters;

And thence North eighty-four degrees sixteen minutes fifty-eight seconds West one hundred thirty-four decimal six eight one meters, more or less to the point of beginning;

The above described piece or parcel of and containing an area of five decimal zero zero zero hectares, more or less, and being more particularly shown and delineated on the attached plan;

All bearings being referenced to the central meridian of fifty-six degrees west longitude of the above mentioned projection system.

Subject to the following terms and conditions:

General

1. (a) This lease does not relieve the Lessee from the need to comply with any other Provincial and Federal law or from obtaining all other permits that may be required for the quarry operation, for example, municipal development permits, development control permits, highway access permits, cutting permits, environmental permits for asphalt plants, stream crossing, and/or any others which may be necessary.
- (b) The Lessee shall conduct its quarry operations in a safe and efficient manner in compliance with all relevant Provincial and Federal laws including the *Quarry Material Act, 1998*, the *Mining Act* and the *Occupational Health and Safety Act* and all Regulations made thereunder.
- (c) A royalty as may be set by the Lieutenant Governor in Council from time to time is payable on the last day of each year. The royalty payment must be accompanied by a complete report, on the form provided, stating the quantity and type of material removed under this lease.
- (d) The Lessee shall leave tree screens where they exist between the quarry operations and adjacent public roads, highways or other land uses.
- (e) The Crown reserves the right to quarry and take from the Quarry Site, at any time, all the quarry materials it requires free of charge without obligation to compensate the Lessee in any way.
- (f) A copy of this lease shall be at the Quarry Site at all times that quarry operations are proceeding and shall be made available for inspection upon request together with a copy of any development plans and data which have been filed with the Department of Natural Resources.
- (g) Any person authorized by the Minister may at any time enter upon the Quarry Site in order to inspect, map or examine the quarry operation.
- (h) The Lessee shall neither assign, sublet or part with the possession of the demised quarries, land or premises or any part thereof without having obtained the prior written consent of the Minister.
- (i) This lease may be cancelled by the Minister if:
  - (i) Any part of the rent and the royalty or either of them shall be unpaid for 30 days after becoming payable (whether formally demanded or not).



### Site Preparation

2. (a) The Lessee shall, prior to commencing quarry operations, erect permanent corner posts at least 1.6 metres high and place similar posts at all survey pin locations along the boundary of this Quarry Lease, and complete a 1.2 m cut line along the boundary. All posts to be marked with the Lease number.
- (b) All boundary markings referred to in 2(a) must be maintained during the term of the Lease.
- (c) Areas of the Quarry Site to be excavated shall be clear cut of all vegetation prior to the removal of any quarry material. The Lessee must obtain from the Department of Natural Resources [Forest Services] any necessary cutting permits. Only those areas necessary for production may be cleared under this lease and then only in a manner and sequence as outlined in the approved development plans.

### Quarry Operations

3. The Lessee shall conduct his quarry operations in an efficient manner as set out in the development plans approved by the Minister and as outlined below:
  - (a) All stumps, organic material and topsoil (including the rusty colored and iron stained layer) shall be stripped and stockpiled at least 5 metres from uncleared areas and 10 metres from active quarry or stockpiled areas. The Lessee shall ensure that the quality of the topsoil is not affected by dilution with other materials. Other overburden materials are to be stripped separately and stockpiled separately. The Lessee is responsible for ensuring that no topsoil and organics are removed from the area, unless the Lease states topsoil and organic removal is allowed.
  - (b) The quarrying operations shall be conducted in a systematic manner taking into account the life expectancy of the operation, the eventual slopes and grades upon completion, the potential "after quarry" use of the site and the various grades of materials available at the site. Benching may be necessary to allow for the extraction of specific types or grades of naturally sorted aggregates or to prevent the contamination of higher grade materials by lower grade materials. High grade, high quality materials shall not be used when lower grade materials would be adequate, e.g. concrete grade gravel shall not be used as fill or road subgrade, etc.
  - (c) The quarry faces during operation shall not exceed 10 metres in height without the prior written permission of the Minister.
  - (d) There shall be no quarrying within 50 metres of any public roadway, waterbody or watercourse, nor within 300 metres of any residential development without the prior written permission of the Minister. Additionally, in Protected Road Zone Areas,

(h) For purposes of sections 4(a) 4 (b) and 4 (c):

- (i) measurements and readings shall be made at the nearest residential lot line.
- (ii) ground transmitted vibration shall be measured with a seismograph or complement of instruments capable of recording vibration displacement and frequency, particle velocity, or acceleration simultaneously in three (3) mutually perpendicular directions.
- (iii) the maximum particle velocity shall be the maximum vector sum of three (3) mutually perpendicular components recorded simultaneously. Particle velocity may also be expressed as 6.28 times the displacement in inches multiplied by the frequency in cycles per second.
- (iv) noise levels shall be measured with a sound level meter that meets or exceed performance standards for a "Type Two" meter, as specified by the American National Standards Institute or equivalent.
- (v) noise levels shall be recorded an A-weighted sound pressure level. The level so read shall be post scripted dBA.
- (vi) continuous noise shall be measured using the slow meter response of the sound level meter.
- (vii) impact noise shall be measured using the fast meter response of the sound level meter.
- (viii) impact noises are intermittent sounds of a single pressure peak of a single burst (multiple pressure peaks) for a duration usually less than one second such as the noise of a pile driver or explosive blasting.
- (i) Noise control in quarry operations must include the use of efficient noise suppression equipment on all engines.
- (j) The Lessee is responsible for all vibration, noise, and sediment emissions originating at the site and from quarry operations. Compliance with these quarry standards with respect to vibration and noise is not a defense in a civil action related to vibration, noise, and sediments escaping from a quarry site or caused by quarry operations.

Warning Protocol for Blasting Operations within 1000 m of a Residence, Building or Structure

5. (a) Twenty four hours prior to impending blast, a public notification must be given over local media.

Following the blast and after the area has been found safe, one continuous whistle signal of 15 seconds duration shall be sounded to signify that permission is granted to return to the blasting area.

- (d) The employer shall cause the warning procedure and the standard blasting signal code to be posted conspicuously at quarry operations.

#### Termination of Operation

6. (a) Not less than thirty days prior to abandonment of a site, the Lessee shall notify the Department to arrange for an inspection of the site.
- (b) Upon surrender, cancellation or expiration of the Lease, the Lessee shall, within thirty days after the surrender, cancellation or expiration, take from the Quarry Site any buildings, machinery, chattels, personal property and quarry material which has been extracted and in default of doing so, the Minister may sell or otherwise dispose of the said buildings, machinery, chattels, personal property and quarry material upon such terms and conditions as he considers expedient. In the event that the cost of disposing of the said buildings, machinery, chattels, personal property and quarry material exceeds the amount recovered by the Minister the Lessee shall notwithstanding the surrender, cancellation or expiration of the permit pay to the Minister any deficiency.
- (c) Upon completion of the operation the access road to the Quarry Site shall be ditched or barred to the satisfaction of the District Manager, Department of Transportation and Works.
- (d) The Quarry Site shall be rehabilitated progressively in a manner consistent with the approved development plans; waste overburden may be used for sloping but the topsoil or organic materials shall not be used for sloping. Following sloping, the topsoil and any organic materials shall be re-spread over the entire quarried area. Seeding may or shall be required so as to produce a vigorous plant growth.
- (e) Rehabilitation of the Quarry Site as outlined in 4(d) above may, with the written permission of the Minister, not be implemented in the case of an operation or quarry that is deemed by Department staff to still contain sufficient reserves of materials that may be mined in the near future. In this case, rehabilitation shall be required for those areas or parts of the pit or quarry mined out. Sloping and seeding of remaining topsoil stockpiles may then be required.

7. This lease expires on 2019-01-01



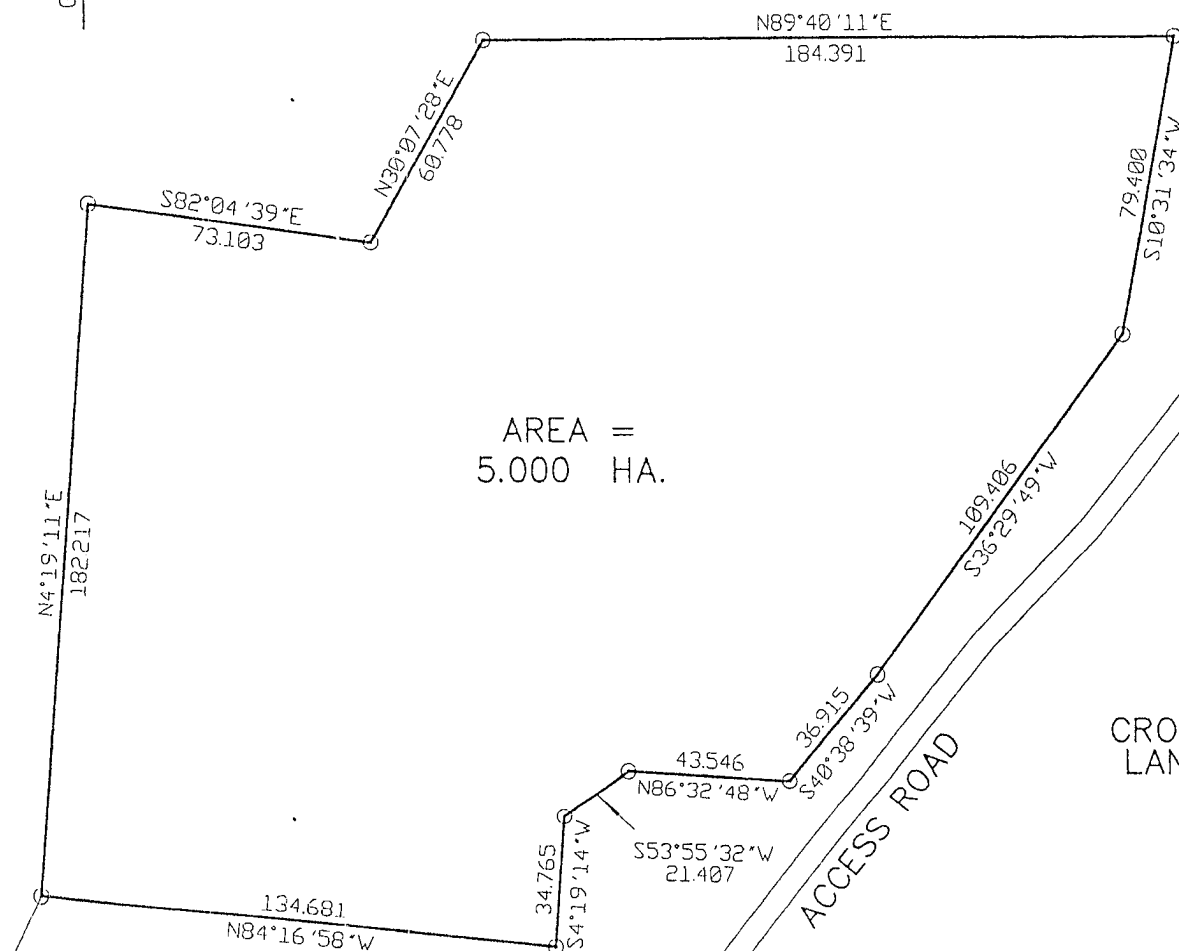
CROWN LAND

CROWN LAND

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CROWN LAND

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5.000 HA.



NOTES:

ALL DISTANCES ARE METRIC

- X----- FENCE
- ⊙ CAPPED IRON BAR
- Fd. EXISTING IRON BAR
- IRON BAR

0.90 KM TO ROUTE 210

COORDINATE TABLE		
NAD 83 CONTROL SURVEY DATABASE		
STATION	NORTHING	EASTING
95G5027	5 222 953.013	364 901.833
SCALE FACTOR 0.999941		



Government of Newfoundland and Labrador  
Service NL

## CERTIFICATE OF APPROVAL

Pursuant to the *Environmental Protection Act* SNL 2002 cE-14.2 Sections 16, 78, 83

Issue Date: May 25, 2016 Approval #: CL-AA16-05001  
Expiry Date: November 30, 2016 File #: 814.049.50

Holder: Provincial Paving Limited  
446 Newfoundland Drive  
St. John's, NL A1A 4G7

Attention: Bill Casey  
Plant Supervisor

RE: Asphalt Plant Construction and Operation

RECEIVED  
JUN 06 2016

Approval is hereby given for the construction and operation of an asphalt plant complete with a wet scrubber located 1.5 km. north of Route 210 in Creston North, NL.

This Certificate of Approval does not release the holder from the obligation to obtain appropriate approvals from other concerned provincial, federal and municipal agencies. Approval from Service NL shall be obtained prior to any significant change in the design, construction, installation, or operation of the facility, including any future expansion of the works. This Certificate of Approval shall not be sold, assigned, transferred, leased, mortgaged, sublet or otherwise alienated by the holder without obtaining prior approval from the Minister.

This Certificate of Approval is subject to the Terms and Conditions as contained in the Appendix attached hereto, as may be revised from time to time by Service NL. Failure to comply with any of the Terms and Conditions may render this Certificate of Approval null and void, may require the holder to cease all activities associated with this Certificate of Approval, may place the holder and its agent(s) in violation of the *Environmental Protection Act*, and will make the holder responsible for taking such remedial measures as may be prescribed by Service NL. The Department reserves the right to add, delete or modify conditions to correct errors in the Certificate of Approval or to address significant environmental or health concerns.

for:

MINISTER

APPENDIX "A"

**General**

1. This Certificate of Approval is for the construction (i.e. set-up) of an asphalt plant complete with a wet-scrubber located at 1.5 km. north of Creston North, NL on Route 210 by and as per the information supplied by Provincial Paving Limited on the *Asphalt Plant Construction and Operation Application Form* dated May 17, 2016.
2. This Approval is not transferable to another owner, or location.
3. The Government Service Centre (GSC) shall be contacted for all inquiries regarding applications, approvals, inspections, and environmental emergencies at (709) 466-4063.
4. Until the expiration date, a copy of this Approval shall be kept on file in the asphalt plant control room.
5. All reasonable efforts are to be taken to minimize the impact of the operation on the environment. Such efforts include minimizing the area disturbed by the operation, elimination of air or water pollution and finding alternative uses acceptable to GSC for waste or rejected materials.
6. Should you wish to deviate in any way from the Terms and Conditions of this Certificate of Approval, a written request detailing the proposed deviation shall be made to the Minister. You shall comply with the most current Terms and Conditions until the Minister has authorized otherwise. In the case of meeting a deadline requirement, the request shall be made 60 days ahead of the noted date.

**Inspection**

7. In accordance with Section 94 of the *Environmental Protection Act*, inspectors may, at reasonable times, enter the site or premises of approval holders to inspect for compliance, adverse effects, releases, remedial actions, take samples, test substances and review records.
8. In accordance with Section 95 of the *Environmental Protection Act*, where a contravention is reasonably suspected and with a warrant, an inspector may enter a premises to search/inspect, seize/copy/return records, seize evidence and make inquiries. The owner must provide reasonable assistance and information. An inspector may act without a warrant in exigent circumstances.

**Asphalt Plant Identification Sheet**

9. The operation of said asphalt plant is conditional on a satisfactory pre-operation inspection by a GSC official(s). The asphalt plant shall **not** operate until the owner/operator has been given an *Asphalt Plant Identification Sheet* as described in the ***Pre-Operation Inspection*** section.

**Pre-Operation Inspection**

10. Five working days prior to operation, the asphalt plant shall have a pre-operation inspection by a GSC official(s). The owner/operator shall remedy any deficiencies identified by the GSC official(s) within the time frame(s) as specified by the official.

11. Once the pre-operation inspection deficiencies have been remedied and the asphalt plant and site is deemed acceptable by the GSC official(s), then the asphalt operator will be given an *Asphalt Plant Identification Sheet* that shall be clearly posted in the asphalt plant control room window.

#### **Operation Inspection**

12. During operation, a GSC(s) official may conduct an operation inspection as they deem appropriate. The owner/operator shall remedy any deficiencies identified within the time frame(s) as specified by the GSC official(s).

#### **Closure Inspection**

13. Yearly, and a minimum of five working days prior to departing an approved site, the asphalt plant operator shall contact the GSC to allow for a closure inspection by GSC official(s). The owner/operator shall remedy any deficiencies identified by the GSC official(s) within the time frame(s) as specified by the official.
14. Future Approvals are conditional on a satisfactory site closure inspection by a GSC official(s). If site rehabilitation is deemed unsatisfactory to the Minister, then future Approvals may not be issued to the owner and/or operator.

#### **Lunch and Maintenance Wastes**

15. Receptacles shall be placed on-site for the collection of lunch and maintenance waste. On a weekly basis, these materials shall be removed and disposed of at an approved waste disposal site. These wastes shall not be open burned.

#### **Air Emissions Controls**

16. The wet-scrubber shall be maintained in good working order and shall be used to treat all asphalt plant emissions. Fugitive emissions resulting from leaks in plant housing and duct work are unacceptable. These shall be addressed immediately.
17. Dust control measures shall be taken to control excessive dust generated by aggregate stockpiles, plant-site roads, or plant equipment.

#### **Surface Water Pollution Controls**

18. The wet-scrubber and settling ponds shall be operated as a closed-loop system, with water for the scrubber re-circulated from the secondary settling pond. Systems that do not re-circulate scrubber water are unacceptable.
19. The wet-scrubber effluent shall be given sufficient time in suitably sized artificial settling ponds to remove fines. Fines collected in the settling ponds shall be removed regularly to ensure the efficient settling of captured dust in the scrubber effluent. These shall be disposed in a manner acceptable to the Minister.

20. The primary and secondary settling ponds shall be designed and constructed with the following:
- a. the settling ponds shall have an impermeable liner to ensure that excessive amounts of new water are not required by the system. Make-up water may be added to replace losses due to stack emissions and/or evaporation;
  - b. the channel that connects the primary and secondary settling ponds shall be a minimum of 0.6 m in width, and 2.0 m in length; and
  - c. in each of the primary and secondary settling ponds, the respective inlet and outlet of each settling pond shall be directly opposite of each other to maximize their separation and prevent short-circuiting of the settling pond.
21. Silted runoff from aggregate stockpiles or freshly disturbed soil, shall be treated with silt screens or settling ponds before discharge to the environment.
22. A minimum 15 meter undisturbed buffer shall be maintained between plant site activity and a natural water body and/or water course.
23. Any alteration of a natural water body, or work within 15 m of a water body shall be approved by the Water Resources Division of the Department of Environment and Conservation. Alteration of a water body may include culvert installations, stream crossings, outfalls, infilling; or bridge, dam, and wharf construction.
24. At least weekly, or when the surface of settling ponds have a 10% coverage of gasoline, oil, diesel, soot, or tar, these shall be removed and disposed of as per **Spill Response** section.

#### Fuel Storage

25. All on-site storage and handling of petroleum shall comply with the Storage and Handling of Gasoline and Associated Products Regulations, NLR 58/03. All Storage tanks shall be registered with the GSC. All aboveground storage tanks shall be labeled with the *Registration Number*. The registration number shall be at least 10 cm in height and clearly visible.
26. The dyke drain valve on self-contained, dyked tank(s) shall be closed and locked when not supervised.
27. Prior to relocating any self-contained, dyked tank(s), a *Tank Relocation Form (TRF)* shall be submitted to GSC.
28. Prior to precipitation drainage from a self-contained-dyked unit, the dyked area shall be inspected and any accumulated oil collected. Precipitation drainage shall be conducted under constant supervision.
29. All fuel storage tanks shall be drained of fuel within one week after asphalt production has been completed. Fuel oil shall **not** remain in tanks over the winter.

#### Asphalt Release Agents

30. A well defined area shall be designated for the application of an approved asphalt release agent to truck boxes. Diesel shall **not** be used for this purpose.



### **Spill Response**

31. A minimum of 25 kg of loose particulate oil-specific absorbent, and two bags of oil-specific absorbent pads shall be kept on-site for the clean-up of hydrocarbon spills. Performance of these absorbents shall conform to CAN/CGSB-25-14-M89 or equivalent.
32. Oil spills shall have oil-specific absorbents applied to them immediately, and all contaminated soil and absorbent shall be collected for proper disposal within four hours after application. Leaking equipment and/or fuel lines shall be repaired and/or replaced immediately.
33. Free product shall be rung from absorbents and the recovered product used as fuel. Where possible, rags and absorbents shall be reused. Spent rags and absorbents shall be disposed of at an approved landfill.
34. Any spillage in excess of 70L or any leakage of gasoline or associated product, or of a substance that is deleterious to fish shall be reported immediately through the Canadian Coast Guard at 1-(709)-772-2083.

### **Spilled and Off-Spec Asphalt**

35. Spilled liquid asphalt shall be collected by installing vessels or shallow trenches under tanker connection points and drain valves. Liquid asphalt collected in this manner shall be disposed of at an approved waste disposal site at least once a week.
36. A well-defined area shall be designated for the temporary storage of off-spec and waste asphalt. Where possible, off-specification and waste asphalt shall be recycled on-site. Otherwise, this material shall be removed on a minimum of a weekly basis to either an approved waste disposal site for disposal, or an approved waste asphalt storage site for recycling.

### **Monitoring**

37. Although a monitoring program is not part of this approval, the Department may require a monitoring program when it is the judgment of the Director that:
  1. pollutants might be released to the surrounding environment without being detected; or
  2. an adverse environmental effect may occur.

### **Site Rehabilitation**

38. Prior to the closure inspection at the end of the paving season or upon completion of a paving contract, the site shall have hazards removed and be rehabilitated to its original condition, or such condition as may be acceptable to the Minister. Generally, this would consist of, but not be limited to, the following:
  1. sloping all site boundaries to 2:1 slope;
  2. topsoil stockpiled during the site preparation operations must be spread over the entire site and seeded;
  3. grading of potholes and backfilling of boulders that may create a hazard, or impair vehicle movement;

4. clean-up and removal of any substance(s) that may be deleterious to fish;
5. removal of contaminated soils, off spec asphalt, asphalt release agents, and litter; and
6. no material other than the original soil and vegetation may be buried or left on site.

#### **Reporting**

39. Any spillage in excess of 70L or any leakage of gasoline or associated product, or of a substance that is deleterious to fish shall be reported immediately through the Canadian Coast Guard at 1-(800)-563-9089.
40. Verbal or written complaints of an environmental nature from the public received by the company related to this project whether or not they are received anonymously, shall be reported to the Government Service Centre within **one** working day.

#### **Expiration**

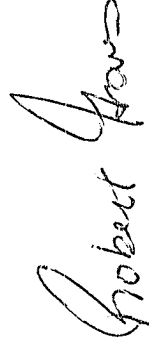
41. This Certificate-of-Approval expires November 30, 2016.

Service NL  
Government Service Centre

CONTRACTOR: Provincial Paving Limited  
LOCATION: 1.5 km. north of Route 210 in Creston North, NL  
ISSUE DATE: May 25, 2016  
EXPIRATION DATE: November 30, 2016

THIS ASPHALT PLANT AND SITE HAS HAD A PRE-OPERATION  
INSPECTION BY A GSC OFFICIAL AND HAS BEEN GIVEN  
APPROVAL FOR CONSTRUCTION AND OPERATION. INQUIRIES  
SHOULD BE DIRECTED TO GSC AT (709) 466-4063

APPROVAL NO. CL-AA16 - 05001



for Minister



Google Earth

feet 1000  
meters 300

