

CONCORD PAVING LIMITED
P.O. Box 779
Carbonear, NL
A1Y 1C3

February 22, 2019

Department of Municipal Affairs & Environment
Environmental Assessment Division
PO Box 8700
St. John's NL
A1B 4J6

Attention: Ms. Squires, Ph.D.
Director

Re: Environmental Assessment for Gravel, Rock Quarry, located along Rocky Pond Road, Spaniard's Bay, File Ref No. 200.20.2774, File No:

As per your letter dated November 20, 2018, find attached the Environmental Assessment for the proposed rock quarry located along Rocky Pond Road, Spaniard's Bay. If you have any questions, please contact the undersigned at your earliest convenience.

Regards

Pat Mullins
Chief Executive Officer

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1.0 Proponent

1.1 Name of Corporate Body

Concord Paving Limited
P.O. Box 779
Carbonear, NL
A1Y-1C3

1.2 Chief Executive Officer

Pat Mullins
P.O. Box 779
Carbonear, NL
A1Y-1C3

1.3 Principal Contact for Purposes of Environmental Assessment

Kevin Keating, P.Eng.
General Manager
P.O. Box 779
Carbonear, NL
A1Y-1C3

2.0 The Undertaking

2.1 Name of the Undertaking

Concord Paving Limited Rocky Pond Road Rock and Gravel Quarry, Spaniard's Bay

2.2 Purpose for the Undertaking

Concord Paving Limited (Concord) is planning to expand the existing rock quarry located along Rocky Pond Road (also listed as New Harbour Road) in Spaniard's Bay. The purpose of this undertaking is to manufacture granular construction materials such as Class A, Class B, Asphalt Aggregate, Armour Stone and Structural Rockfill for use in various government and municipal construction projects throughout the Avalon. Concord currently operates a rock quarry directly adjacent to this location and the useful lifecycle of this location is nearing completion, warranting the need for an expansion to the existing location.

3.0 Description of the Undertaking

3.1 Geographical Location

The proposed location is approximately 2.1 Kilometers West of the intersection of Veterans Memorial Highway and Rocky Pondy Road along Rocky Pond Road as can be seen in Figure 1.

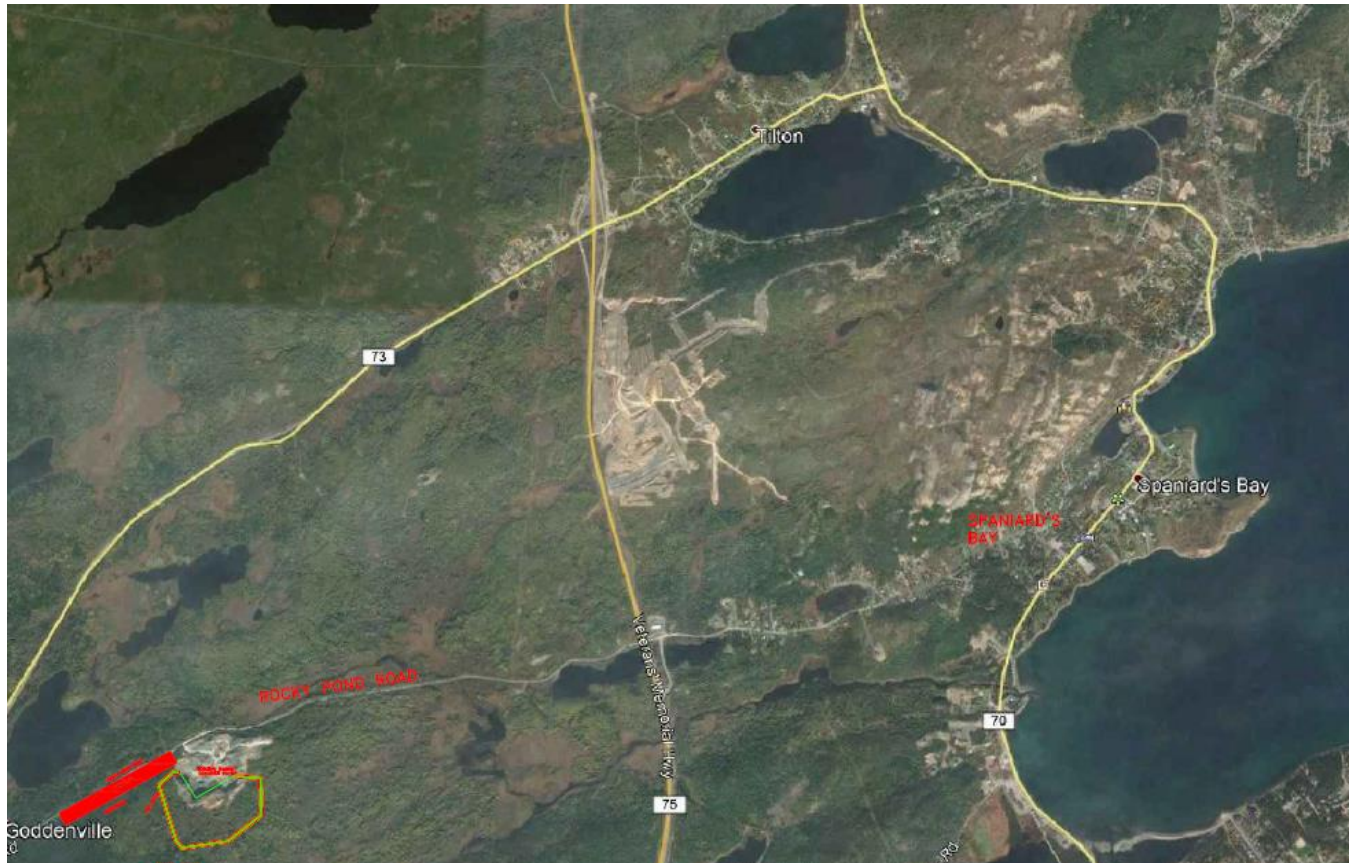


Figure 1: Location Plan

The proposed site is an expansion to the existing quarry that has been operated for the past 25 years by Concord. It is bounded by Rocky Pond Road to the North, the existing Quarry and Crown land to the East, Crown Land to the South and Crown land to the West.

The proposed undertaking is offset approximately 60 meters from Rocky Pond Road and the limits of the watershed outside the undertakings boundaries and an additional 15 meters within the boundaries. This maintains a minimum of a 90 meter vegetation buffer from Rocky Pond Road as seen in figure 2. The undertaking is proposed to be accessed from Rocky Pond Road near the north-west corner boundary.



Figure 2: Site Plan

3.2 Physical Features

The proposed undertaking will encompass an area of 12.0 hectares and will be developed and reclaimed in areas approximately 1-2 hectares. The land being applied for is located on a ridge of bedrock with minimal soil and root mat overlying the bedrock, and bedrock is visible in many areas throughout the site. Within the boundaries of the proposed undertaking the land is relatively flat and slopes gradually positive towards the West and gradually negative towards the South. There are no existing waterbodies, rivers or drainage channels within the undertakings boundaries.

The vegetation present on site consists mostly of a Light to medium density boreal coniferous forest containing mainly spruce trees. The wildlife expected to be present in the area would consist of small to medium sized animals that are native to the area. Physical features that will be present on the undertaking will include portable weigh scales and a temporary office trailer to act as a scale house. Existing access from Rocky Pond Road will be used via the existing quarry development of Concord.

3.3 Construction

Construction would be commencing in mid-2019 depending on approvals and permits.

Concord estimates that quarrying 1-2 Hectares every 3-5 years will result in a 35-45 year life span for the Quarry.

Potential sources of pollutants that would be present during the construction period would include oil, fuel and other potential fluid spills from heavy equipment. To reduce the effects of potential sources of pollutants, standard procedures and practices shall be utilized. To reduce the impacts on the environment from a potential fuel/oil spill during the construction phase, Concord will implement the following measures and practices;

- All employees operating equipment will complete a daily inspection prior to using the equipment. The daily inspections will check fluid levels, condition of the lines and other operational features to ensure the equipment is in working order.
- While inspections are made prior to equipment being used each day, if a spill occurred, spill control kits will be on site at all times for immediate use.
- As a preventive measure once the equipment reaches the specified number of hours the machine will be serviced and thoroughly inspected for leaks, part wear including assessment of fluid lines prior to being released for work again.
- The solid waste created by the workers during this period will be disposed of utilizing a dumpster for garbage and portable toilets for washroom facilities.

- Any siltation of the groundwater will be addressed using proper siltation control measures. The siltation can occur through the clearing and grubbing operation as well as rain/ground water migrating through the work zone. Siltation of the waterway during the lifecycle of the quarry will be mitigated by using a drainage ditch along the western and southern boundaries to collect the rain/groundwater. The drainage ditch will have silt fence or hay installed to reduce siltation, prior to the end of the ditch three consecutive check dams will be installed before the discharge location.
- Concord will ensure that appropriate dust control measures are put in place to ensure that only minimal amounts of dust will be produced during the construction season. The crusher is equipped a water suppression system which minimizes the dust levels during production. Dust control on the roads will be achieved utilizing a water truck.

3.4 Operation

The proposed undertaking is to operate a quarry for the purpose of manufacturing aggregate construction materials. This operation will include stripping and stockpiling of any topsoil and root mat for reuse in the reclamation process, drilling and blasting of the bedrock. Concord will commence drilling in early spring of each construction season and will drill off an area large enough to produce from 50,000 to 100,000 tonnes depending on market conditions. The blasting will be completed, weather depending, in one large blast and will then cease until spring of the next construction season. Once drilled and blasted, the rock will be crushed into various types of aggregates and stockpiled. The crushing operation is a 5 day per week at 12 hours per day and operates from May until December of each year. The operation would be phased and developed in areas of 1 to 2 hectares in size, Figure 3 shows the areas and the approximate order in which they will be developed.



Figure 3: Proposed Development Plan

The reclamation process for area one will commence when quarrying operations in that area are complete and have moved to area 2. This process will be repeated until all areas have quarried and reclaimed. Each area of 1 to 2 hectares will take 3-5 years to fully develop and reclaim depending on demand for materials produced.

Potential sources of pollutants that would be present during the operation period would include oil, fuel and other potential fluid spills from heavy equipment. To reduce the effects of potential sources of pollutants, standard procedures and practices shall be utilized. To reduce the impacts on the environment from a potential fuel/oil spill during the construction phase, Concord will implement the following measures and practices;

- All employees operating equipment will complete a daily inspection prior to using the equipment. The daily inspections will check fluid levels, condition of the lines and other operational features to ensure the equipment is in working order.
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- As a preventive measure once the equipment reaches the specified number of hours the machine will be serviced and thoroughly inspected for leaks, part wear including assessment of fluid lines prior to being released for work again.
- The solid waste created by the workers during this period will be disposed of utilizing a dumpster for garbage and portable toilets for washroom facilities.
- Any siltation of the groundwater will be addressed using proper siltation control measures. The siltation can occur through the clearing and grubbing operation as well as rain/ground water migrating through the work zone. Siltation of the waterway during the lifecycle of the quarry will be mitigated by using a drainage ditch along the western and southern boundaries to collect the rain/groundwater. The drainage ditch will have silt fence or hay installed to reduce siltation, prior to the end of the ditch three consecutive check dams will be installed before the discharge location.

3.5 Occupations

The proposed undertaking will employ various occupations during its lifecycle. During the ground stripping phase of the undertaking the operations will employ approximately 10 persons which include 2 truck drivers, 2 equipment operators, and 1 construction manager. All work for this portion of the project will be full time seasonal positions.

Concord is committed to employment equity and has multiple women currently working with us during the construction industry. Although we currently do not have any persons employed with disabilities we have employed persons with disabilities in the past. We have a varied age demographic employed during the construction season. The ages of persons employed with Concord during the past construction season varies from 18 to 70+. All of these jobs will be full time seasonal.

During the operation of the proposed undertaking it will employ on average 7-9 personnel. The work crew will be made up of equipment operators, laborers, drillers

and blasters, mechanics, and construction manager. The duration of operations is dependent on the demand for materials produced but should last between 35 to 45 years. All work for the operations will be direct hire except for the driller and blasting which will be completed by a subcontractor. All of the jobs associated with this operation will be full time seasonal.

3.6 Project Related Documents

The following documents are available in relation to this project and are attached in Appendix A.

- Existing Quarry Permit for Concord Paving, Rocky Pond Road, Spaniards Bay
- Quarry Application to the Department of Natural Resources for Expansion
- Letter from the Environmental Assessment division of the Department of Municipal Affairs and Environment
- Letter of support from the Town of Spaniard's Bay

7.0 Approval of the Undertaking

Approval support has been obtained from the Town of Spaniard's Bay. Other approval agencies will be contacted by Natural Resources during the approval process for the Quarry Lease then once this Environmental Assessment is accepted by the necessary bodies we can have our quarry lease issued by The Department of Natural Resources.

8.0 Schedule

We would like to start ground work on this site mid-2019, pending all permits and approvals. Early access to this site will benefit us for upcoming Municipal Affairs/Transportation and Works tenders in the area, as we can price the project with supplying our own aggregate and rock, opposed to purchasing them from another contractor.

9.0 Funding

The proponent will provide all funds necessary to create material and any accessories buildings required for this site. The funds will recovered through the sale of granular materials, and rockfill along with the cost savings of using our own material.

Date

Signature of Chief Executive Officer

APPENDIX A

Existing Quarry Permit for Concord Paving, Rocky Pond Road, Spaniards Bay



Government of Newfoundland and Labrador
Department of Natural Resources

Mineral Lands Division

QUARRY PERMIT NUMBER: 139304

This quarry permit, issued under the provisions of The Quarry Materials Act, 1998 entitles: Concord Paving Ltd. of Carbonear, NL .

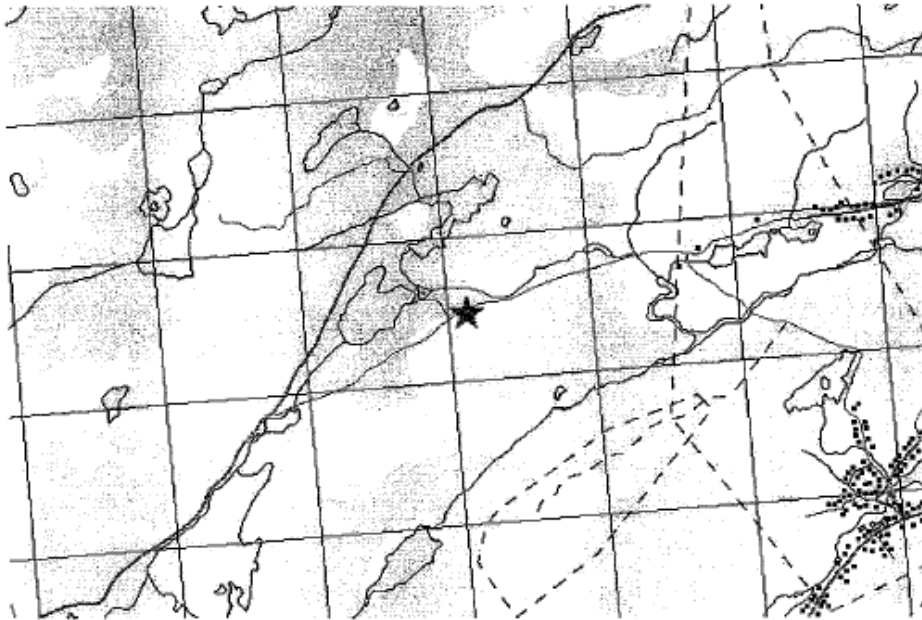
to dig for, excavate, remove, and dispose of Gravel, Rock, by (Operation Not Specified)

for an area comprising approximately 5 hectare(s) located in the district of: Harbour Grace - Port de Grave

and being more particularly indicated on a map under File Number 7116729 in the Department of Natural Resources and generally described and shown as indicated on the attached map at: Rocky Pond Road, Spaniards Bay .

Removal of topsoil is not allowed under this permit.

This permit is non-transferrable and expires on: **04-Jun-2019**



Quarry Application to the Department of Natural Resources for Expansion

QUARRY PERMIT APPLICATION

I/We Concord Paving Limited

Address: P. O. Box 779, Carbonara, N.L.

Postal Code: A1Y 1C3

Hereby apply for a quarry permit for 120 hectares to expire December 31st, _____ under the terms and conditions of the Quarry Materials Act, 1998, SML 199:01.

QUARRY HISTORY:

Have you had permits for this site previously? YES NO

If yes, please list the permit or file numbers associated with that site: _____ This site is located to the _____ west and south of quarry permit # 133204

Are you applying for a permit to the same area you held under permit last year? YES NO
If yes, please complete **ONLY** the following section.

QUARRY PERMIT RE-APPLICATION SECTION

File Number: _____ Previous Permit Number: _____

I certify that there are no changes or modifications to the site, boundaries 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: _____

CONTRACT INFORMATION:

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

Agency Awarding Contract: _____
Address: _____ Phone No.: _____
Contract No. _____ Tender Closing Date: _____
Anticipated Starting Date: _____ Anticipated Completion Date: _____
Amount of material required:
Class A: _____ Class B: _____
Asphalt aggregate: _____ Other (please specify): _____
Have you been awarded the contract? YES NO

LAND OWNERSHIP:

Ownership of the land, 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 the title and ownership must be included.

Name of property owner: _____
Address of property owner: _____

Form of Title:

Crown Grant: _____ Date Issued: _____ Volume: _____ Folio: _____
Crown Lease: _____ Date Issued: _____ Number: _____
Other (specify): _____

QUARRY INFORMATION:

For the purpose of removing:

- Sand
- Gravel
- Rock
- Borrow material
- Horticulture peat
- Stockpiled material
- Other (please 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 (please specify)

NOTE:
Topsoil removal is NOT permitted

Proposed end use of material:
Location of end use material:

Rock Building and Asfalt Production
Avellan Peninsula

SITE PREPARATION:

At the time of application, the site being applied for must be clearly marked on the ground 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? YES NO
- Is there existing access to the quarry site (e.g., road, trail)? YES NO

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

Describe marking, if any in addition to the above required markings:

LAND USE INFORMATION:

- Is the site being applied for an existing quarry? YES NO
If yes, what are the dimensions of the quarry? Width: _____ Length: _____ Average face height: _____
- Are there any structures (e.g., house, fence, pole line) within the boundaries of the quarry site? YES NO
If yes, describe the structures & give distances from the site: _____
- Are there any brooks, rivers, ponds or streams within the boundaries of the quarry site? YES NO
If yes, specify type of water body: _____
- Are there any brooks, rivers, ponds or streams within 200 metres of the boundaries of the quarry site? YES NO
If yes, specify type of water body and give distances from the site: _____
- Is there any land being used within a 300 metre radius of the boundaries of the quarry site? YES NO
If yes, describe the land and give distances to the site: _____
Existing quarry is adjacent

LOCATIONAL INFORMATION:

Describe the location of the proposed quarry with reference to the UTM grid (NAD 1927) on a 1:50,000 topographic map. Description must include NTS map sheet, UTM zone and the coordinates. List CO-ORDINATES of each corner in the spaces provided below. Additional coordinates may be listed on an additional sheet and attached to this application.

NTS MAP SHEET (e.g., 01N/10): _____ UTM ZONE: 19 20 21 22

1. _____ mE _____ mN	5. _____ mE _____ mN
2. _____ mE _____ mN	6. _____ mE _____ mN
3. _____ mE _____ mN	7. _____ mE _____ mN
4. _____ mE _____ mN	8. _____ mE _____ mN

Describe the location of the proposed quarry with reference to nearby prominent landmarks (road intersections, bridges, etc.) to nearest tenth of a kilometre: 30 km from Rocky Point, 1.04 km from El Paso, 1.07 km from Rocky, 3 km from Avellan

SKETCH OF QUARRY SITE

In the space below, draw a sketch showing the following:

- the boundaries and distance between corners of the site being applied for,
- outlining of existing quarry (if one exists),
- distances of all features within the quarry site,
- all features within a 300 metre radius of the boundaries of the quarry site, including all features listed in the "Land Use Information" section of this application.
- the proposed access to the site and the distance the quarry site is set back from the highways or main roads,
- the location of where the UTM co-ordinates were taken



Sketch map may be a detailed survey of the area of the permit; location of the permit on a detailed cadastral or forest inventory map; a detailed aerial photograph or a Google Earth image.

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

Name:	<u>Barbara Mullins</u>	Phone No. (Business):	<u>709-1-96-3139</u>
Signature:	<u>B. Mullins</u>	Fax No.:	<u>709-1-96-0033</u>
Position:	<u>Director</u>	Email address:	<u>Barbara.mullins@outlook.com</u>
Date:	<u>October 29/18</u>		

**Letter from the Environmental Assessment division of the Department of
Municipal Affairs and Environment**



Government of Newfoundland and Labrador
Department of Municipal Affairs and Environment

November 20, 2018

File Ref No. 200.20.2774

Concord Paving Ltd.
Ms. Barbara Mullins
P.O. Box 779
Carbonear, NL
A1Y 1C3

Project: Gravel, Rock Quarry
Location: Rocky Pond Road, Spaniard's Bay

Please be advised that The Environmental Assessment Regulations, 2003, Section 33(3) define your project as an undertaking requiring environmental review pursuant to the Environmental Protection Act, SNL 2002, cE-14.2.


You are therefore required to register your undertaking with this Department. The attached booklet entitled *Environmental Assessment: A Guide to the Process* provides the registration format and other information to assist you. It is recommended that a draft of the registration document be submitted for review.

Please be aware that under provisions of the Act, undertakings may not proceed and other government agencies may not issue any relevant authorizations until a decision is rendered by the Minister. A decision by the Minister will be provided to you within 45 days following receipt of your registration.

Please be advised that, in accordance with Government's Proactive Disclosure Initiative, all Ministerial decision letters related to your project will be posted online subject to any exceptions to disclosure provided under the Access to Information and Protection of Privacy Act, 2015.

If you have any questions, please contact John Reynolds, Environmental Scientist at (709) 729-0090, toll free at 1-800-563-6181 or email at johnreynolds@gov.nl.ca. Our staff is always ready to assist you.

Sincerely,


Susan Squires, B.A., B.D.
Director
Environmental Assessment Division

Letter of support from the Town of Spaniard's Bay

Mayor - Paul Brazil
Deputy Mayor - Darlene Stamp
Councillors - Eric Jewer
 Sherry Lundrigan
 Paul Ryan
 David M. Smith
 Tracy Smith
Town Manager - Tony Ryan



Telephone (709) 786-3568
Fax (709) 786-7273
TOWN HALL
PO Box 190
Spaniard's Bay, NL
A0A 3X0
www.townofspaniardsbay.ca
email: spaniardsbay@persona.ca

The Municipality of Spaniard's Bay

February 18, 2019


To Whom it May Concern;

This is to advise that the Town of Spaniard's Bay has no objection to an application from Concord Paving Ltd. to expand the location of their aggregate pit within municipal boundaries of Spaniard's Bay.

If you have any questions regarding the above, please feel free to contact the office at your convenience.

Yours truly,

TOWN OF SPANIARD'S BAY


Tony Ryan
Town Manager