

# **Environmental Assessment Registration**

## **Burin BDC Construction Quarry**

**Submitted by**  
BDC Construction

**Submitted to**  
The Minister  
Environment and Climate Change  
Environmental Assessment Division

**May 2024**

**NAME OF UNDERTAKING:**

Burin BDC Construction Quarry

**PROPOSER:**

**Name of Corporate Body:**

B.D.C Construction

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## **THE UNDERTAKING:**

### **Name of the Undertaking:**

Burin BDC Construction Quarry (The Project/The Undertaking)

### **Purpose/Rationale/Need for the Undertaking:**

The purpose of the quarry is to access materials to help the company expand. Materials from the quarry will be slate rock. The intended use of materials will be used for road construction, land development/back filling and drive-way construction. The materials will be supplied to contracts that BDC Construction is awarded and the general public within the Burin Peninsula.

The need for additional area in the quarry is because in the existing quarry zone under the quarry application #71111994, the rock is very hard. To scrape at the rock is very hard on our equipment, unless a blast was to occur, which we are trying to avoid. With the extension of the proposed 4 hectare quarry (Quarry Application #71113054) to the existing quarry, we would be able to access easier and softer materials. We would still want to keep our original area, as over time, the hardened rock will soften, and we can still use those materials.

## **DESCRIPTION OF THE UNDERTAKING:**

### **Geographical Location:**

The current quarry (#71111994) is located on the Burin Peninsula two kilometers SE of Salt Pond, Burin. It is neighbored by another quarry owned by Brenton Investments #7115206 (outlined in red in Figure #1).

Access to the current quarry is located on Route 221 (Main Street, Burin), then through Greenhill Rd, Burin which is owned by the Town of Burin.

The proponent's current quarry is adjacent to Mortier Big Pond Rd. Access to the proposed quarry will be through the preexisting permit under the current quarry operation (#71111994).

Figure #1 outlines the location and coordinates marked as A,B,C, and D and also shows neighboring quarry on the NE (operated by Brenton Investments, quarry application #7115206).

*Refer to Figure #5 in Appendix A about the Proponent's active and proposed quarries and the location of surrounding quarries in the area. Figure #6 shows a map of surrounding communities.*



Figure #1

Coordinates:

- A: 638950.44 mE / 5216511.54 mN
- B: 638847.78 mE / 5216422.25 mN
- C: 638931.41 mE / 5216357.10 mN
- D: 639050.64 mE / 5216458.14 mN

We would like to extend the quarry like the photo attached, with marked coordinates in Figure #2.



Figure #2

The coordinates for the area outlined in yellow is the following:

638934.56m	E	5216361.33	m	N
639169.70m	E	5216353.18	m	N
639266.25m	E	5216407.37	m	N
639245.58m	E	5216461.36	m	N
639109.75m	E	5216421.40	m	N
639049.94m	E	5216458.35	m	N

### **Physical Features:**

Figure #3 shows the physical condition of the land. The physical condition of the proposed 4-hectare area is forest covered with trees and shrubs. In Figure #3, the former cutting areas within the quarry extension (#71113054) show a brighter green color. There are no ponds or streams located within the quarry. There are ponds near the quarry. Mortier Big Pond is 500m NE, Round Pond is located 150m WSW of the quarry, Little Salmonier Brook is 190m ESE, and Barbour's Pond is located 630m SW. The ponds are outside the quarry and have no salmon rivers associated with the ponds.

North of the existing quarry permit (#71111994) in Figure #3, is a neighboring quarry operated by Rogers Farm & Greenhouses Ltd (quarry application #71112503).



Figure #3

Figure #4 shows the location of the ponds to the quarry. The closest residential property is 650m from the proposed quarry. The closest commercial business would be Mullets Contracting and Building Supplies, located 2.6 km away from the quarry on 479 Main St, Burin. The area around the proposed quarry has been used for other Quarries for the past few years.

Located near the quarry are two cabins. Listed below are the details of each cabin.

1. The Lundrigan cabin is to the south of the west corner of the Project. Mr. Lundrigan gives his permission for access only within 50 m of his property (permission note attached on file 71111994), which is respected. In terms of the access itself, the Lundrigan restriction does not matter because access is through the other permit and not off of the road containing the cabins.
2. The second cabin is unregistered. It is not shown on the Crown Land Atlas. There is a 15m buffer with no work activity for the respect of the cabin owners. This buffer area does not affect the new area for the Project.



Figure #4

#### **Construction:**

The construction on the proposed quarry will consist of the ripping method for the purpose of removing fragmented slate from the site. Construction of the quarry will begin with the cutting of trees to gain access to materials. Construction of the land will take approximately 3-6 months. The road going into the proponent's current quarry will be approx. 15m in length and 10m wide to gain access to the proposed quarry. Equipment that will be used during the construction of the quarry will be a backhoe, excavator and a dump truck. The dump truck will move the overburden. All overburdens will be stored on-site for rehabilitation at the end of the quarry operation. To minimize the potential effects of noise and exhaust

emissions, all equipment will be insured to be within regulations for emissions. To prevent soil erosion, if water becomes present, drainage ditches will be used. No buildings will be constructed on the quarry.

**Operation:**

The operation will involve excavation of slate from the site. There will be an excavator on site to rip the slate and a dump truck to remove the slate off site. The slate would be removed based on the needs of the consumers and contracts throughout the year. The soil layer will be piled aside to use at a later date for reclamation to make sure the land is maintained at all times. The quarry will be refurbished to the standards of the Department of Industry, Energy and Technology (IET) when the operation is completed. The road to the quarry and accessing the quarry will have calcium placed on the road to prevent any dust in the area. All equipment on site, such as backhoe, excavator and dump truck, will be maintained and will meet all emission regulations at all times during operation. The main source of pollutants during the operation of the quarry will be emissions from the equipment running and operating and potential hydraulic leaks. If a hydraulic leak occurs, it will be immediately contained, cleaned and removed.

Refueling of the equipment will involve having a company pickup truck with a storage tank and fuel tanks come onto the quarry when needed for refueling. The truck will have a spill kit inside the truck. The site will be maintained with spill kits, first aid kits and fire extinguishers in all equipment.

During operation, the site will have all appropriate signs and safety markers visible.

The operation will begin when all applications and permits have been issued. Operation will be yearly, majority of operations will be in the months of May-October.

**Rehabilitation:**

The current quarry (71111994) will be rehabilitated, and the area that isn't being used anymore will be completely rehabilitated, we have soil on hand to put in place to make sure growth and rehabilitation can happen properly in the areas we have worked. A berm will be placed outside as well. We want to make sure that we leave the area with the best success to be able to rehabilitate.

**Occupations:**

Currently, BDC Construction is in the beginning stages of a new business. Currently, BDC Construction has 3 employees:

1 Lead Foreman (0721)

1 Heavy Equipment Operator (7521)

1 Truck Driver (7511)

BDC Construction will be able to take on more contacts with the quarry which will require the hiring of more employees to drive heavy equipment. BDC Construction is an equal-opportunity employer.

**Project Related Documents:**

There is a quarry application submitted to IET.

Quarry Extension Application #71113054

**APPROVAL OF THE UNDERTAKING:**

The Town of Burin has brought forward at their council meeting an application for an extension quarry 2km SE of Salt Pond in the town of Burin. The council voted and approved the application of the quarry. In addition, from the town, the proposed quarry will require a permit issued by IET.

**SCHEDULE:**

Initial development of the site for excavation is planned for early 2024 with approval. BDC Construction would begin excavation and preparation for the following season.

**FUNDING:**

The funding will be provided solely by BDC Construction.

May 2 ,2024

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Brandon Brushett, Owner/Operator

## Appendix A



Figure #5 - Location of the proposed and the surrounding quarries. Source: [Quarries - Industry, Energy and Technology \(gov.nl.ca\)](http://Quarries - Industry, Energy and Technology (gov.nl.ca))



Figure #6 – Surrounding Communities of the Project.