

# **ENVIRONMENTAL ASSESSMENT REGISTRATION DOCUMENT**

## **Badger Sand and Gravel Quarry**

Prepared For:  
Exploits Welding and Machine Shop Limited

**June, 2023**

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## 1.0 NAME OF UNDERTAKING

Badger Sand and Gravel Quarry  
(Quarry Application# 71113066)

## 2.0 PROPONENT

### 2.1 Name of Corporate Body

Exploits Welding and Machine Shop

### 2.2 Address

2 Queensway, Grand Falls-Windsor,  
NL A2B 1J3

### 2.3 Chief Executive Officer

Ed Stuckless, President and C.E.O

### 2.4 Principal Contact Person

Paul Walbourne

## 3.0 THE UNDERTAKING

### 3.1 Nature of the Undertaking

The proposed project involves the development of an open pit-style quarry for the purpose of removing sand and gravel to support infrastructure developments in the Central NL area. The estimated cost to develop this site will be approximately \$50,000.00. There are no residents in the surrounding area. There are neighboring farms with no residents that live on the farms. There is an existing access road to the quarry which has a curve so that the quarry site is not visible from the Trans Canada Highway. There will be minor upgrades to the access road with little brush clearing to maintain the access road. The site was originally developed by a paving contractor to do some upgrades to the Trans-Canada Highway in the early 2000's. The site has been vacant ever since. (see attached photos)

### 3.2 Purpose/Rationale/Need for the Undertaking

This area is a potential source of sand and gravel deposits suitable to produce backfill for use in construction applications.

## 4.0 DESCRIPTION OF THE UNDERTAKING

### 4.1 Geographic Location:

UTM: 22U 570069.05m E/5427981.26m N

The 2.60-hectare project area is located approximately 2000 meters west of the TCH (Badger NL) Then at 2.64 KM NNW of Badger Brook. Please refer to Figure 1 for an overview and Appendix A for attached maps of the area.



#### **4.2 Physical Features**

The project area lies within 220m W of Badger NL and approximately 2.64km NNW of Badger Brook and the area is approximately 2.60 hectare. The access road is 4m wide and 1000 kms long. The access exists with minor upgrades to use with no clearing to be completed, this quarry will not be visible from the highway. There is no one neighboring within a 5-mile radius.

In terms of ecology, the area is located within the Central Newfoundland area which is characterized by warm summers with moderate precipitation. Winters are relatively cold with moderate snow cover. The area is home to moose, lynx, hares, ducks and a variety of other bird species and small animals. The small ponds and rivers in the area contain several species of fish.

#### **4.3 Development**

The development of the proposed quarry area will occur in several phases:

Access: Access to the quarry is approximately 2000 m west of the TCH (Badger, NL) and the existing road leading into the site will be upgraded. This site was originally developed by a local civil contractor

Quarry Area:

- a. Excavation, crushing/screening, washing (if required), stockpiling, and loading of quarry materials.
- b. Transportation of product to market

#### **4.4 Operation**

The project area will be regulated under the Quarry Materials Act, 1998 and the Mining Act, 1999. Operations may include, but are not limited to, the removal of overburden material to expose sand and gravel deposits. Sand and gravel deposits will be excavated directly and processed. Processing includes screening, washing and stockpiling quarry materials using various types of equipment such as excavators and front-end loaders. Various sizes of dump trucks will be used for transportation to the market.

Activity at the site will likely be periodic from April to November annually. Quarries are inspected regularly by the Department of Natural Resources' Quarry Materials Compliance Officers to ensure compliance with the Quarry Materials Act, 1998 and Mining Act, 1999, and terms and conditions of the quarry permit/lease.

The life expectancy of the operation is estimated to be 5 – 15 years, but this estimate is largely dependent on the demand for quarry materials in the region. Operations will be conducted in a logical, staged sequence to streamline and minimize the cost of final rehabilitation. A rehabilitation plan will be developed to meet acceptable environmental standards at closeout in conjunction with the regulatory authorities having jurisdiction.

#### **4.5 Potential Sources of Pollution**

Possible sources of pollutants include noise, airborne emissions and possible fuel or oil spills.

- During development, as quarry material is excavated and moved from the site, there is potential for off-site drainage. Sedimentation control structures (e.g., silt fences, ditches, rock check dams, etc.) will be installed where recommended by appropriate departments through the Department of Natural Resources' quarry permit referral process. Any off-site runoff will be directed to vegetated areas to prevent siltation of waterbodies.
- Domestic waste generated will be collected and disposed of as per the Waste Management Regulations, 2003.
- All equipment on site will be furnished with appropriate emission and noise control devices and all vehicles will be properly maintained to minimize noise and exhaust.
- Petroleum products will be handled and stored as per Storage and Handling of Gasoline and Associated Products Regulations, 2003 and associated products regulations, under the Environmental Protection Act SNL 2002.

**4.6 Potential Resource Conflicts during Operation**

- This area is likely used by locals for recreational purposes such as hiking, hunting, fishing, etc. Exploits Welding and Machine Shop will post notices on trails and roads to indicate quarry operations and will utilize protective berms and gates where appropriate in order to control access.

**4.7 Occupations**

Occupations at the site will include the following:

- 1 - Heavy Equipment Operators (e.g., excavator, loader operator) (7421)
- 1 - Dump truck drivers (7411)

**4.8 Project Related Documents**

There are no project related documents.

**5.0 APPROVAL OF THE UNDERTAKING**

Approval Required	Issuing Authority
Quarry Permit	Mineral Lands Division, Department of Natural Resources



## 6.0 SCHEDULE

The earliest start date of this undertaking is June of 2023 should all the regulatory approvals be in place. Once development has begun it will continue on an annual basis between April and December of each year and in accordance with the demands of the construction industry.

### Summary

Registration Document Submission	May 2023
Government Review and Decision	TBD
Construction/Operations	May 2023 / December 2023

## 7.0 FUNDING

The funding for this project will be provided entirely by Exploits Welding and Machine Shop and totals approximately \$50,000.

## 8.0 SUBMISSION

May 26, 2023  
Date

**Name: Ed Stuckless:**  
*President and CEO – Exploits  
Welding and Machine Shop.*



# APPENDIX A



Figure 2: Overview of the Project Location





Quarry Site

1.75 Km

Town of Badger Limit

Irving Oil  
370

Badger

Three Rivers  
Country Kitchen  
Temporarily closed

Google

























