
Sparkes

Sparkes Trucking Limited

May 22, 2018

Minister of Municipal Affairs and Environment
Department of Municipal Affairs and Environment
4th Floor, West Block
Confederation Building
P.O Box 8700
St. John's, NL
A1B 4J6

Re: Environment Assessment Registration – Sand Quarry Extension – Piper's Hole – File Ref No. 71112265

Dear Minister,

Enclosed, please find 10 copies as well as a digital copy for Sparkes Trucking Limited environmental assessment registration for the proposed Sand Quarry Extension – Piper's Hole – File Ref No. 71112265 and a cheque in the amount of \$460.00.

Should you have any questions, please contact me at (709) 683-2096 or by e-mail rodsarkes@hotmail.com

Sincerely,

Rodney Sparkes
Owner, Operator
Sparkes Trucking Limited

**ENVIRONMENTAL ASSESSMENT
REGISTRATION DOCUMENT**

Sparkes Trucking Limited

Proposed Sand Quarry Operation – Piper’s Hole

(Near Swift Current)

File Reference No. 71112265

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1.0 NAME OF THE UNDERTAKING

Piper's Hole Sand Quarry Extension

2.0 PROPONENT

2.1 Name of Corporate Body

Sparkes Trucking Limited

2.2 Address

P.O BOX 629
Bay Roberts, NL
A0A 1G0

2.3 Chief Executive Officer

Rodney Sparkes, President
P.O Box 629
Bay Roberts, NL
A0A 1G0

2.4 Principal Contact Person

Rodney Sparkes, President
P.O BOX 629
Bay Roberts, NL
A0A 1G0

3.0 THE UNDERTAKING

3.1 Name of the Undertaking

Piper's Hole Sand Quarry Extension

3.2 Purpose/Rationale/Need for the Undertaking

The purpose of this project is to develop additional sand and gravel quarry resources for supplying materials to clients such as the Department of Works, Services and Transportation, independent Contractors in the construction industry and the general public.

4.0 DESCRIPTION OF THE UNDERTAKING

4.1 Geographic Location

The proposed undertaking is located approximately 5.7 Km west of the community of Swift Current, off the Burin Peninsula Highway (Route 210). 1.51 Km East of Piper's Hole River Bridge, Southside. (See Figure 1)

Figure 1

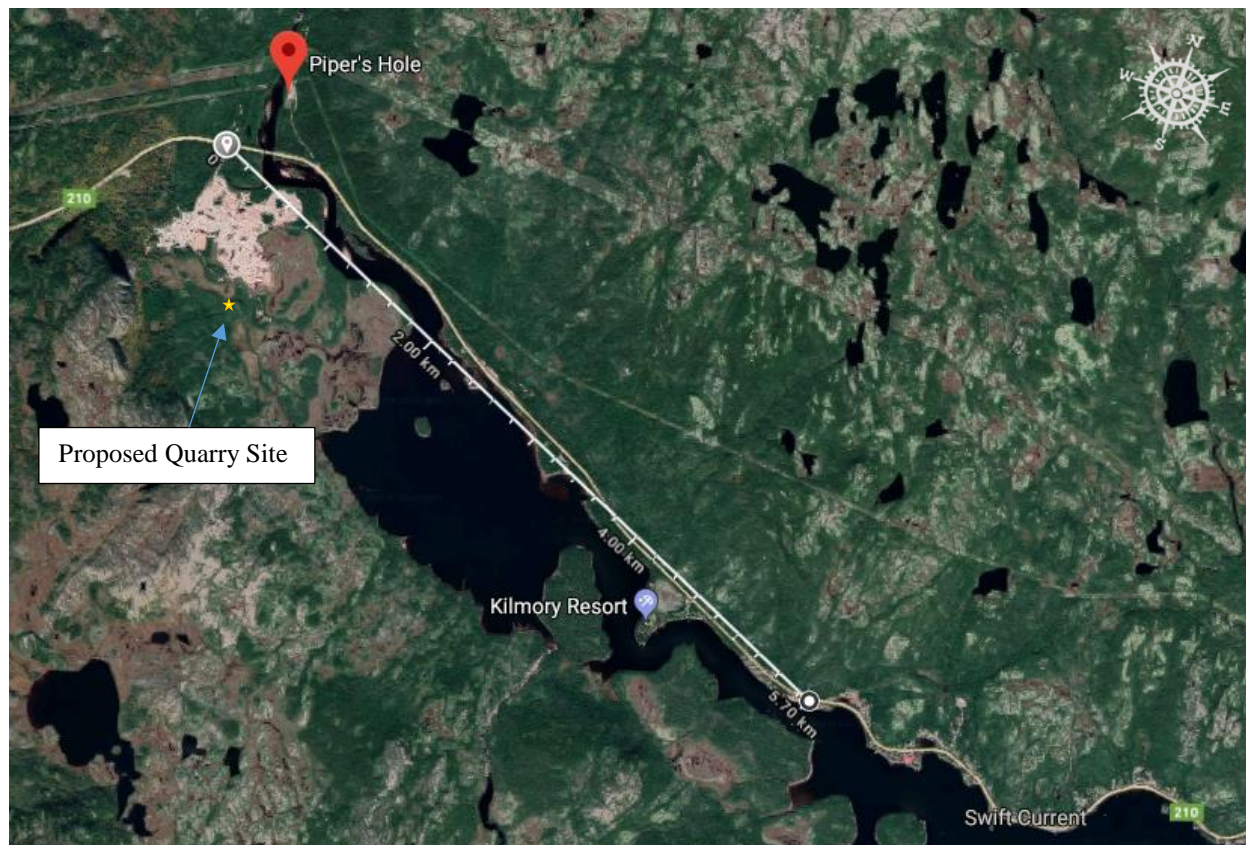


Figure 2 shows the exact location of the proposed quarry and the existing boundary coordinates at Pipers Hole location. Refer to map sheet, Sound Island 1 m/16, Zone 21.

Figure 2



Rodney Sparkes
 File No. 711:8636 (14.6 ha)
 Existing Boundary
 UTM NAD 27, Zone 21 Coordinates:

File ref: 71112265 (3 Ha)
 Extended Boundary
 UTM NAD 27, Zone 21 Coordinates:

| | | |
|----|------------|--------------|
| 1. | 703,258 mE | 5,310,144 mN |
| 2. | 703,355 mE | 5,310,060 mN |
| 3. | 703,506 mE | 5,310,235 mN |
| 4. | 703,754 mE | 5,310,004 mN |
| 5. | 703,401 mE | 5,309,734 mN |
| 6. | 703,176 mE | 5,309,966 mN |

| | | |
|----|------------|--------------|
| 6. | 703,176 mE | 5,309,966 mN |
| 7. | 703,018 mE | 5,309,825 mN |
| 8. | 703,076 mE | 5,309,754 mN |
| 9. | 703,288 mE | 5,309,829 mN |

4.2 Physical Features

- (i) The Proposed undertaken will adjoin the proponents existing quarry in the same area and will function as the extension to that quarry.
- (ii) The physical condition of the proposed 3 hectare area is general forest cover with an increase in elevation from North to South. There are no known water courses or wetlands in the proposed quarry area. The quarry is in an area that is underlain by granite bedrock of the Swift Current intrusive site and has surficial soils consisting of glaciofluvial gravel and sand containing less than 2% silt and clay.
- (iii) There are no transmission lines or other public infrastructure currently existing in the area of the proposed undertaking.
- (iv) Typical wildlife found in the area include Black Bears, Moose, Lynx, Snowshoe Hare, Coyotes, Mink, and Foxes.

4.3 Construction

- (i) Access to the area will be via an existing road that exists off Route 210 to the East, just pass Piper's Hole River Bridge. No access road development will be required other than to continue developing the quarry through the proponents existing pit.
- (ii) No buildings will be erected on the proposed quarry property.
- (iii) Clearing of woodland will be carried out in a manner that salvages any merchantable timber encountered.
- (iv) Grubbing overlying organic material and topsoil will be excavated and stockpiled near the perimeter of the site for subsequent reuse in rehabilitating the area once the sand deposits has been mined out.
- (v) Only sufficient clearing, grubbing, and sand will be removed at any given time to meet the near term needs of the quarry operation.

4.4 Operation

- (i) Development of the quarry will begin with the clearing of woodland areas, marketable timber will be salvaged. Next will be the removal of over burden to expose sand deposits, over burden will be stockpiled for future reclamation.
- (ii) Sand will be then processed by use of excavator, loader, and screener. Products will be stockpiled on site and ready for transport by truck to customers.
- (iii) The estimated time of start-up will be May going into November of each year.

4.5 Potential Sources of Pollution during Operation

This will include noise, air emissions from equipment, waste and litter from human activities, release of sediment due to site drainage occurrences and accidental release of hydrocarbons from heavy equipment or refueling activities.

- (i) All equipment to be fitted with mufflers and emission controls meeting to the Provincial regulation requirements.
- (ii) All equipment to follow designated project routes.
- (iii) Dust control measures, such as water application, will be provided if needed.
- (iv) Domestic waste will be collected and disposed of in accordance with Provincial Waste Management regulations.
- (v) Site runoff is expected to be minimal, sand deposits are only 1-2% silt and operations are usually carried out in summer months when precipitation is low and dry. Excavated areas will be graded towards low point in quarry and filter fabric will be installed across any drainage routes if needed. Only areas needed for production will be exposed at any given time.
- (vi) No fuel is to be stored at quarry site.
- (vii) Emergency response oil kits will be maintained on site.
- (viii) Maintenance and servicing of equipment will be conducted offsite.

4.5 Potential Resource Conflicts

The proposed quarry extension site is located in the area of a Salmon River, which could be impacted by the excess sediment run off. Piper's Hole River is located 735 Meters from the quarry extension but with proper environmental protection measures designed to prevent such releases, it is not anticipated that the quarry operation will not have any impact on the river (See Figure 3). Preventive measures to be employed will include the following:

Figure 3



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- (i) Over land flow from outside the quarry site is not expected, but if it is encountered, it will be controlled by securing the perimeter of the site in the affected area and using filter fabric to prevent migration of sediment.
 - (ii) Drainage within the quarry will be controlled by grading all excavation areas toward the low point of the existing quarry.
 - (iii) Erosion will be controlled by clearing only sufficient land to meet marketplace demands.
 - (iv) No fuel will be stored on site.
 - (v) Waste materials will be taken away on a daily basis.
 - (vi) Spill kits will be maintained on the site.

4.6 Decommissioning/Rehabilitation

Upon completion of quarry operations, site rehabilitation shall be carried out in accordance with the following:

- (i) All pit slopes will be graded
- (ii) All organic overburden that was removed and stored on site will be reinstalled over disturbed surfaces.

4.7 Occupations

The site construction and operation for the proposed quarry will include the following occupations, in accordance with the National Occupational Classification 2016:

- (i) Construction:
 - 1 Site Foreman/Supervisor (7302)
 - 1 Heavy Equipment Operator – Loader / Excavator (7521)

- (ii) Operation:
 - 1 Site Foreman/Supervisor (7302)
 - 1 Heavy Equipment Operator – Loader, Excavator, Screener (7521)
 - 3 Transport Truck Drivers (7511)

4.8 Hiring Practices

All work to be carried out by direct hiring, using the proponents own employees, age and gender not being a factor. No contracting out is anticipated.

4.9 Project Related Documents

One permit has been applied for from the Department of Natural Resources for the undertaking as described in File Reference: 71112265.

5.0 APPROVAL OF THE UNDERTAKING

The application for the undertaking has been referred to the following authorities:

- (i) Works, Services, and Transportation – Clarenville
- (ii) Government Service Centre – Clarenville
- (iii) Water Resources Division – St. John’s
- (iv) Crown lands Clarenville
- (v) Inland Fish & Wildlife – Department of Environment and Climate Change
- (vi) Forestry – Unit 2 & 3, Clarenville Department of Natural Resources
- (vii) Environmental Assessment Division
- (viii) Department of Municipal & Government Affairs – Prov. Planning.
- (ix) Department of Natural Resources – Andrea Devercaux
- (x) Development and Tourism – St. John’s

6.0 SCHEDULE

Initial development of the site is dependent on the proponent being awarded sand contracts, with the earliest being the summer of 2018.

7.0 FUNDING

This project is funded entirely by the proponent. No external funding will be required.

8.0 SUBMISSION

Date

Signature of Chief
Executive Officer