

Environmental Registration – File 200.20.2539

Name of Undertaking: Peterview Gravel Quarry

Proponent:

- i) Name: D. Byrne & Sons Ltd.
- ii) Address: P.O. Box 383, Botwood, NL, A0H 1E0
- iii) CEO:
 - a. Name: Peter Byrne
 - b. Official Title: Owner/Manager
 - c. Address: P.O. Box 234, Botwood, NL, A0H 1E0
 - d. Telephone No: (709)486-2327 (Cell)
- iv) Principal contact person for purposes of environmental assessment:
 - a. Name: As above

The Undertaking:

- i) Nature of the Undertaking: Aggregate Quarry (rock, sand, gravel)
- ii) Purpose of Undertaking: Supplying aggregate to Botwood and surrounding area
- iii) The project will involve quarry construction and operation for 2 parcels under application #s 134870 (11.43 hectares) mineral application # 71111777 and 134527 (4.3 hectares) mineral land application # 71111471.

Description of the Undertaking:

- i) Geographical Location:
 - a. Approximately 2 km from Peterview along Route 350 (Botwood Highway), screened by trees. The proposed quarry site totals 15.73 ha. To the west of proposed quarry are two existing quarries, 5 ha each; Permit #71110440 and 71110441. A forest access road is to the north; Peter's River and Route 350 are southeast.
 - b. Coordinates:

UTM NAD 83 ZONE 21

	NORTHING	EASTING
5	5440717.157	616893.280
6	5440761.820	616921.457
8	5440532.493	617057.338
10	5440245.721	616714.576
11	5440972.233	617439.489
12	5440320.910	617072.420
13	5440849.290	617370.200
14	5440564.570	617209.740
26	5440637.000	617194.000
27	5440773.000	617195.000
28	5440847.000	617259.000

- c. Maps Attached: One UTM NAD 83 ZONE 21 topo map showing greater detail of surrounding area.
 - d. Potential sources of pollutants would include fuel spills, brake line ruptures, air emissions from exhausts, and noise pollution from the crushing spread. If pollution occurs, the first response is to locate and stop the source. Call Dept. of Environment and start clean-up. All equipment on site will house spill kits. To prevent spills from happening, fuels and contaminants will not be stored on site. Preventative maintenance will also be in place.
- ii) Physical Features:
- a. The proposed quarry will not involve any large structures to be placed on site – a portable crushing spread would be placed on site which may include portable trailers such as a spare parts and control trailer. There will not be any need for new roads, as access to the site already exits off Route 350 which is adjacent to the site. There would be no fuel stored in bulk on site; nor would there be any drilling, blasting, or washing of any aggregate.
 - b. The greater area surrounding this operation is known as the North-Central Sub-region. It is the second largest ecoregion and characterized by a continental climate, boreal forests, domed bogs, and rolling hills. In terms of vegetation, dwarf-shrubs, black and white spruce, balsam fir, and trembling aspen are common. In terms of wildlife, moose, snowshoe hare, muskrat, black bear, beaver, mink, and lynx are known to inhabit this area. The rivers in this region support Atlantic salmon, brook trout, stickleback, rainbow smelt, American eel, arctic char, and the unusual sea lamprey. There are few amphibians living in this area – the introduced green frog inhabits ponds and marshes in the area, although their numbers are few. Birds include gray jay, ruffed grouse, osprey, horned owl, hawk, siskin, crossbill, chickadee, American black duck, Canada goose, various thrushes and warblers, crow, robin, and herring gull.
- iii) Construction:
- a. 4 hectares of wood fibre will be cut off in the first year.
 - b. Material grubbed and overburden will be stockpiled on boundaries for rehabilitation.
 - c. After the first year, more land will be grubbed and cleared as needed.
- iv) Operation:
- a. The operation would consist of the crushing and screening of the aggregate with the purpose of supplying the local aggregate market.
 - b. Period of Operation: May to November
 - c. There will be no pollutants as a result of this operation, given the fact only crushing and screening is involved.
 - d. 1000 to 2000 cubic meters estimated to be quarried per year.
 - e. Expected quarry life will be 15 years.
- v) Occupations:
- a. Number of Employees: 6 full time employed during period of operation.
 - b. All six employees would be classified as heavy equipment operators NOC 7521.
 - c. Outsourced Work – N/A
- vi) Project Related Documents: N/A

Approval of the Undertaking:

- i) Quarry Permit – Issued by Provincial Department of Natural Resources
- ii) Forestry Permit
- iii) Cutting Permit

Schedule:

- i) This project would be weather-dependent with crushing/screening able to start after the ground thaws in the spring and continue to November.

March 30, 2017

Date

Peter Byrne