

Department of Environment and Conservation

March 7, 2013

PO Box 8700

St Johns, NL A1B 4J6

Re: File Reference No. 200.20.2157 Environmental Assessment Report Document

Attn: Mr. Basil Cleary

Dear Mr. Cleary,

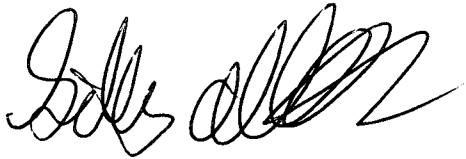
Please find attached the Document referenced above, concerning a proposed sand quarry located in Labrador West by Allard Distributing of Labrador City.

Attached are 10 copies and one CD for the proposed site. Also attached is a cheque for \$226.00 as required by your department regulations.

Please advise if this document is acceptable or if additional information is required.

Regards

Gilles Allard, President

A handwritten signature in black ink, appearing to read 'Gilles Allard', with a stylized flourish at the end.

**Allard Distributing Ltd**

**PO Box 421**

**Labrador City, NL**

**A2V 2K7**

**ENVIRONMENTAL ASSESSMENT  
REGISTRATION DOCUMENT**

**Proposed Sand Quarry Extension  
Labrador West**

**Prepared by;**

**Ed Montague, P.Geo**

**for**

**Allard Distributing Ltd**

**Labrador City, NL**

**March 7, 2013**

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**1.0 Name of the Undertaking:** Hugette Lake Sand Quarry  
Extension

**2.0 Proponent: Allard Distributing Ltd**

**Address:** P.O. Box 421  
Labrador City, NL  
A2V 2K7

**President:** Gilles Allard (709) 944-5144

**Field Supervisor:** Murdock Letto (709) 280-1765

**Contact Person:** Gilles Allard (709) 944-5144

### **3.0 The Undertaking**

#### **a) Nature of the Undertaking**

The proposed project involves the development of an extension of an existing sand quarry site, approximately 2 km north of km 0.5 on Route 500 (Trans Labrador Highway). The site is accessed via the Trans Labrador Highway and an existing, well maintained gravel access road. The proponent proposes to develop the area as an open pit operation to produce sand material for general construction work in Western Labrador.

#### **b) Purpose/Rationale/Need for the Undertaking**

The purpose of this project is to produce a product for future use as raw material for construction, mining and commercial use in Labrador West. With the expansion of mining operations in Labrador City and the opening of new mines in the area, a significant demand for an increase in production of this material is anticipated. The proponent has title to the area adjoining the proposed extension of the quarry site but this deposit is nearly exhausted.

## **4.0 Description of the Undertaking**

### **Geographic Location**

The project is located on an esker/outwash deposit 2 km north of km 0.5 on Route 500 and adjacent to the Quebec border where other contractors are producing a similar granular product. As noted previously, the area is 28 km west of Labrador City, the site of the mining operations of Rio Tinto Iron Ore (IOCC) and Wabush Mines. It is also approximately 10 km east of the new mining area of Bloom Lake in nearby Quebec. Alderon's "Kami" project is also nearby.

### **Physical Features**

#### **Project Site Description:**

The principal feature of the site is a very prominent shrub covered esker and outwash deposit that consists of an elongated ridge of natural sand with minor gravel which is the remnant of an ancient river bed derived from glacial melt water. Processing of the material will be limited to excavation and screening. There will be no blasting involved. The quarry boundaries are sited to ensure a 50 meter buffer zone from the existing access road. Due to the porous quality of the esker, all water is filtered during rainfall runoff.

#### **Existing Biophysical Environment**

The proposed site is located in an area of scrub vegetation, scattered black spruce trees and interspersed with occasional marshy areas. The only water body of note within 15 km of the site is Hugette Lake, some 2 km north east of the site. Most of the summits of the surrounding ridges are barren due to the harsh winter climate which has short warm summers and cold winters which lasts from October to April. Summer temperatures can reach 30 degrees while winter daytime temperatures average around minus 20 during December, January and February. The colder temperatures in this area as compared to Goose Bay near sea level is due to the higher elevations and the prevailing northwest winds that flow in from Ungava Bay.

## **Vegetation**

The area of the proposed quarry is sparsely wooded with dwarf black spruce and occasional small ponds and Hugette Lake with an area of approximately 3 square km. Shrub growth on the esker itself is sparse and covered with caribou moss which is typical for this region. The only water course in the vicinity is the creek that drains Hugette Lake. No discoloration or contamination is noted as the creek is nearly a kilometer distant.

## **Inland Fish**

The creeks flowing in and out of Hugette Lake has occasional pan fry trout and the occasional lake trout in the deeper water. Very few, if any, local fishermen visit the area.

## **Wildlife**

Occasional black bears roam the region but are not overly abundant. The George River caribou used to migrate further to the east but are not abundant in recent years. There are the usual population of foxes and martens that are trapped by local hunters.

## **Construction**

The construction phase of site development will consist of clearing and grubbing of the top vegetative layer from the esker and preparing the site for operations.

## **Clearing and Grubbing**

Any merchantable timber removed during quarry development will be salvaged but this is expected to be minimal. There is no topsoil on the esker except caribou moss.

## **Site Development**

The proposed quarry site covers a total of 3.0 hectares. Initial construction activities will involve the removal of vegetative cover as described to advance the working face. Surficial organics consists of the non-commercial caribou moss.

## **5.0 Potential Sources of Pollution During Construction**

The construction phase of the development will consist of earth moving activities. The potential sources of pollution include site drainage, noise, air emissions, waste and litter and potential release of hydrocarbons.

Site runoff will be directed to the lower vegetative areas which will filter suspended solids. In addition, barriers will be installed as required to prevent siltation of any nearby water bodies/streams.

Domestic waste generated during construction and operations will be collected and disposed of at the Labrador West Landfill Site as per the Waste Materials Disposal Act.

All equipment will have appropriate emission controls. All vehicles will follow a designated project route and will be properly maintained to minimize noise. All vehicles will have exhaust systems regularly inspected and mufflers operating properly. There is a government inspector in the area that makes regular spot checks on heavy equipment.

Petroleum products will not be stored on site during construction; petroleum products will be handled as per Storage and Handling of Gasoline and Associated Products Regulations under the Environmental Protection Act.

## **6.0 Operations**

Typical excavation methods will be employed to collect the commercial sand material at the proposed site. The operation will include the excavation and loading of the native sand at the working face of the quarry, screening, and transportation of this material for use off-site in Labrador West. Waste and oversized rock, if any, will also be stockpiled for further use.

Appropriate ditching will be maintained on site to ensure silt and general site runoff is controlled and does not adversely affect the surrounding environment. In addition, perimeter ditching and settling basins, as required, will be located to prevent migration of surface water drainage from non-operating areas. The ground and facilities will be maintained according to health and safety concerns.

Equipment on site will include the following:

- Excavator (access road construction and loading at the working face)
- Tandem dump trucks (material transportation)
- Front end loader (material handling)
- Mobile screener

The quarry operation will typically run from May to October and in accordance with demand for the product. The quarry will potentially operate for five years.

## **7.0 Termination of Operations**

Site rehabilitation shall be in accordance with standard quarry operations. Upon completion of quarry activities, all slopes shall be graded to 30 degrees and the remaining areas will be graded to a level surface or as directed by a government quarry inspector from Natural Resources.

## **8.0 Occupations**

Site construction and operations for the proposed quarry will include the following occupations classified as per National Occupation Classification, 2006

### **Construction Phase**

- 1 Site Foreman/Supervisor (7217)
- 2 Heavy Equipment Operator (7421)

### **Operations phase**

- 1 Quarry Manager (0811) (part time)
- 1 Quarry Foreman/Supervisor (8221)
- 3 Heavy Equipment Operators – 2 front end loader, 1 screener (7412)



3 Truck Drivers (7411)

1 Heavy Equipment Mechanics (7312) – located offsite

## **9.0 Project Related Documents**

There are no project related documents.

## **10.0 Approval of the undertaking**

- Environmental Protection Act – Assessment Regulations: Permit to Proceed
- Quarry Materials Act and Quarry Minerals Regulations: Quarry permit

## **11.0 Schedule**

Registration Document Submission - March 2013

Government Review and Decision - April 2013

Access Road Upgrades - May 2013

Pit Operations - May 2013

## **12.0 Funding**

The funding for the project will be provided by Allard Distributing Ltd.

## **13.0 Submission**

March 12/13

**Date**

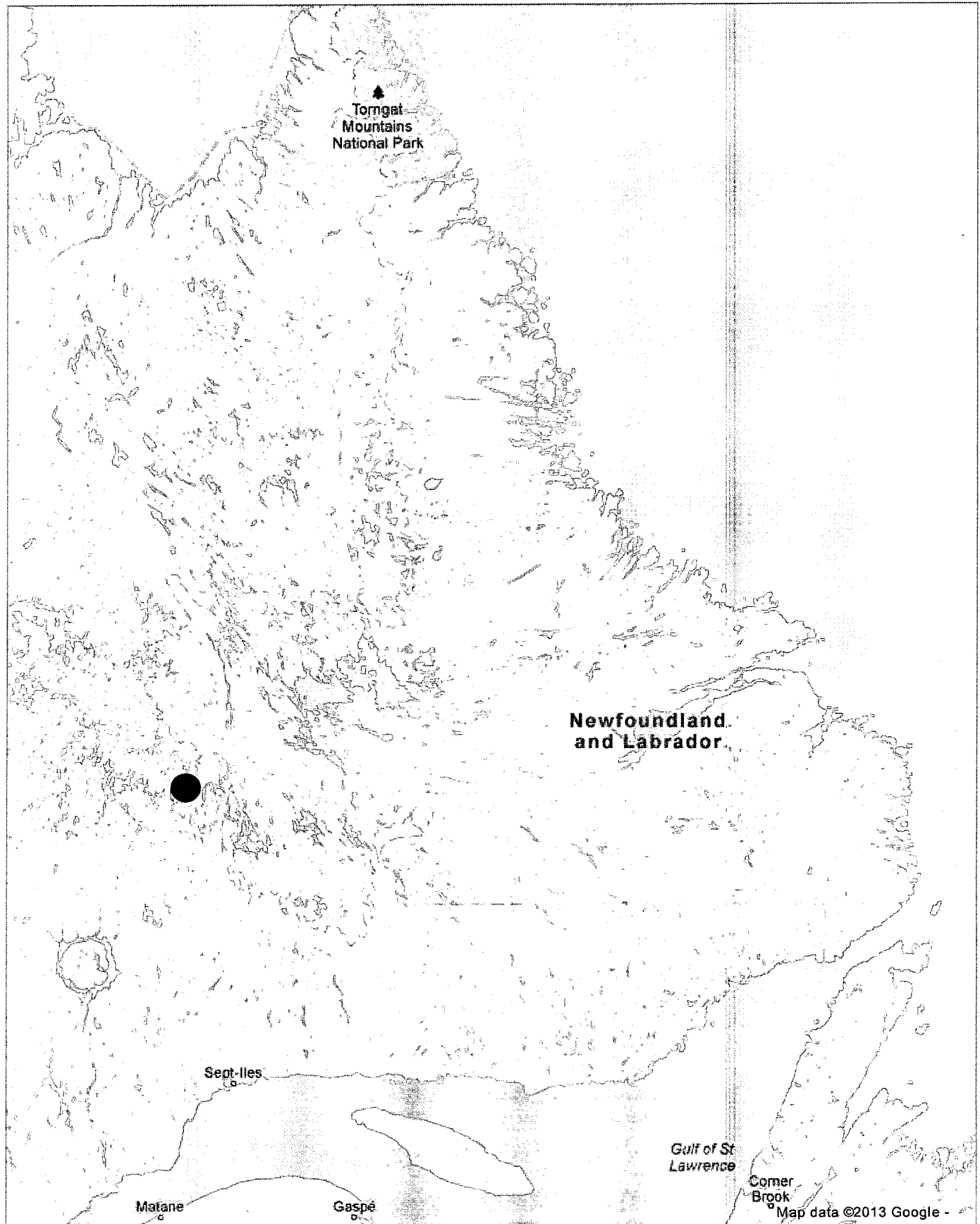
Gilles Allard

**Name: Gilles Allard, President**

# Google

To see all the details that are visible on the screen, use the Print link next to the map.

FIGURE - 1



To see all the details that are visible on the screen, use the **Print** link next to the map.

Google

FIGURE - 2

