

QUARRY LEASE QUESTIONNAIRE

The information you are providing will only be used for the purpose for which it has been provided.

Instructions:

- Please type or print clearly
- Mail completed form
- Use additional sheets if necessary

1. I/We _____

hereby make application for a QUARRY LEASE pursuant to QUARRY PERMIT NO. _____
under the terms and conditions of the QUARRY MATERIALS ACT 1998, SNL1998.

Company represented _____

Position in Company _____

Address of Company (applicant if no company involved)

Postal Code: _____ Telephone No. _____

Lease to be issued to: _____

2. This lease is for the purpose of removing: (please tick appropriate spaces)

- | | |
|---|--|
| <input type="checkbox"/> Rock | <input type="checkbox"/> Topsoil |
| <input type="checkbox"/> Sand | <input type="checkbox"/> Fuel Peat |
| <input type="checkbox"/> Gravel | <input type="checkbox"/> Horticultural Peat |
| <input type="checkbox"/> Borrow, fill or ballast material | <input type="checkbox"/> Other (specify) _____ |

3. The operation will involve: (please tick appropriate spaces)

- | | |
|---|--|
| <input type="checkbox"/> Drilling & Blasting | <input type="checkbox"/> Washing |
| <input type="checkbox"/> Ripping | <input type="checkbox"/> Screening |
| <input type="checkbox"/> Pit Run Removal | <input type="checkbox"/> Other (specify) _____ |
| <input type="checkbox"/> Crushing & Screening | _____ |

4. Quarry material is for direct sale from stockpile or pit face as: (please tick appropriate spaces)

- | | |
|---|--|
| <input type="checkbox"/> Class A. aggregate | <input type="checkbox"/> Rip Rap material |
| <input type="checkbox"/> Class B. aggregate | <input type="checkbox"/> Topsoil |
| <input type="checkbox"/> Mixed unclassified aggregate | <input type="checkbox"/> Fuel Peat |
| <input type="checkbox"/> Sand | <input type="checkbox"/> Horticultural peat |
| <input type="checkbox"/> Fill or ballast | <input type="checkbox"/> Other (specify) _____ |

5. Secondary processing and manufacturing operations on site will be:

- () Ready Mix concrete
- () Asphalt plant
- () Cement plant
- () Brick manufacture
- () Other (specify) _____

6.0. Is the sale of material dependent upon: (please tick appropriate spaces)

(a) () Contract; Specify:

Company or department: _____

Address: _____

Contact Number: _____

or

(b) () Local demand (specify area) _____

(c) () Regional demand outside local district (specify) _____

or

(d) () Other (specify) _____

7.0. Historical information:

7.1 Number of quarry permits previously or currently held by the applicant on this site, and the annual production obtained.

<u>Quarry Permit#</u>	<u>Year</u>	<u>Type of Material</u>	<u>Production (state units)</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

7.2 Estimated amount of topsoil and/or organics (tonnes or m³) stockpiled at site, if none indicate reasons:

8.0 Resource assessment and documentation.

8.1 Details of exploration work undertaken to assess the reserves detailed in 9. (attach copies of geotechnical or engineering reports and maps)

Boring or Drilling	Trenches		Testpits			Total Cost
	# of Holes	Av. Depth	# of Holes	Av. Depth	# of Holes	
Prior to quarry permit	_____	_____	_____	_____	_____	_____
Exploration permit date:		_____		_____		_____
		Y		M		D
During quarry permit tenure	_____	_____	_____	_____	_____	_____
Q.P. #	_____					

8.2 Name of company and supervisor conducting exploration program

8.3 Exploration program(s) proposed during tenure of Quarry Lease

9.0 Summary of Reserve Materials

	Average Thickness (m)	Calculated Reserves (specify tonnes or m ³)	Estimated Production/yr	Estimated Life
Rock in place	_____	_____	_____	_____
Broken rock	_____	_____	_____	_____
Sand & gravel material	_____	_____	_____	_____
Sand	_____	_____	_____	_____
Fill or borrow	_____	_____	_____	_____
Topsoil	_____	_____	_____	_____
Horticultural Peat	_____	_____	_____	_____
Fuel Peat	_____	_____	_____	_____
Other Material (specify)	_____	_____	_____	_____

10.0 Development Proposal

The issuance of a QUARRY LEASE will be subject to the submission of acceptable development proposals, which shall consist of the following maps and plans, using the prescribed scales as applicable and accompanied by descriptive texts, as directed below:

10.1 Location Map (no descriptive text required)

Whole or part of an NTS Sheet (1:50,000 Scale) indicating the location of the area under application.

10.2 Surrounding Landuse Map

10.2.1 An airphoto enlargement (approx. scale 1:2500) on a transparent film (not a sepia) is to be submitted showing the surrounding land use extending at least 300 m beyond each boundary line.

10.2.2 The following major features to be outlined and labelled on this plan would include but not be limited to:

Heavily and lightly wooded areas	roads, trails, etc.
Water bodies and water courses	bridges, culverts
Existing pits and quarries	buildings and other structures
Other land uses - specify	utilities (hydro & telephone)
Water mains or sewers - specify	

10.3 Boundary Survey

This application must be accompanied by a legal survey and a copy of the original survey field notes.

10.4 Plans of Existing Site

10.4.1 A plan on a transparent film, (not a sepia) or computer digital files and description (scale 1:500), prepared by a registered professional acceptable to the Manager, Quarry Materials Administration, is to be completed for the area specified in the quarry lease application.

10.4.2 The location of all corner posts boundary lines and line marker post (at 50 m intervals), with coordinates referred to a suitable fixed local datum or the 3 degree Transverse Mercator Projection System, as advised by the Manager, Quarry Material Administration, shall also appear on the plan.

10.4.3 The plan shall also include the elevations, referenced to a suitable datum, of the following:
(i) all corner posts (ii) all line marker posts

10.4.4 Contours, referenced to the above mentioned datum, at 2 m intervals in areas which are deemed to be lightly wooded and spot heights, referenced to the same datum, in areas which are deemed to be heavily wooded shall also form part of the plan of the existing site.

10.4.5 This plan shall also indicate the existing features of the area and would include but not be limited to:

Heavily or lightly wooded areas	roads, trails, etc.
Water bodies and water courses	bridges, culverts
Existing pits and quarries	utilities (hydro & telephone)
Other land uses (specify)	watermain or sewers - specify

10.5 Development Plans and Program

The development plans together with the preceding information shall form part of the basis of acceptance or refusal of any quarry lease development proposal. Therefore it is to the advantage of the applicant to ensure that they contain as much data and information as possible, particularly in regards to the development and the measures the applicant propose to take to mitigate against possible impacts of the development i.e. prevention of pollution, noise and dust disturbances to nearby land uses and the reclamation of the disturbed land area during the period of the operation i.e. progressive rehabilitation of depleted quarry areas.

10.5.1 The various phases of the quarry development taking into account the annual rate of production and the life expectancy of the quarry operation and incorporating as much data and information as possible, shall be indicated on one or more plans (scale 1:500) and supported by a descriptive text.

Example:

Phase 1 - Beginning to end of year 1 of operation
 Phase 2 - Operation years 2 to 5
 Phase 3 - Operation years 6 - 10
 Phase 4 - Operations beyond 10 years.

10.5.2 In addition, the development plan(s) shall indicate the various locations or outlines indicate the various locations or outlines of working faces, benches, dumps, bush clearing, stripping areas, streams and ponds, settling ponds, stockpiles, the location of plant, quarry or access roads, equipment workshop or storage areas, office and parking, electrical installations, weigh scales, explosive magazines, buildings topsoil stockpiles, areas of reclamation, berms and tree screens etc. during each successive phase of the operation.

10.5.3 The descriptive text would describe:

- (a) Any of the above which could not be shown on the site map.
- (b) The methods of mining, processing and secondary processing (if applicable). A listing of equipment must be included.
- (c) Rate of production estimates, monthly and annually.
- (d) Manpower requirements.
- (e) The methods of clear cutting, stripping, topsoil clearing and the proposed methods of stockpiling and preservations of topsoil materials and the disposal or disposition of any waste quarry materials.

10.6 **Post-Development Plan**

This map (scale 1:500) together with the descriptive text to accompany it shall describe in detail the proposed appearance of the site after the completion of quarry working together with a description of a proposed final land-use. The steps taken progressively throughout the development to reclaim the quarried areas to this designated land use shall be compatible with the surrounding land use or those that may be designated on any municipal or regional land use plans.

The plan (scale 1:500) shall show the following:

- 10.6.1 Corner posts, boundary lines and line marker posts, the elevation of the corner posts and marker posts, any spot heights of points determined in any of the above plans that will be undisturbed by the quarry development, the elevation of the normal level of any water bodies on the site plus depth of water.
- 10.6.2 Proposed contours at 2 m intervals in all quarried or disturbed areas as referenced to the original "Plan of the Existing Site".
- 10.6.3 The location of any or all of the following that will remain at the site:
 - Waterfilled areas (indicating depth of waters)
 - Streams buildings or other structures
 - Roads, trails, etc. utilities or services etc.
 - Bridges, culverts, etc.

11.0. I submit this application and plans having completed the questionnaire requirements to the best of my ability.

Signed (Applicant): _____

Date: _____

12.0. Attach maps and additional texts to the back of this application.

Completed Application Forms are to be mailed to:

**Mineral Lands Division
Department of Natural Resources
P.O. Box 8700
St. John's, NL
A1B 4J6**

Contacts:

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