

PEAT HARVESTING 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 PEAT PERMIT/LEASE pursuant to 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)

- () Horticultural Peat
 () Fuel Peat
 () Other (specify) _____

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

- () Ditching/Trenching () Settling Ponds
 () Road Construction () Stockpiling
 () Removal of surface vegetation () Other (specify) _____
 () Tree removal

4. Processing on site will involve:

- () Dry Harvesting () Mixing with other materials (specify) _____
 () Scarification
 () Extrusion
 () Milling () Briquette or pellet manufacture
 () Wet extraction methods (specify) _____
 () Chemical dewatering
 () Mechanical dewatering () Other (specify) _____
 () Shredding

8.2. Details of resource assessment undertaken to assess the reserves detailed in 9.
(Attach copies of reports and maps).

	<u>Probing</u>		<u>Trenches</u>		<u>Testpits</u>		<u>Total Cost</u>
	<u># of Probes</u>	<u>Avg. Depth</u>	<u>Total Length of Trenches</u>	<u>Avg. Depth</u>	<u># of Holes</u>	<u>Avg. Depth</u>	
Prior to Permit	_____	_____	_____	_____	_____	_____	_____
During Permit Tenure	_____	_____	_____	_____	_____	_____	_____
Q.P. #	_____						

8.3. Name of Company and supervisor conducting the above exploration program

8.4. Exploration program(s) proposed during tenure of Quarry Lease

9.0. Summary of reserve materials

	<u>Average Thickness (m)</u>	<u>Calculated Reserves (specify tonnes or m³)</u>	<u>Estimated Production/Yr.</u>	<u>Estimated Life of Deposit</u>
<u>either</u>				
Horticultural Peat	_____	_____	_____	_____
Fuel Peat	_____	_____	_____	_____
<u>or</u>				
Von Post 1-4	_____	_____	_____	_____
Von Post 5-7	_____	_____	_____	_____
Von Post 8-10	_____	_____	_____	_____
Other Material (specify)	_____	_____	_____	_____

10.0. Atmospheric Study

If the proposed development includes dry harvesting and since weather is an important factor in drying, it is essential that atmospheric monitoring be carried out prior to development. Give details and results of a study to indicate that the atmospheric conditions are appropriate for the proposed harvest methodologies at the site selected.

11.0. Development Proposal

The issuance of a PERMIT OR 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:

11.1. 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.

11.2. Surrounding Land Use Map

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

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

heavily & lightly wooded areas	roads, trails, etc.
water bodies & water courses	bridges, culverts
other land uses - specify	utilities (hydro & telephone)
water mains or sewers - specify	

11.3. Plan of Existing Site

11.3.1 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.

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

11.3.3 The plan shall also include the elevations, referenced to a suitable datum, of the following:

- (i) all corner posts
- (ii) all line marker posts

11.3.4 Contours, referenced to the above mentioned datumm, at 1 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.

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

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

11.4. Development Plans and Programs

The development plans together with the preceding information shall form part of the basis of acceptance or refusal of any 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 regard to the development and the measures the applicant proposes 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. rehabilitation of depleted or abandoned areas.

11.4.1 The various phases of the development taking into account the annual rate of production and the life expectancy of the operation and incorporating as much data and information as possible, shall be indicated on one or more plans (scale 1:1000) 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 to 10
 Phase 4 - Operations beyond 10 years

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

11.4.3 The descriptive text should describe:

- (a) Any of the above which could not be show in the site map.
- (b) The methods of harvesting, processing and secondary processing (if applicable). A listing and description of atmospheric monitoring and results must be included.
- (c) Rate of production estimates, monthly and annually.
- (d) Manpower requirements and a listing and description of equipment must be included.
- (e) The methods of harvesting, tree cutting, stripping, vegetation clearing and the proposed methods of disposal or disposition of any waste materials.
- (f) Progressive land restoration operations to be carried out during each phase, and upon expiry of permit\lease or abandonment of the area.

11.5. Post-Development Plan

This map (scale 1:1000) 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 abandoned 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 1:1000) shall show the following:

11.5.1 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 development, the elevation of the normal level of any water bodies on the site plus depth of water.

11.5.2 Proposed contours at 1 m intervals in all harvested or disturbed areas as referenced to the original "Plan of the Existing Site".

11.5.3 The location of any or all of the following that will remain at the site:

Ditches or trenches (indicate maximum & minimum water depths)

Waterfilled areas (indicating depth of waters)

Streams

Roads, trails, etc.

Bridges, culverts, etc.

Buildings or other structures

Utilities or services, etc.

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

Signed: (Applicant) _____

Date: _____

13.0. 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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