



**NOVA SCOTIA
DEPARTMENT
OF THE ENVIRONMENT
& LABOUR**

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Southern Stone.

To: *Mark Howe*

Date: *Jan. 25, 2002*

Fax #: *919-774-3510*

Pages: *7*, including this cover sheet.

From: *Danette Deveau, Clerk*

Subject: *Terms & Conditions - Rock Quarry Permit Approval*

COMMENTS:

*Standard conditions that
apply to any Rock Quarry;
such as Parker Mountain
Aggregates Ltd.*

Thank you.

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TERMS AND CONDITIONS OF APPROVAL
NOVA SCOTIA DEPARTMENT OF THE ENVIRONMENT

Project:

[REDACTED]

Approval No:

[REDACTED]

File No:

[REDACTED]

Conditions:

This application is recommended for approval subject to the following terms and conditions:

1. **Scope of Approval**

This approval relates to [REDACTED], hereafter called the "Approval holder" and their request to operate a rock quarry.

2. **General Terms and Conditions**

- a) The Approval holder shall conduct the rock quarry in accordance with provisions of the:
 - i) Environment Act, SNS 1994-95 C.1;
 - ii) Regulations pursuant to the above Act;
- b) The Minister reserves the right to modify, amend, or add terms and conditions to this Industrial Approval at any time provided that any modification, addition, or amendment is deemed necessary to ensure adequate environmental protection.
- c) This Industrial Approval is not transferrable without the written permission of the Minister.

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- d) If the Minister determines that there has been non-compliance with any or all of the terms and conditions provided in this Approval issued pursuant to Section 56(1) of the Environment Act, the Minister may in accordance with Section 58 (2)(b) cancel or suspend, the approval until such time as the Minister is satisfied that all terms and conditions have been met.
- e) The Approval holder shall notify the Nova Scotia Department of the Environment prior to any process changes or waste disposal practices not approved under authorization of this approval.
- f) The Approval holder shall bear all expenses incurred in carrying out the environmental monitoring required under the terms and conditions of this approval.
- g) The Approval holder shall develop the site in such a manner as to expose only the areas that are currently being used/excavated.
- h) The Approval holder shall ensure that this approval or a copy is held on-site at all times and that personnel directly involved in the project are made fully aware of the terms and conditions which pertain to this approval.
- i) The Approval holder will be required to register their project under Part IV of the Environment Act should the area exceed 4 hectares.
- j) The Approval holder shall submit a legal property boundary survey outlining the area of the site. This survey shall be submitted within two (2) calendar months from the date of issuance of the approval.

3. Particulate Emissions

- a) Particulate emissions shall not exceed the following limits at the site property boundaries:

Annual Geometric Mean	70ug/m3
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Daily Average (24 hrs)	120 ug/m3
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b) The generation of fugitive dust from the site will be suppressed by the application of water sprays, or the application of other suitable dust suppressants approved by the Department.

c) Site access road(s) shall be maintained to minimize dust generation. The use of waste oil is not permitted.

NOTE: Monitoring of Particulate Emissions shall be at the request of the Nova Scotia Department of the Environment Regional Office.*

4. Sound Levels

Sound levels measured at the property boundaries shall not exceed the following equivalent sound levels (leq):

Leq	65 dBA 0700-1900 hours (Days)
	60 dBA 1900-2300 hours (Evenings)
	55 dBA 2300-0700 hours (Night)

NOTE: Monitoring shall be at the request of the Nova Scotia Department of the Environment Regional Office.*

5. Surface Water

a) The site shall be maintained to prevent siltation of the surface water which is discharged from the property boundaries into the nearest watercourse. This includes the installation of soil erosion and sedimentation control designed to meet the specifications of this Department.

b) All erosion and sedimentation control devices shall be installed prior to any excavation of material.

c) If it becomes necessary to drain the pit workings, the wastewater shall be drained to settling ponds for appropriate treatment to meet the suspended solids limits outlined in condition 5 (d).

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- d) The Approval holder shall sample and ensure the following liquid effluent levels are met:

Final Effluent Discharge Limits

Parameters	Maximum in a Grab Sample	Monthly Arithmetic Mean	Monitoring Frequency
Total suspended solids	50 mg/l	25 mg/l	weekly
pH	5-9	6-9	weekly

- e) Non-compliance of the above final effluent discharge limits shall be immediately reported to the Nova Scotia Department of the Environment Regional Office.*
- f) Monitoring stations for liquid effluent shall be determined by the Nova Scotia Department of the Environment Regional Office* following a final inspection of the site.
- g) A monthly summary of results of monitoring shall be submitted to the Nova Scotia Department of the Environment Regional Office*.
- h) The Approval holder shall secure an approval amendment to conduct washing of aggregate on site.

6. Ground water

- a) The Approval holder shall replace, at their expense, any water supply which has been lost or damaged as a result of extracting aggregate.
- b) The Approval holder shall secure from the Minister an approval amendment prior to excavating below the watertable.

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7. Separation Distances

- a) The Approval holder shall maintain a 30 m (100 feet) separation distance from the excavation, to the road allowance of any common or public highway.
- b) The proponent shall not locate any buildings, product stockpiles, plant or structures within 30 m (100 feet) of the boundary of the pit/quarry property.
- c) The Approval holder shall maintain a 800 m (0.5 mile) separation distance from the working face of the pit, any building, product stockpiles, plants or structures to the nearest offsite structure.
- d) The Approval holder shall maintain a 30 m (100 feet) separation distance from the pit or quarry excavation and associated works from the bank top or high water mark of any surface watercourse.
- e) The Approval holder shall maintain a 15 m (50 feet) separation distance from the pit/quarry excavation to any other property boundary.

8. Reclamation

- a) The site shall be progressively reclaimed and rehabilitated where possible by grading, contouring and revegetating the disturbed land.
- b) The Approval holder shall submit a rehabilitation plan to the Nova Scotia Department of the Environment for approval .
- c) The Approval holder shall rehabilitate the site within six (6) months of abandonment and in accordance with the approved rehabilitation plan or other terms as specified by the department.
- d) The Approval holder shall post a security in a form acceptable to the Department in the amount of \$2,500.00 per acre of active pit area .
- e) The Nova Scotia Department of the Environment shall release the security to the Approval holder after rehabilitation of the active area has been completed to the satisfaction of the Minister of the Environment.

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- f) The Approval holder shall ensure that any security posted for rehabilitation be kept valid for the term of the approval.
- g) All top soil and overburden shall remain on site to be used in rehabilitation of the pit.
- b) The Nova Scotia Department of Environment Pit and Quarry Guidelines, revised May 1, 1988 shall be followed in the operation of this quarry.

9. Duration of Approval

This approval will expire ten years from the date of issue.

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