

P400027



# APPLICATION FOR APPROVAL

OFFICE USE ONLY		Application #
Date Rec'd (yyyy/mm/dd)	Ext. Ref. #	NSDOE File #
Total Fees Due	Fees Paid	Paid In Full <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Receipt #	Water Auth. # (Div. 1 only)	

LEASE PRINT OR TYPE. Complete Sections 1, 2, 3, 4 and 7 for ALL Applications. Complete areas of Sections 5 and 6 that are applicable to the specific activities of this application only.

Type of Application:

New Application       Renewal       Amendment        Transfer

If applicable, provide the previous Approval # \_\_\_\_\_

**DEPT. OF THE ENVIRONMENT**

2003-032388      MAR 03 2003

92100-30 SECTION 1 - OWNER - Lessee      YARMOUTH DISTRICT OFFICE

2,500.00

there is more than one owner, please indicate who will be the primary applicant for this project and attach a complete list of owners.

Company/Organization/Municipality Parker Mountain Aggregates Ltd. as Lessee

Business Number (BN) if applicable 101413847

Mr.  Ms.  Mrs.  Other: \_\_\_\_\_ Professional Designation \_\_\_\_\_

First Name \_\_\_\_\_ Middle Initial \_\_\_\_\_ Family Name \_\_\_\_\_

Phone Home ( ) \_\_\_\_\_ Business (902) 532-7844 Ext. \_\_\_\_\_ Other ( ) 532-8186 Ext. \_\_\_\_\_

Fax (902) 532-0925 E-mail 7100

Civic/Street Address 478 Parker Mountain Road

Mailing Address (if different than Civic) P.O. Box 97

County Annapolis City/Town Annapolis Royal

Province N.S. Postal Code BOS 1A0 Country Canada

## SECTION 2 - APPLICATION CONTACT

S.20

Is the Application Contact the same as Section 1 - Owner? Yes  No  If yes, please skip to Section 3.

Company/Organization/Municipality \_\_\_\_\_

Business Number (BN) if applicable \_\_\_\_\_

Mr.  Ms.  Mrs.  Other: \_\_\_\_\_ Professional Designation \_\_\_\_\_

First Name \_\_\_\_\_ Middle Initial \_\_\_\_\_ Family Name \_\_\_\_\_

Phone Home \_\_\_\_\_ Business (902) 532-7844 Ext. \_\_\_\_\_ Other ( ) \_\_\_\_\_ Ext. \_\_\_\_\_

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**SECTION 3 - SITE/LOCATION OF PROPOSED ACTIVITIES**

Identification numbers (PID) are available at the Nova Scotia Department of Housing & Municipal Affairs.  
 1:50,000 Topo Maps (Identifying Easting and Northing) are available at Nova Scotia Department of the Environment Regional Offices.

Site Name	Tiverton Quarry		
Civic/Street Address	Dixon	No civic's	
	Ossinger	available	
County	Digby	Community	Tiverton
Property Identification # (PID)	30285381 and 30176416	1:50,000 Topo Map #	21B8
Grid Reference	Easting (6) 536295158	Northing (7)	491879637

**SECTION 4 - ACTIVITY**

Proposed Activity - Please check (✓) all that apply.

<b>Biotechnology:</b>	Biological Remediation	<input type="checkbox"/>	Biotechnology Products Manufacturing Plant	<input type="checkbox"/>
<b>Chemical:</b>	Brine Processing	<input type="checkbox"/>	Industrial Cleaners Manufacturing	<input type="checkbox"/>
	Chemical Manufacturing	<input type="checkbox"/>	Paint Manufacturing	<input type="checkbox"/>
	Coke/Carbon Manufacturing	<input type="checkbox"/>	Pesticide Manufacturing	<input type="checkbox"/>
	Explosives Manufacturing	<input type="checkbox"/>	Petrochemical Manufacturing	<input type="checkbox"/>
	Fertilizer Manufacturing	<input type="checkbox"/>	Pharmaceutical Manufacturing	<input type="checkbox"/>
	Fertilizer Storage	<input type="checkbox"/>		
<b>Construction:</b>	Asphalt Paving Plant	<input type="checkbox"/>	Quarry	<input checked="" type="checkbox"/>
	Building Products Manufacturing	<input type="checkbox"/>	Ready-Mix Concrete Plant	<input type="checkbox"/>
	Cement Plant	<input type="checkbox"/>	Sandblasting Operation	<input type="checkbox"/>
	Ground Disturbance	<input type="checkbox"/>	Sulphide Bearing Material	<input type="checkbox"/>
	Pit	<input type="checkbox"/>	Topsoil	<input type="checkbox"/>
<b>Food or Fish &amp; Animal Byproducts:</b>	Bear or Wine Processing Plant	<input type="checkbox"/>	Inland Fish Processing Plant	<input type="checkbox"/>
	Dairy Products Plant	<input type="checkbox"/>	Poultry Integrated Plant	<input type="checkbox"/>
	Distillery	<input type="checkbox"/>	Red Meat Integrated Plant	<input type="checkbox"/>
	Fish Meal Plant	<input type="checkbox"/>	Rendering Plant	<input type="checkbox"/>
	Fish Silage	<input type="checkbox"/>	Tannery	<input type="checkbox"/>
	Food Additive Plant	<input type="checkbox"/>	Vegetables Processing Plant	<input type="checkbox"/>
	Fruit Processing Plant	<input type="checkbox"/>		
<b>Metals:</b>	Battery Manufacturing Plant	<input type="checkbox"/>	Pewter Ware Manufacturing Facility	<input type="checkbox"/>
	Electroplating Plant	<input type="checkbox"/>	Rolling Stock Manufacturing Plant	<input type="checkbox"/>
	Foundry	<input type="checkbox"/>	Smelter	<input type="checkbox"/>
	Iron & Steel Mill	<input type="checkbox"/>		
<b>Minerals:</b>	Bulk Sample Site	<input type="checkbox"/>	Mineral Processing Plant	<input type="checkbox"/>
	Bulk Solids Handling Facility	<input type="checkbox"/>	Peat Moss Harvesting	<input type="checkbox"/>
	Coal Processing Plant	<input type="checkbox"/>	Surface Mine	<input type="checkbox"/>
	Leach Mining	<input type="checkbox"/>	Underground Mine	<input type="checkbox"/>
	Lime Plant	<input type="checkbox"/>		
<b>Oil &amp; Gas:</b>	Bio-remediation	<input type="checkbox"/>	Natural Gas Processing Plant	<input type="checkbox"/>
	Brine Storage Pond	<input type="checkbox"/>	Oil Refinery	<input type="checkbox"/>
	Compressor & Pumping Station	<input type="checkbox"/>	Petroleum/Natural Gas Recovery	<input type="checkbox"/>
	Petroleum/Natural Gas Operation	<input type="checkbox"/>	Re-refinery	<input type="checkbox"/>
<b>Power Plants</b>		<input type="checkbox"/>		
<b>Primary Manufacturing:</b>	Lead Crystal Manufacturing	<input type="checkbox"/>	Tire Manufacturing Plant	<input type="checkbox"/>
	Textile Manufacturing Plant	<input type="checkbox"/>	Wallpaper Manufacturing Plant	<input type="checkbox"/>
<b>Services:</b>	Sludge Treatment	<input type="checkbox"/>	Wastewater Treatment	<input type="checkbox"/>
<b>Wood Products:</b>	Pulp Manufacturing Plant	<input type="checkbox"/>	Wood Treatment Plant	<input type="checkbox"/>
	Pulp & Paper Manufacturing Plant	<input type="checkbox"/>		
<b>Miscellaneous:</b>	Biomedical Waste Incinerator	<input type="checkbox"/>	Industrial Incinerator	<input type="checkbox"/>
	Cemetery	<input type="checkbox"/>	Industrial Landfill	<input type="checkbox"/>
	Crematorium	<input type="checkbox"/>	Industrial Composting	<input type="checkbox"/>
	Dredge Spoils Disposal	<input type="checkbox"/>	Land Application of Waste	<input type="checkbox"/>

Will this Activity employ a new technology?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
If yes, please specify.		
Proposed Project Dates, if applicable (yyyy/mm/dd)		
Start Construction Date	March 2003	Start Operations March 2003
End/Closure Date	completion of projects estimated in 2 years	

## SECTION 5 - ACTIVITY DETAILS

Proposed Operating Schedule	Hours/Day	12	Days/Week	5	Weeks/Year	4
Type of Facility	Mobile	<input type="checkbox"/>	OR	Permanent	<input checked="" type="checkbox"/>	

## SECTION 6 - SUPPORTING DOCUMENTATION TO ATTACH

All supporting documentation is to be submitted in accordance with the "Approvals Procedures Regulations." If applicable, the following documents must be submitted with this Application; however, additional information may be requested.

Note - A legend must be supplied for all mapping describing symbols used, scale and north orientation.

<input checked="" type="checkbox"/>	Copy of the property deed, lease or letter proving the applicant's legal right to conduct the activity on the site
<input checked="" type="checkbox"/>	Copy of Registry of Joint Stocks printout showing the official company name, President & CEO, its agent, and verifying that the company is registered in good standing.
<input checked="" type="checkbox"/>	Copies of all existing approvals relating to the activity that have been issued by any agencies
<input checked="" type="checkbox"/>	A process description for the activity including (but not limited to): type of industry, size & capacity, raw materials & water used, discharge point, quantities of dangerous goods anticipated for use and material safety data sheets
<input checked="" type="checkbox"/>	If applicable, a description of blasting methods and schedule
<input checked="" type="checkbox"/>	Security (bond, cheque, etc.) for the proposed operation (if applicable).
<input checked="" type="checkbox"/>	Preliminary development, abandonment or rehabilitation Plan
<input checked="" type="checkbox"/>	Site Plan (scaled drawing, minimum scale 1:2,000) including (but not limited to): property boundaries, contours of the site & adjacent properties, location of all relevant structures, location of nearby watercourses, wetlands, dwellings, wells, water supplies, public roads & highways
N/A	Scaled engineering drawings, plans, and specifications that are stamped by a N. S. Licensed professional engineer including (but not limited to): <ul style="list-style-type: none"> <li>- Plans &amp; drawings for structures &amp; equipment used to obtain satisfactory treatment of wastes resulting from industrial processes.</li> <li>- Sufficient data to demonstrate the feasibility of a process to supply satisfactory treatment.</li> <li>- Reports on the proposed treatment facilities indicating design capacities, flows, &amp; concentrations of wastes expected to be emitted to the environment</li> <li>- Calculations, factors, &amp; parameters used in the design of waste control systems</li> </ul>
<input checked="" type="checkbox"/>	Description of all liquid effluents discharged from the process/property including (but not limited to): <ul style="list-style-type: none"> <li>- Quality &amp; quantity of all surface discharge waters that have contacted unstabilized areas prior to discharge</li> <li>- Quality &amp; quantity of each liquid effluent discharge before and after treatment</li> <li>- Quality should include (if present) the concentration or levels of pH, temperature, chlorine residual, BODs, suspended solids, acute toxicity, heavy metals, total petroleum hydrocarbons, total oil &amp; grease, total dissolved solids, ammonia &amp; phosphorus, etc.</li> </ul>
N/A	Description of all air emissions discharged from the processes (stacks, vents, etc.), including (but not limited to): <ul style="list-style-type: none"> <li>- Stack height above base (metres), elevation at base (metres), stack top inside diameter (metres), flow velocity through the stack exit (metres/sec), temperature of stack gas at exit (°C)</li> <li>- Maximum and average daily concentrations of total particulate, total suspended particulate, specific particulates, metals, gases (general and odorous), carbon monoxide, VOCs, carbon dioxide, oxygen, oxides of nitrogen, hydrogen sulphide, sulphur dioxide and polyaromatic hydrocarbons before and after treatment</li> <li>- Capacity, type of fuel used, sulphur content of fuel, higher heating value of the fuel, monitoring equipment to be employed and soot blowing schedule if the process is a boiler or heating plant</li> </ul>
N/A	Description of all solid wastes that require disposal, including (but not limited to): <ul style="list-style-type: none"> <li>- Quantity and quality of all solid wastes with an indication of whether they are considered waste dangerous goods with applicable federal and provincial legislation. If necessary, leachate extraction procedure data should be submitted.</li> <li>- Location &amp; method of solid wastes disposal</li> <li>- Storage quantities of all wastes prior to disposal with storage site capacity &amp; schedule of disposal</li> <li>- Supporting geotechnical &amp; hydrological findings if waste is to be land filled.</li> </ul>

Contingency plan, including (but not limited to):

- Scope of the plan (purpose, geographic area, and persons, groups, eg., that have responsibility)
- Notification procedures (what is to be reported, when, to whom, internal & external reporting procedures and a 24 hour telephone response number)
- Notification list including names & telephone numbers for all key internal response team personnel, telephone number for reporting environmental emergencies in N. S., relevant municipal/local telephone numbers (fire, police, ambulance, medical/hospital), clean-up contractors, etc.) And government assistance services such as CANUTEC
- Identification of a response team leader and the role of the response team leader respecting decision making, focal point, report preparation and submission, etc.
- Proposed containment and clean-up procedures
- Proposed transportation procedures
- Site restoration plan (in case of an accidental discharge) that will ensure that the area is rehabilitated to its pre-spill condition
- Proposed disposal procedures
- Available resources including manpower, contractors, treatment materials, expertise, communications, countermeasure equipment, etc.
- Public relations including the identification of an individual who can speak on behalf of the approval holder
- Incident reporting procedures and investigative follow-up procedures

**If information submitted is incomplete, or if supporting documentation is of poor quality (plans, maps, etc.), the application may be delayed, returned or rejected.**

**SECTION 7 - DECLARATION**

Correspondence is to be returned to:      Owner            OR      Application Contact     

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Information in this application package which the applicant considers to be confidential business information should be clearly identified.

Are you making this request?      Yes            No     

If yes, please indicate which information in the Supporting Documentation is considered confidential.

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Parker Mountain Aggregates Ltd

Owner's Signature \_\_\_\_\_ Date (yyyy/mm/dd) 2003/03/27  
 Licensee \_\_\_\_\_

Name (Please print or type) for Parker Mountain Aggregates Ltd.

OR

*Owner's Authorization (Letter of Authorization attached)*

If you are acting on behalf of the owner, you must:

1. Attach a letter of authorization from the Owner identified on Page 1, Section 1, of this application.
2. Identify yourself as the *Application Contact* on Page 1, Section 2, of this application.
3. Sign the declaration below.

I certify that I am acting with the owner's full consent.

Signature \_\_\_\_\_ Date (yyyy/mm/dd) \_\_\_\_\_

Name (Please print or type) \_\_\_\_\_

## **Proposed Blast Design - Tiverton Quarry**

We intend to employ Consbec to do all drilling and blasting. The following is the proposed blast design.

- Drill pattern example - 10' x 10' pattern with 4" bit would be loaded with DyroGold Light (ie: 30 ft hole would have 7 ft collar on it which would contain 86.67 kgs per delay using non-electric detonators with 25/500 m/s delay with 17/34 or 42 connectors.)

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