



Department of the Environment

13 First Street,
Yarmouth, Nova Scotia
B5A 1S9

Tel: (902) 742-8985
Fax: (902) 742-7796

Regional Offices Division
Western Region

Our file no:
11-00-0067

Mark Farrell, Acting
District Manager, Yarmouth

July 20, 2000

C A G Enterprises Ltd.
C/O W. G. Shaw & Associates Ltd.
65 Beech Hill Road
Antigonish, Nova Scotia
B2G 2P9

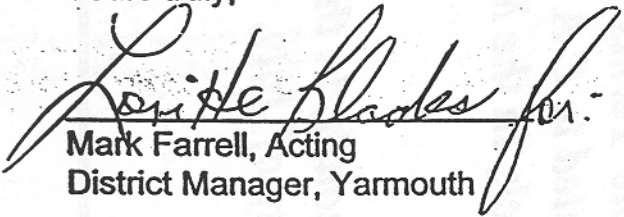
Attention: W.G. Shaw

Dear Mr. Shaw:

Enclosed is approval for Industrial approval for C A G Enterprises Ltd. to conduct a bulk sample at Flintrock, Yarmouth Municipality, Nova Scotia

Should you have any questions, or require further assistance, please contact Mr. Robert Rowe P. Eng., Middleton, at 825-2123.

Yours truly,


Mark Farrell, Acting
District Manager, Yarmouth

Enclosure

c.c. Robert Rowe, P. Eng.

DEPARTMENT OF THE ENVIRONMENT

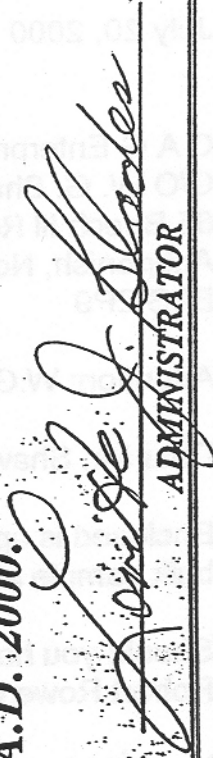
Industrial Approval

Pursuant to the Environment Act and Regulations made pursuant thereto, and subject to the Terms and Conditions contained in the Approval, this Approval is granted to C A G Enterprises Ltd., to conduct a bulk sample at its site in Flintrock, in the Municipality of Yarmouth County, in the Province of Nova Scotia.

Granted at Yarmouth, in the County of Yarmouth, Province of Nova Scotia, this 19th day of July, A.D. 2000.

00-IAW-030

APPROVAL NUMBER


ADMINISTRATOR

TERMS AND CONDITIONS OF APPROVAL

NOVA SCOTIA DEPARTMENT OF THE ENVIRONMENT

Project: C A G Enterprises Ltd.
c/o W. G. Shaw & Associates Ltd.
65 Beech Hill Road
Antigonish, Nova Scotia
B2G 2P9

Bulk Sample (Silica)

Approval No: 00-IAW-030

File No: 11-00-0067

Conditions:

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

1. Scope of Approval

- This approval relates to C. A. G. Enterprises Ltd., hereafter called the "proponent" and their request to excavate a 10,000 ton bulk sample as shown in their proposal dated June 14, 2000, and as amended by fax on July 11, 2000 to exclude pit B (Kaolin deposit) at this time.

2. General Terms and Conditions

- a) The proponent shall conduct the silica bulk sample in accordance with provisions of the:
 - i) Environment Act, SNS 1994-95 C.1;
 - ii) Regulations pursuant to the above Act;
 - iii) Local municipal environmental bylaws, zoning restrictions.
- 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.
- 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 proponent 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 proponent shall bear all expenses incurred in carrying out the environmental monitoring required under the terms and conditions of this approval.
- g) The proponent shall develop the site in such a manner as to expose only the areas that are currently being used/excavated.
- h) The proponent shall ensure that this approval or a copy is kept 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 proponent will be required to register their project for Environmental Assessment under Part IV of the Environment Act should the bulk sample exceed 10,000 tonnes and/or a mining operation is proposed.
- j) The proponent 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 issuances of the approval.

3. Particulate Emissions

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

Annual Geometric Mean	70ug/m ³
Daily Average (24 hrs)	120 ug/m ³

- 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 District 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 District 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 excavated area, the wastewater shall be drained to settling ponds for appropriate water treatment to meet the suspended solids limits outlined in condition 5 (d).
- d) The proponent 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	25 mg/l	10 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 District Office.
- f) Monitoring stations for liquid effluent shall be determined by the Nova Scotia Department of the Environment District 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 District Office.
- h) The proponent shall secure an approval amendment to conduct washing of aggregate on site.

6. Ground water

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

7. Separation Distances

- a) The proponent 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 proponent 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.
- d) The proponent shall maintain a 15 m (50 feet) separation distance from the pit/quarry excavation to any other property boundary.

8. Botanical Inventory

A botanical inventory shall be conducted on the site, by the proponent prior to any further ground disturbances.

9. Landowners Permission

The proponent shall obtain the permission of the landowner prior to any further work on the site. They should contact Peter Francis (Regional Co-ordinator of Crown Land Administration) in the Department of Natural Resources Office in Lawrencetown. A copy of this permission shall be submitted to the attention of Mark Farrell to the Department of Environment office in Yarmouth, phone 902-742-8985, prior to further work on site.

10. Reclamation

- a) The site shall be progressively reclaimed and rehabilitated where possible by grading, contouring and revegetating the disturbed land. The site shall be revegetated with local native plant species found in the Shelburne Barrens type habitat.
- b) The proponent shall submit a rehabilitation plan to the Nova Scotia Department of the Environment for approval .
- c) The proponent 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 proponent shall post a security in a form acceptable to the Department of Environment for rehabilitation.
- e) The Nova Scotia Department of the Environment shall release the security to the proponent after rehabilitation of the active area has been completed to the satisfaction of the Minister of the Environment.
- f) The proponent 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.
- h) The Kaolin trench in the area of proposed Pit B should be filled in immediately and rehabilitated, as per approval from the Nova Scotia Department of Natural Resources.
- i) The proponent must prevent large animals, such as moose from gaining access to the excavated area and if such an event occurs, suitable means to exit the area must be available.

11. Blasting

A blasting design and plan shall be submitted to the Department of Environment for review and approval prior to any blasting being conducted. All blasting is to be conducted in accordance with good practices and the Nova Scotia Department of Environment Pit and Quarry Guidelines revised May 1999 or newer versions.

12. Duration of Approval

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

Natural
ResourcesPO Box 698
Halifax, Nova Scotia
B3J 2T9

Fax: 902 424-7735

16-93-0038-03.2 M&E

Our File Number:

July 31, 2000

Mr. W.G. Shaw
CAG Enterprises Limited
65 Beech Hill Road
Antigonish, NS B2G 2P9

Dear Mr. Shaw:

RE: Excavation Permit No. E-146

Enclosed please find Excavation Permit No. E-146. This permit is valid until October 30, 2000. Be advised that in addition to the *Mineral Resources Act*, you are to comply with the *Occupational Health and Safety Act*, the *Environment Act*, and Regulations thereunder and the *Crown Lands Act* and, where applicable, the *Special Places Protection Act*, and any other relevant legislation. You are to advise the Registrar that the site disturbed under the authority of Excavation Permit No. 146 has been reclaimed on or before October 30, 2000, and are to abide by the terms of your Letter of Authority as granted on July 28, 2000.

Yours truly,

R. Ratcliffe
Registrar of Mineral
and Petroleum Titles

RR/mc

Enclosure

cc: D. Jones
J. Campbell
S. Marshall
P. McCulloch
J. Vance, Dept. of Labour
B. Matlock, Dept. of Environment

E-143

Natural
ResourcesPO Box 698
Halifax, Nova Scotia
B3J 2T9

Fax: 902 424-7735

Our File Number:
Exc. Permit No. E-143

August 1, 2000

Mr. W.G. Shaw
W.G. Shaw & Associates
Highland Professional Centre
65 Beech Hill Road
Antigonish, NS B2G 2P9

To: Jim Mc Donald

Dear Mr. Shaw:

RE: Excavation Permit No. E-143

Further to your request dated July 31, 2000, I note that Excavation Permit No. E-143 authorized the extraction of up to 50 tonnes of material from three (3) trenches. If your intended program of the collection of small samples of Kaolin in the order of seven tonnes each and the work already undertaken on this property does not exceed the maximum authorization (50 tonnes) and if the land owner is in agreement that the site disturbed under the authority of Excavation Permit No. E-143 may remain un-reclaimed to that date, then I have no objection to move the reclamation date ahead to October 30, 2000.

I note that the reclamation bond of \$4,000.00 formerly held in connection with Excavation Permit No. E-143 has been combined with a new bond of \$3,500.00 to support the issuance of Excavation Permit No. E-146. I will require a statement from the landowner that an additional bond is not required to support this request.

Yours truly,

R. Ratcliffe
Registrar of Mineral
and Petroleum Titles

RR/mc

cc: Dr. D. Jones
Mr. P. Hannon
Mr. P. Francis
Mr. P. McCulloch
Ms. S. Marshall
Mr. J. Vance
Mr. B. Matlock



Natural
Resources

PO Box 698
Halifax, Nova Scotia
B3J 2T9

Fax: 902 424-7735

73100-33/A-163

Our File Number:

May 28, 2002

Mr. Guy MacGillivray
Senior Project Geologist
Black Bull Resources Inc.
13 Gilfoy Road RR #7
Antigonish, NS B2G 2L4

Post-It™ Fax Note 7671E		Date	# of pages
To	Black Bull Res.	From	Billy Shaw
Co./Dept.		Co.	
Phone #		Phone #	(902) 863-1903
Fax #	(604) 688-9550	Fax #	

Dear Sir:

RE: EXCAVATION PERMIT NO. E-146

Further to your request to extend the dates for reclamation, I hereby provide you up to and including May 26, 2003. Please note the following;

- Black Bull Resources shall carry out a weekly inspection of the site. A record of these inspections shall be maintained by Black Bull and shall be available to an officer of Nova Scotia Department of Environment and Labour or Nova Scotia Department of Natural Resources upon request.

- The Acting Director has agreed that the reclamation of the site provided for in The Letters of Authority may be delayed until May 26, 2003 unless

- garbage accumulates on the site
- the site becomes a danger to the public; or
- the site is deemed harmful to the environment by an officer of the Nova Scotia Department of Environment and Labour

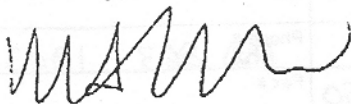
Should any of the above conditions occur, the site shall be reclaimed immediately.

- Black Bull Resources Inc. and its agents are responsible for the safety of the public at the site.

- A minimum of \$2,000,000 liability insurance shall be maintained for the site.

- The kaolin stockpile shall be securely covered with a tarp or silt screen to prevent erosion.

Yours truly,



R. Ratcliffe
Registrar of Mineral
and Petroleum Titles

RR/jlm

- cc D. Jones
- P. Hannon
- J. Campbell
- P. McCulloch
- R. Ogilvie
- P. Woodland
- P. Francis
- S. Marshall
- B. Matlock