

Appendix D EXISTING GOLD BOND IA: 2015-093939-01





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Our File Number: 92100-30-BED-2015-093939

February 27, 2018

NATIONAL GYPSUM (CANADA) LTD.
1707 HIGHWAY #2
MILFORD STATION, NS B0N1Y0

RECEIVED MAR 16 2018

Dear Sir or Madam

**RE: Approval for Construction and Operation - Surface Mine. Approval No.
2015-093939-01
PID # multiple locations**

Enclosed please find Approval 2015-093939-01 for Construction and Operation of the Surface Mine at multiple locations in Nova Scotia.

Strict adherence to the attached terms and conditions is imperative in order to validate this approval.

Despite the issuance of this Approval, the Approval Holder is still responsible for obtaining any other authorization which may be required to carry out the activity, including those which may be necessary under provincial, federal or municipal law.

Should you have any questions, please contact Bernie Matlock, Central Region, Bedford Office at 902-424-7773.

Yours truly,

Norma Bennett
District Manager

cc: Stantec Consulting Limited

APPROVAL

**Province of Nova Scotia
Environment Act, S.N.S. 1994-95, c.1 s.1**

APPROVAL HOLDER: NATIONAL GYPSUM (CANADA) LTD.

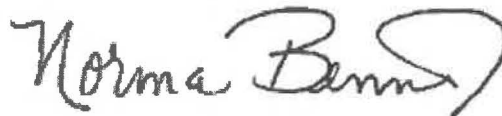
SITE PID: 00369678, 00369694, 00369728, 00369736, 00522508,
00522516, 00522607, 00522789, 00522813, 00522821,
00523092, 00523118, 00523183, 40227795, 40228090,
40229635, 40229643, 40413981, 40471484, 40478828,
40543530, 40644916, 41459827

APPROVAL NO: 2015-093939-01

EXPIRY DATE: August 8, 2026

Pursuant to Part V of the *Environment Act*, S.N.S. 1994-95, c.1 s.1 as amended from time to time, approval is granted to the Approval Holder subject to the Terms and Conditions attached to and forming part of this Approval, for the following activity:

Industrial - Minerals - Surface Mine



Administrator: Norma Bennett

Effective Date: March 12, 2018

The Minister's powers and responsibilities under the Act with respect to this Approval have been delegated to the Administrator named above. Therefore, any

information or notifications required to be provided to the Minister under this Approval can be provided to the Administrator unless otherwise advised in writing.

TERMS AND CONDITIONS OF APPROVAL

Nova Scotia Environment

Approval Holder: NATIONAL GYPSUM (CANADA) LTD.

Project: National Gypsum Mine Extension

Site:

PID	Civic #	Street Name	Street Type	Community	County
00369678				MILFORD	HALIFAX COUNTY
00369694				MILFORD	HALIFAX COUNTY
00369728				MILFORD	HALIFAX COUNTY
00369736				MILFORD	HALIFAX COUNTY
00522508				CARROLLS CORNER	HALIFAX COUNTY
00522516				MILFORD	HALIFAX COUNTY
00522607				CARROLLS CORNER	HALIFAX COUNTY
00522789	1615	HIGHWAY 277	HWY.	CARROLLS CORNER	HALIFAX COUNTY
00522813				MILFORD	HALIFAX COUNTY
00522821				MILFORD	HALIFAX COUNTY
00523092				CARROLLS CORNER	HALIFAX COUNTY
00523118				CARROLLS CORNER	HALIFAX COUNTY
00523183				CARROLLS CORNER	HALIFAX COUNTY
40227795				DUTCH SETTLEMENT	HALIFAX COUNTY
40228090				MILFORD	HALIFAX COUNTY
40229635				DUTCH SETTLEMENT	HALIFAX COUNTY
40229643				MILFORD	HALIFAX COUNTY

40413981	24	OAK HILL	DR.	CARROLLS CORNER	COUNTY HALIFAX COUNTY
40471484				MILFORD	HALIFAX COUNTY
40478828	36	OAK HILL	DR.	CARROLLS CORNER	HALIFAX COUNTY
40543530				MILFORD	HALIFAX COUNTY
40644916	46	OAK HILL	DR.	CARROLLS CORNER	HALIFAX COUNTY
41459827					

Approval No: 2015-093939-01
File No: 92100-30-BED-2015-093939

Reference Documents

- Application submitted December 11, 2017 and attachments.
- Original Application dated July 27, 2015
- Environmental Assessment Approval dated April 9, 2015
- Environmental Assessment Registration for the National Gypsum Mine Extension, prepared by Stantec Consulting Limited dated November 12, 2015
- Letter from NSE to Stantec Consulting Ltd. dated November 12, 2015
- Letter from Stantec Consulting Ltd. to NSE dated January 4, 2016 signed by Kelly Fraser and Attachments.
- Plan National Gypsum Canada Ltd. dated December 18, 2015 submitted by Stantec Consulting Ltd.
- Previous Approvals and Submissions
- E-mails between NSE and Stantec Consulting Ltd. regarding National Gypsum application dated July 27, 2015
- Letter from Stantec Consulting Ltd. to NSE dated April 7, 2016, signed by Kelly Fraser and attachments
- E-mail from NSE to Stantec Consulting Ltd. and National Gypsum dated April 20, 2016

1. Definitions

- a. Abandonment means cessation of production of aggregate for a period of twelve (12) months, unless authorized by the Minister.
- b. Act means Environment Act, Chapter 1 of the Acts of 1994-95, and includes, unless the context otherwise requires, all regulations made pursuant to the Act.
- c. Active Area means the area required to operate the approved designated activity and includes the working face and associated works.
- d. Administrator means a person appointed by the Minister for the purpose of this Act, and includes an acting administrator.
- e. Approval means an Approval issued pursuant to this Act with respect to an activity.
- f. Associated Works means any building, machinery, equipment, device, tank, system, stockpile, or other related infrastructure.
- g. Department means the Department of Environment, and the contact for the Department for this approval is:
Nova Scotia Environment
Central Region, Bedford Office
30 Damascus Road, Suite 115
Bedford, Nova Scotia B4A 0C1

Phone: (902) 424-7773
Fax: (902) 424-0597
- h. Development means advancing the mining activities and includes; mining, site preparation for mining, exploratory work, blasting, loading and stockpiling, building and construction. Development does not include rehabilitation work, sampling and monitoring.
- i. Disturbed Area means any area on the site of the approved designated activity that has been stripped of vegetation and is susceptible to erosion.
- j. Extension means an increase in size, volume or other physical dimensions of an activity such that the increase may cause an adverse effect if not properly mitigated.
- k. Facility means the Surface Mine and associated works.
- l. Grab sample means an individual sample collected in less than 30 minutes and which is representative of the substance sampled.
- m. Minister means the Minister of Environment and includes any person appointed

as a designate of the Minister.

- n. Modification means a change to an activity that may cause an adverse effect if not properly mitigated and includes, but is not limited to, the expansion of the same process, addition of product lines and replacement of equipment with different technology other than that presently in use.
- o. Reclamation means work performed or to be performed in accordance with an authorized plan, and includes rehabilitation of a site or facility.
- p. Site means the lands where an activity or proposed activity will take place.
- q. Standard means a standard, policy, code, guideline, protocol or other rule in relation to a designated activity that, by reason of its establishment or adoption by regulation or as a condition of an approval or certificate of qualification, becomes a mandatory requirement for participation in that designated activity.
- r. Structure includes but is not limited to a private home, a cottage, an apartment building, a school, a church, a commercial building or a treatment facility associated with the treatment of municipal sewage, industrial or landfill effluent, an industrial building, infrastructure or construction, a hospital, and a nursing home, etc.

2. Scope

- a. This Approval (the "Approval") relates to the Approval Holder and their application and supporting documentation, as listed in the reference documents above, to construct, operate and reclaim the Facility, situated at or near 1707 #2 Hwy, Carrolls Corner, Halifax Regional Municipality (the "Site").
- b. The Site and/or Facility shall not exceed the area as outlined in the application and supporting documentation.
- c. The Facility shall be constructed, operated and reclaimed as outlined in the original application for industrial approval dated July 27, 2015, the application for amendment dated December 11, 2017 and supporting reference documentation.

3. General

- a. The Approval Holder(s) shall construct, operate and reclaim the Facility in accordance with the following provisions:
 - i. Environment Act S.N.S. 1994-1995, c.1, s.1 as amended from time to time
 - ii. Regulations pursuant to the above Act, as amended from time to time
 - iii. Any standard adopted by the Department, as amended from time to time.
- b. No authority is granted by this Approval to enable the Approval Holder(s) to

- construct or operate the Facility on lands which are not in the control or ownership of the Approval Holder(s). It is the responsibility of the Approval Holder(s) to ensure that such a contravention does not occur.
- c. If there is a discrepancy between the reference documents and the terms and conditions of this Approval, the terms and conditions of this Approval shall apply.
 - d. Any request for renewal or extension of this Approval is to be made in writing, to the Department, at least ninety (90) days prior to the Approval expiry.
 - e. The Minister may modify, amend or add conditions to this Approval at any time pursuant to Section 58 of the Act.
 - f. This Approval is not transferable without the consent of the Minister.
 - i. If the Minister determines that there has been non-compliance with any or all of the terms and conditions contained in this Approval, the Minister may cancel or suspend the Approval pursuant to subsections 58A(1) and 58A(2) of the Act, until such time as the Minister is satisfied that all terms and conditions have been met
 - ii. If the Minister cancels or suspends this Approval, the Approval Holder(s) remains subject to the penalty provisions of the Act and regulations
 - g. The Approval Holder(s) shall notify the Department prior to any proposed extensions or modifications to the Facility, including, but not limited to, the active area, operating area, processing changes or waste disposal practices which are not granted under this Approval. An amendment to this Approval may be required before implementing any change.
 - h. Extensions or modifications to the Facility may be subject to the Environmental Assessment Regulations. Written approval from the Minister may be required before implementing a change.
 - i. Pursuant to Section 60 of the Act, the Approval Holder(s) shall submit to the Minister any new and relevant information respecting any adverse effect that actually results, or may potentially result, from any activity to which the Approval relates and that comes to the attention of the Approval Holder(s) after the issuance of the Approval.
 - j. The Approval Holder(s) shall immediately notify the Department of any incidents of non-compliance with this Approval.
 - k. The Approval Holder(s) shall bear all expenses incurred in carrying out the environmental monitoring required under the terms and conditions of this Approval.
 - l. Unless specified otherwise in this Approval, all samples required to be collected

by this Approval shall be collected, preserved and analysed, by qualified personnel, in accordance with recognized industry standards and procedures.

- m. Unless written authorization is received otherwise from the Minister, all samples required by this Approval shall be analysed by a laboratory that meets the requirements of the Department's Policy on Acceptable Certification of Laboratories as amended from time to time.
- n. The Approval Holder(s) shall ensure that this Approval, or a copy, is kept on Site at all times and that personnel directly involved in the Facility operation are made fully aware of the terms and conditions which pertain to this Approval.
- o. Upon any changes to the Registry of Joint Stock Companies information, the Approval Holder(s) shall provide a copy to the Department.

4. Sound Levels

- a. Sound levels measured at the Site 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 (Nights)

- b. Monitoring of sound levels shall be conducted at the request of the Department. The location of the monitoring station(s) for sound will be established by a qualified person retained by the Approval Holder and submitted to the Department for approval, this may include point(s) beyond the property boundary of the Site.

5. Particulate Emissions (Dust)

- a. Particulate emissions shall not exceed the following limits at or beyond the Site property boundaries:

Annual Geometric Mean 70 $\mu\text{g}/\text{m}^3$

Daily Average (24 hr.) 120 $\mu\text{g}/\text{m}^3$

- b. The use of used oil as a dust suppressant is strictly prohibited. The generation of dust from the Site shall be suppressed as required.
- c. Monitoring of particulate emissions shall be conducted at the request of the Department. The location of the monitoring station(s) for particulate will be established by a qualified person retained by the Approval Holder and submitted to the Department for approval, this may include point(s) beyond the property boundary of the Site.

- d. When requested, suspended particulate matter shall be measured by the EPA standard; EPA/625/R-96/010a; Sampling of Ambient Air for Total Suspended Particulate Matter SPM and PM10 Using High Volume (HV) Sampler.

6. Surface Water

- a. The site shall be developed and maintained to prevent siltation of the surface water which is discharged from the property boundaries into the nearest watercourse or beyond the property boundary. Additional controls shall be implemented if Site runoff exceeds the discharge limits contained herein.
- b. No authority is granted by this Approval to enable the Approval Holder to discharge surface water beyond the property boundary and onto adjoining lands without the authorization of the affected landowner(s). It is the responsibility of the Approval Holder to ensure that the authorization of said landowner(s) is current and valid. Failure to maintain said authorization will result in this Approval being null and void. The Approval Holder shall provide, to the Department, proof of the continued authorization of the adjoining landowner(s) when the current agreement has expired.
- c. Erosion and sedimentation control devices shall be installed prior to any excavation of material.
- d. The Approval Holder shall ensure the following liquid effluent levels are met and that the effluent is monitored at the frequency and locations indicated.

i) Total Suspended Solids (TSS)

Clear Flows (Normal Background Conditions):

- 1) Maximum increase of 25 mg/l from background levels for any short term exposure (24 hour or less)
- 2) Maximum average increase of 5 mg/l from background levels for longer term exposure (inputs lasting between 24 hours and 30 days)

High Flow (Spring Freshets and Storm Events):

- 1) Maximum increase of 25 mg/l from background levels at any time when background levels are between 25 mg/l and 250 mg/l
- 2) Shall not increase more than 10% over background levels when background is > 250 mg/l

ii) pH

- 1) Maximum 5 to 9 in grab sample
- 2) Maximum 6 to 9 as a Monthly Arithmetic Mean

iii) Oil and Grease, Ammonia Nitrogen, Fish Toxicity

1) as stipulated in Table 1.

iv) Monitoring Locations

1)The Approval Holder shall sample at the following locations:
Surface water monitoring stations included in Table 1 and as identified on the plan by Stantec Fig.1.1, entitled Location of Surface Water Quality Monitoring Stations, dated Septemeber 13, 2016.

New monitoring stations should be established on Shubenacadie River upstream (UpNG1) and downstream (DnNG1) from station NG1 and monitored for TSS.

New monitoring station shall also be established at McLennan Brook (MB) at the location where brook is leaving Facility property.

v)Sampling Frequency

1) as stipulated in Table 1

- e. If it becomes necessary to drain the Site, the wastewater shall be treated to meet the suspended solids limits outlined in this Approval.
- f. All wash water systems shall be arranged in closed circuit.
- g. Additional monitoring stations or monitoring parameters and frequencies for liquid effluent may be specified as required by the Department.
- h. Use of any chemicals for treatment of liquid effluent must be approved in writing by the Department.
- i. An Annual report of results of monitoring shall be submitted to the Department in accordance with Condition 10 of this Approval.

7. Groundwater

- 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 install three new multi-level monitoring wells at the site, at the locations shown on the "Wetlands and Watercourses / Drainage Locations and Proposed Monitoring Locations" plan, dated May 13, 2015, Figure 4.1. Monitoring wells shall be installed by November 1, 2016.
- c. The Approval Holder shall monitor, on a monthly basis, water levels in the new and existing groundwater monitoring wells.
- d. The Approval Holder shall sample every three years all groundwater monitoring

wells for general chemistry and metals.

- e. Additional groundwater monitoring wells or monitoring parameters and frequencies may be specified as required by the Department.

8. Construction

- a. Erosion and sedimentation controls are to be in place prior to construction at this facility. Additional controls shall be implemented if Site runoff exceeds the discharge limits contained herein.
- b. Erosion and sedimentation controls are to be maintained and remain in place until the disturbed areas are stabilized.
- c. The Approval Holder shall ensure that the following discharge limits are met for any water which is discharged from the Site to a watercourse or wetland:

Clear Flows (Normal Background Conditions):

- i) Maximum increase of 25 mg/l from background levels for any short term exposure (24 hours or less)
- ii) Maximum average increase of 5 mg/l from background levels for longer term exposure (inputs lasting between 24 hours and 30 days)

High Flow (Spring Freshets and Storm Events)

- i) Maximum increase of 25 mg/l from background levels at any time when background levels are between 25 mg/l and 250 mg/l
- ii) Shall not increase more than 10% over background levels when background is > 250 mg/l

- d. Signage including emergency telephone numbers and contacts are to be posted at the entrance to the Facility.

9. Blasting

- a. The Approval Holder shall have a technical blast design prepared by a qualified person which ensures the ground vibration and air concussion limits in this Approval can be achieved.

(i) At the request of the Department, the Approval Holder shall submit a copy of the blast design.

(ii) At the direction of the Department, the Approval Holder shall modify or cease blasting.

(iii) At the direction of the Department, the Approval Holder shall change the locations of blast monitoring stations.

- b. The Approval Holder shall conduct a pre-blast survey of all structures within 800 metres of the point of blast including a water quality analysis of any wells serving these structures. The survey shall be conducted in accordance with the Department's "Nova Scotia Department of the Environment Procedure For Conducting a Pre-Blast Survey" , latest edition, and the results of this survey sent to the Department prior to blasting on the Site. Water quality parameters for evaluation of the water supply are identified in Table 2. Additional water quality parameters may be required by the Department staff.
- c. The Approval Holder shall call the nearest weather office, to assess the climatic conditions prior to conducting any blasting. No blasting will be permitted if a thermal inversion is anticipated at the time of the proposed blast.
- d. No blasting shall occur on Sunday, on a statutory holiday prescribed by the Province, or on any day between 1800 and 0800 hours.
- e. The Approval Holder shall ensure that all blasts are monitored for concussion and ground vibration to ensure that the limits in Table 3 are not exceeded.
- f. The monitoring station for blasting shall be as indicated in Table 3. Additional monitoring stations for blasting may be specified as required by the Department.
- g. An annual summary of results of monitoring shall be submitted to the Department with the annual report required by Condition 10.
- h. The Approval Holder shall submit a record of individual blast results if so directed by the Department.

10. Reporting

- a. Any upset conditions at the Site, including sampling results, that may have negative public health or environmental impact must be reported to the Department immediately.
- b. An annual report shall be submitted to the Department by April 30 of each year. The report shall include:

Company Name, Approval and NSE File Number, name and signature of person responsible for report preparation.

Brief summary of all sampling done, with an indication of any exceedances and other upset conditions.

Tabulated groundwater and surface water monitoring results, including trend analysis, blasting activities and monitoring results.

Plan showing sampling stations location.

Plan and table showing status of progressive reclamation at the site (total disturbed area, completed reclamation, rehabilitation in-progress)

Any other information requested by Department.

11. Reclamation

- a. The site shall be progressively reclaimed and rehabilitated where possible by grading contouring, infilling and re-vegetating the disturbed land in accordance with a preliminary reclamation plan dated July 14, 2015 and subsequent approved rehabilitation plans.
- b. The Approval Holder shall submit a revised rehabilitation plan to the Department for review by February 1, 2019. The rehabilitation plan shall be revised and updated every three year thereafter and submitted for review. The rehabilitation plan shall include the estimated total cost for labour, equipment, supplies and services of a third party contractor to undertake the following activities:
 - i) surface contouring
 - ii) establishing proper drainage
 - iii) revegetation work
 - iv) evaluation of Pond Brook capacity to accept flows from the proposed lake.
 - v) sampling and disposal of any contaminated soils
 - vi) hazardous material survey
 - vii) any work necessary to reclaim the Facility
- c. Before the expiry of the current security, the Approval Holder shall post a final security which shall be calculated using the rehabilitation plan and factors in item b) above. The final security shall be revised every three years in accordance with the revised rehabilitation plan.
- d. The Approval Holder shall rehabilitate the Site within twelve (12) months of abandonment and in accordance with the rehabilitation plan submitted by the Approval Holder in Condition 11 (b) or other terms as specified by the Department.
- e. Nova Scotia Environment shall release the security to the Approval Holder after final rehabilitation of the Site has been completed to the satisfaction of the Minister or Administrator. The Approval Holder shall notify the Department when rehabilitation has been completed.
- f. The Approval Holder shall ensure that any security posted for rehabilitation be kept valid for the term of the Approval.

12. Site Specific Conditions

- a. The boundaries of the Site will be cut out and kept reasonably clear of new growth and the corner boundaries shall be clearly marked with permanent markers no less than four feet high.
- b. Development of the mine shall not exceed the extent of 10 year development line shown on the appended plan enclosed with the application entitled "Extent of 10-Year Development", Figure 1."
- c. Blasting and rock removal shall not progress toward Shubenacadie River closer than the current development (2016) shown on the map "National Gypsum (Canada) Ltd dated 18-12-15 submitted by Stantec Consulting Ltd., with letter dated January 4,2016 (File 121511228.400) signed by Kelley Fraser,MES.
- d. Refueling and vehicle maintenance shall only be carried out in a designated refueling area where conditions will allow the containment of any accidental spills.
- e. The surface of the refueling area shall be comprised of low permeability material and shall be sloped or bermed in such a way that spills will be captured prior to encountering a watercourse, wetland or water resource.

Table 1

Parameter	Limits	Location	Frequency
TSS	As stipulated in 6d(i)	NG2, NG5, UpNG1, DnNG1, NG1, MB	monthly (discharge events)
pH	As stipulated in 6d(ii)	NG1, NG2, NG5 MB	monthly
Oil and Grease	1.0 mg/l	NG1 Other sampling sites, when requested by NSE	monthly
Fish Toxicity	Pass	NG1 Other sampling sites, when requested by NSE	semi-annually
Ammonia Nitrogen	Non-toxic	NG1 Other sampling sites, when requested by NSE	monthly

Toxicity testing shall be conducted using the 96 hr Acute Lethality Test of Effluent to Rainbow Trout, Environment Canada Biological Test Method: Reference Method for Determining Acute Lethality of Effluents to Rainbow Trout, EPS 1/RM/13 Second Edition, 2000 or latest revision.

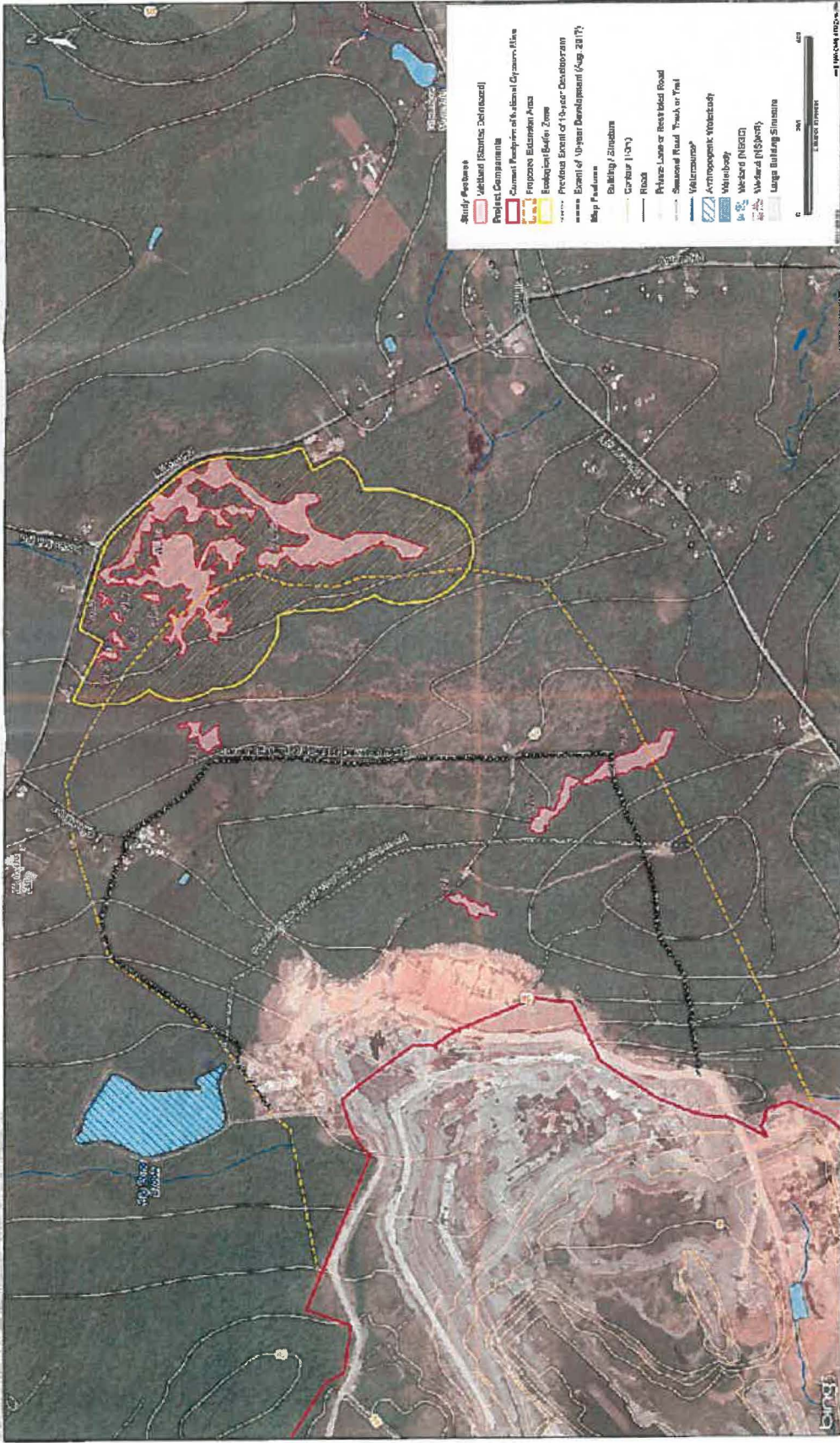
**TABLE 2
PARAMETERS FOR WATER ANALYSIS**

Sodium	Aluminum
Potassium	Arsenic
Calcium	Antimony
Magnesium	Barium
Hardness	Beryllium
Alkalinity	Boron
Bicarbonate	Cadmium
Carbonate	Chromium
Sulphate	Cobalt
Chloride	Lead
Silica	Lithium
Nitrate-Nitrite	Molybdenum
Ammonia	Nickel
Ortho-phosphorus	Selenium
Total Organic Carbon	Strontium
Total Suspended Solids	pH
Thallium	Colour
Tin	Turbidity
Vanadium	Conductivity
Uranium	Iron
Manganese	Field pH
Copper	Field Temperature
Zinc	Fecal Coliforms, Total Coliforms

Table 3

Blasting Limits

Parameters	Maximum	Monitoring Frequency	Monitoring Station
Concussion (Air Blast)	128 dBL	Every Blast	Within 7 m of the nearest structure not located on the Site
Ground Vibration	0.5 in/sec (12.5 mm/s)	Every Blast	Below grade or less than 1 m above grade in any part of the nearest structure not located on the Site



Extent of 10-Year Development
 Figure 1

MapScale
 Environmental
 National Center for Wetland
 10/19/2017

Appendix E PUBLIC ENGAGEMENT RESOURCES



E.1 INFORMATION BULLETEN DISTRIBUTED TO RESIDENTS

Gold Bond Proposed Quarry Expansion Project Information Sheet

Project Overview

Gold Bond Canada Ltd. (formerly known as National Gypsum Canada Ltd.) proposes to extend its quarry activities at the existing facility near Milford Station, Nova Scotia (refer to Figure 1 on reverse). The mineral deposit that Gold Bond has been mining for nearly 70 years, producing over 134 million tons, is continuous and runs for at least four kilometers in the northeast direction. The current operation is approximately 445 ha in area with a 9-ha ecological buffer located to the east of the mine. The proposed expansion will incorporate land directly north of the existing mine to increase the total size of the operation by an additional 14 ha, approximately. The mine currently supplies gypsum rock for three wallboard plants in the Maritimes and eastern US.

The proposed project activities will be consistent with current mining operations. The mine is operating under an Industrial Approval that was obtained from Nova Scotia Environment (NSE) in 2015, pursuant to Division V of the *Activities Designation Regulations*. The project will allow for continued gypsum production.

Blasting, crushing, and stockpiling are proposed to take place at the expansion site. Daily blasting will be conducted by a licensed blasting employee with monitoring conducted and reported. Materials will be stored at the site until transported to markets via rail and truck. It is anticipated that production and rail transportation activity will be similar to current conditions and may vary with market demand for the gypsum. The proposed operating schedule is consistent with the current operating schedule.

Environmental Assessment Process

Gold Bond is required to register this project as a Class I Undertaking pursuant to the Nova Scotia *Environment Act* and *Environmental Assessment Regulations*. The environmental assessment registration is currently being prepared by environmental consultant Stantec, on behalf of Gold Bond, to fulfill these regulatory requirements. The Environmental Assessment Registration will be prepared in accordance with the Guide to Preparing an Environmental Assessment Registration Document for Mining Developments in Nova Scotia (NSE 2009).

Other relevant provincial regulations include the *Activities Designation Regulations*, which requires an Industrial Approval amendment from Nova Scotia Environment for the mining operation, and the *General Blasting Regulations* made pursuant to the Nova Scotia *Occupational Health and Safety Act* (1996).

The environmental assessment registration will evaluate potential environmental effects of the expansion and identify appropriate mitigation and monitoring, where necessary, to reduce any adverse effects. The environmental assessment registration document will be available for public review and comment once it is filed with Nova Scotia Environment and Climate Change (NSECC).

Environmental Document Components

The environmental registration document focuses on those aspects of the environment that are of most concern. Components to be evaluated include:

- rare and sensitive flora
- wildlife
- wetlands
- surface water resources
- groundwater resources
- archaeological and heritage resources
- atmospheric environment (includes dust and noise)
- socio-economic environment
- Mi'kmaq traditional land use

Potential effects of mining activities on these components will be addressed in the registration document.

The proposed expansion will be progressively rehabilitated. Based on the proposed mitigative measures and compliance with government guidelines and approvals, significant adverse environmental or socio-economic effects from the mine expansion are not anticipated.

Community Involvement

Gold Bond is proud of its community involvement, and annually provides financial support to the following organizations in the area: Lions Club, Carroll's Corner Community Association, Mission to Seafarers, United Church, CHAPS, East Hants Family Resource Centre, and the Corridor Community Options for Adults. The company has also donated land on the border of the property to be developed into a walking trail, provides scholarship funds to the schools in the area, and has in the past donated pieces of heavy equipment to be used on different community projects.

Contacts

If you have any questions or concerns about this project, please contact:

Gold Bond
Jeff Newton, Plant Manager
1707 Highway 2, Milford Station, NS B0N 1Y0
Tel: (902) 883-2224 x 227
E-mail: jeffn@goldbondcanada.com



E.2 INVITATION TO THE 2024 OPEN HOUSE

Want to know more about the proposed Gold Bond gypsum quarry expansion?

We're hosting an open house to answer your questions and fill you in on the project details. No RSVP is required.

When: **March 27, 2024**
2pm-6pm
Carroll's Corner Community Centre
9 Milford Road, Carroll's Corner, NS

We'll provide:

- An overview of mine activities and the proposed expansion
- Information on the environmental assessment process
- Information on studies taking place as part of the environmental assessment
- Light refreshments

For more info, contact:

Jeff Newton - Gold Bond
jeffn@goldbondcanada.com
902.883.2224 ext.227



Appendix F RECORD OF AVIAN SURVEYS



GOLD BOND GYPSUM MINE EXPANSION PROJECT

Table F.1 Record of Avian Surveys

Date	Survey Method	Bird Name	Count	Breeding
6/9/2023	Atlas Search	Song Sparrow	1	Singing Male
6/9/2023	Atlas Search	Ruby-throated Hummingbird	1	No Breeding Evidence
6/9/2023	Atlas Search	Ovenbird	1	Singing Male
6/9/2023	Atlas Search	Black-throated Green Warbler	1	Singing Male
6/9/2023	Atlas Search	Red-eyed Vireo	1	Singing Male
6/9/2023	Atlas Search	Northern Parula	1	Singing Male
6/9/2023	Atlas Search	Ovenbird	1	Singing Male
6/9/2023	Atlas Search	Common Yellowthroat	1	Singing Male
6/9/2023	Atlas Search	Black-and-White Warbler	1	Singing Male
6/9/2023	Atlas Search	Least Flycatcher	1	Singing Male
6/9/2023	Atlas Search	Red-eyed Vireo	1	Singing Male
6/9/2023	Atlas Search	Blue Jay	1	No Breeding Evidence
6/9/2023	Atlas Search	Hermit Thrush	1	Eggs in Nest
6/9/2023	Atlas Search	Winter Wren	1	Singing Male
6/9/2023	Atlas Search	Ovenbird	2	Agitated Behaviour
6/9/2023	Atlas Search	Black-capped Chickadee	1	Singing Male
6/9/2023	Atlas Search	Black-and-White Warbler	2	Pair with Suitable Nest
6/9/2023	Atlas Search	Red-eyed Vireo	1	No Breeding Evidence
6/9/2023	Atlas Search	Winter Wren	1	Singing Male
6/9/2023	Atlas Search	Black-throated Blue Warbler	1	Singing Male
6/9/2023	Atlas Search	Black-throated Green Warbler	1	Singing Male
6/9/2023	Atlas Search	Ovenbird	1	Singing Male
6/9/2023	Atlas Search	Ovenbird	1	Singing Male
6/9/2023	Atlas Search	American Goldfinch	1	No Breeding Evidence
6/9/2023	Atlas Search	Blue-headed Vireo	1	Singing Male
6/9/2023	Atlas Search	Peregrine Falcon	1	Agitated Behaviour
6/9/2023	Atlas Search	Northern Parula	1	Singing Male
6/9/2023	Atlas Search	Song Sparrow	2	Agitated Behaviour
6/9/2023	Atlas Search	Black-and-White Warbler	1	Agitated Behaviour
6/9/2023	Atlas Search	Red-eyed Vireo	1	Singing Male
6/9/2023	Atlas Search	American Robin	1	Singing Male
6/9/2023	Atlas Search	Black-capped Chickadee	1	No Breeding Evidence
6/9/2023	Atlas Search	Ovenbird	1	Singing Male
6/9/2023	Atlas Search	Blue-headed Vireo	1	Singing Male
6/9/2023	Atlas Search	Black-throated Green Warbler	1	Singing Male
6/9/2023	Atlas Search	Ovenbird	1	Singing Male



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Table F.1 Record of Avian Surveys

Date	Survey Method	Bird Name	Count	Breeding
6/9/2023	Atlas Search	Hermit Thrush	1	Singing Male
6/9/2023	Atlas Search	American Goldfinch	1	No Breeding Evidence
6/9/2023	Atlas Search	Eastern Wood-Pewee	1	Singing Male
6/9/2023	Atlas Search	Hermit Thrush	1	No Breeding Evidence
6/9/2023	Atlas Search	Ovenbird	1	Singing Male
6/9/2023	Atlas Search	Red-eyed Vireo	1	Singing Male
6/9/2023	Atlas Search	Song Sparrow	1	Singing Male
6/9/2023	Atlas Search	American Robin	1	No Breeding Evidence
6/9/2023	Atlas Search	Black-capped Chickadee	1	No Breeding Evidence
6/9/2023	Atlas Search	Red-eyed Vireo	1	Singing Male
6/9/2023	Atlas Search	Golden-crowned Kinglet	1	Singing Male
6/9/2023	Atlas Search	Eastern Wood-Pewee	1	Singing Male
6/9/2023	Atlas Search	Hermit Thrush	1	Singing Male
6/9/2023	Atlas Search	Blue Jay	1	No Breeding Evidence
6/9/2023	Atlas Search	Northern Parula	1	Singing Male
6/9/2023	Atlas Search	Ovenbird	1	Singing Male
6/9/2023	Atlas Search	Ovenbird	1	Singing Male
6/9/2023	Atlas Search	Hermit Thrush	1	Singing Male
6/9/2023	Atlas Search	Winter Wren	1	Singing Male
6/9/2023	Atlas Search	Mourning Dove	1	Singing Male
6/9/2023	Atlas Search	Peregrine Falcon	1	No Breeding Evidence
6/9/2023	Atlas Search	Ruffed Grouse	1	Singing Male
6/9/2023	Atlas Search	Dark-eyed Junco	1	No Breeding Evidence
6/9/2023	Atlas Search	Song Sparrow	1	No Breeding Evidence
6/9/2023	Atlas Search	American Robin	1	Singing Male
6/9/2023	Atlas Search	Red-breasted Nuthatch	1	No Breeding Evidence
6/9/2023	Atlas Search	Red-eyed Vireo	1	Singing Male
6/9/2023	Atlas Search	Ovenbird	1	Singing Male
6/9/2023	Atlas Search	Golden-crowned Kinglet	1	Singing Male
6/9/2023	Atlas Search	Red-eyed Vireo	1	Singing Male
6/9/2023	Atlas Search	Black-and-White Warbler	1	Singing Male
6/9/2023	Atlas Search	Song Sparrow	1	Singing Male
6/9/2023	Atlas Search	Blue Jay	1	No Breeding Evidence
6/9/2023	Atlas Search	Hairy Woodpecker	1	No Breeding Evidence
6/9/2023	Atlas Search	Black-capped Chickadee	1	No Breeding Evidence
6/9/2023	Atlas Search	Chestnut-sided Warbler	1	Singing Male



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Table F.1 Record of Avian Surveys

Date	Survey Method	Bird Name	Count	Breeding
6/9/2023	Atlas Search	Blue Jay	1	No Breeding Evidence
6/9/2023	Point Count 1	Ovenbird	1	None Recorded
6/9/2023	Point Count 1	Red-Eyed Vireo	1	None Recorded
6/9/2023	Point Count 1	American Robin	1	None Recorded
6/9/2023	Point Count 1	Ovenbird	1	None Recorded
6/9/2023	Point Count 1	American Crow	1	None Recorded
6/9/2023	Point Count 1	Winter Wren	1	None Recorded
6/9/2023	Point Count 1	Hermit Thrush	1	None Recorded
6/9/2023	Point Count 1	Ovenbird	1	None Recorded
6/9/2023	Point Count 1	Black-and-White Warbler	1	None Recorded
6/9/2023	Point Count 1	Eastern Wood Pewee	1	None Recorded
6/9/2023	Point Count 2	Winter Wren	1	None Recorded
6/9/2023	Point Count 2	Red-Eyed Vireo	1	None Recorded
6/9/2023	Point Count 2	Red-Eyed Vireo	1	None Recorded
6/9/2023	Point Count 2	American Robin	1	None Recorded
6/9/2023	Point Count 2	Ovenbird	1	None Recorded
6/9/2023	Point Count 2	Black-and-White Warbler	1	None Recorded
6/9/2023	Point Count 2	American Crow	1	None Recorded
6/9/2023	Point Count 2	American Robin	1	None Recorded
6/9/2023	Point Count 2	Northern Parula	1	None Recorded
6/9/2023	Point Count 2	Blackburnian Warbler	1	None Recorded
6/9/2023	Point Count 3	Eastern Wood Pewee	1	None Recorded
6/9/2023	Point Count 3	Golden Crowned Kinglet	1	None Recorded
6/9/2023	Point Count 3	Red-Eyed Vireo	1	None Recorded
6/9/2023	Point Count 3	Ovenbird	1	None Recorded
6/9/2023	Point Count 3	Red-Eyed Vireo	1	None Recorded
6/9/2023	Point Count 3	Black-and-White Warbler	1	None Recorded
6/9/2023	Point Count 3	Song Sparrow	1	None Recorded
6/9/2023	Point Count 3	Blue Jay	1	None Recorded
6/9/2023	Point Count 3	Ovenbird	1	None Recorded
6/9/2023	Point Count 3	American Crow	1	None Recorded
6/9/2023	Point Count 3	Hairy Woodpecker	1	None Recorded
6/9/2023	Point Count 3	Black-capped Chickadee	1	None Recorded
6/9/2023	Point Count 3	Hermit Thrush	1	None Recorded
6/9/2023	Point Count 3	Chestnut-sided Warbler	1	None Recorded
7/27/2023	Incidental	Peregrine Falcon	2	Pair with Suitable Nest



GOLD BOND GYPSUM MINE EXPANSION PROJECT

Table F.1 Record of Avian Surveys

Date	Survey Method	Bird Name	Count	Breeding
7/27/2023	Incidental	Eastern Wood-Pewee	1	Singing Male
7/27/2023	Incidental	Eastern Wood-Pewee	1	Singing Male
7/28/2023	Incidental	Red-tailed Hawk	1	No Breeding Evidence

