NOVA SCOTIA

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APPROVAL

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

APPROVAL HOLDER: SCOTIA MINE LIMITED

SITE PID: 00369363, 00373423, 00373621, 00522201, 00522623, 20080495, 20080511, 20080529, 20158176, 20158184, 20223418, 20313250, 20416384, 40227951, 40227969, 40227985, 40290256, 40290264, 40291452, 40312092, 40746786, 40757577, 40763872, 41094400, 41239542, 41283268, 41358128, 41358136

APPROVAL NO: 2006-055136-06

EXPIRY DATE: February 23, 2027

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 - Mineral Processing Plant
Industrial - Minerals - Surface Mine

Administrator: Malcolm MacNeil

Effective Date: July 16, 2026

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 Department of Environment and Climate Change

Approval Holder: SCOTIA MINE LIMITED

Project: Scotia Mine - Gays River Lead/Zinc Mine and Mineral Processing Facility, ScoZinc

Site:

PID	Civic #	Street Name	Street Type	Community	County
00369363					
00373423	2575	HIGHWAY 277	HWY.	CARROLLS CORNER	HALIFAX COUNTY
00373621					
00522201					
00522623					
20080495					
20080511					
20080529					
20158176					
20158184					
20223418					
20313250					
20416384					
40227951					
40227969					
40227985					
40290256					
40290264	15601	HIGHWAY 224	HWY.	COOKS BROOK	HALIFAX COUNTY
40291452					
40312092					
40746786					
40757577					
40763872					
41094400					
41239542					
41283268					
41358128					
41358136					

Approval No: 2006-055136-06

Reference Documents

- Application submitted February 26, 2024 and attachments.
- Application submitted December 20, 2018 and attachments.
- Application submitted December 16, 2011 and attachments.
- Application submitted January 5, 2017 and attachments.
- Application submitted November 27, 2006 and attachments.

1. Definitions

a. Act means Environment Act. 1994-95, c.1, s.1, and includes, unless the context otherwise requires, the regulations made pursuant to the Act, as amended from time to time.

b. Associated works means any building, structure, processing facility, stockpiles, or other related infrastructure.

c. Byproducts means limestone, gypsum, dolomite, anhydrite, sand and gravel.

d. Construction means all work that includes but is not to be limited to, grubbing, development of the Tailings Management Facility and all other infrastructure, required to prepare the Site for ore processing.

e. Day(s) means calendar day unless otherwise stated.

f. Department means the Nova Scotia Department of Environment and Climate Change, and the contact for the Department for this approval is:

Nova Scotia Department of Environment and Climate Change
Central Region, Bedford Office,
Suite 115, 30 Damascus Road,
Bedford, Nova Scotia, B4A 0C1.

Phone:(902) 424-7773
Fax:(902) 424-0597

g. Disturbed Area means any area of the Site that has been stripped of vegetation and is susceptible to erosion.

h. Effluent Discharge Point means the last location at which effluent quality is controlled prior to release to the receiving environment.

i. Facility means the open pit mines, Mineral Processing Plant, Tailings Management Facility, stockpiles, and associated works on Site.

j. Grubbing means work that consist of removing and disposing of all stumps, roots, downed timber, embedded logs, humus, root mat and topsoil from areas of excavations and embankments.

k. Minister means the Minister of Environment and Climate Change and includes any person delegated the authority of the Minister.

l. Ore processing means the sequence of operations performed in a mill or processing plant to separate and concentrate commercially valuable minerals from mined ore.

m. Production means the development, mining, processing of ore to produce lead/zinc concentrate and byproducts.

n. Province means the responsible regulatory Department(s) within the government of Nova Scotia.

o. Qualified Person as it relates to noise, means one who has certified postsecondary education and/or professional training in acoustics, and a minimum of 5 years of experience in the field of environmental noise, or as otherwise authorized by the Department.

p. Qualified Person as it relates to air quality, means one who has certified postsecondary education and/or professional training related to ambient (outdoor) air quality, and a minimum of 5 years of experience in the field of ambient (outdoor) air quality, or as otherwise authorized by the Department.

q. Qualified Professional as it relates to surface water, groundwater, construction and/or geotechnical, means who is registered with Engineers Nova Scotia or Association of Professional Geoscientists of Nova Scotia.

r. Rehabilitation as defined in the Environment Act. In this Approval, definition of reclamation is synonymous with rehabilitation.

s. Site means a place where a designated activity and/or undertaking is occurring or may occur.

t. Structure includes but 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.

u. Third-party qualified professional means an individual or other party not affiliated with or controlled by the Approval Holder(s) and includes an individual or party retained by or financially compensated by the Approval Holder(s) to provide the requisite services in an objective, neutral, impartial and unbiased manner.

2. Scope

a. This Approval (the "Approval") relates to the Approval Holder(s) and their application and supporting reference documents, and all documentation submitted to the Department prior to the issuance of this Approval for the construction, operations and reclamation of a Mineral Processing Plant and Surface Mine situated at or near Scotia Mine for the extraction of lead, zinc, and gypsum. The mining, processing, or extraction of any other minerals is not permitted under this Approval and may occur only upon receipt of written authorization from the Department.

b. The Approval Holder(s) shall ensure the designated activity is carried out in accordance with this Approval and reference documents, including the application and supporting documentation.

c. The Facility and Site boundaries shall not exceed the area as outlined in Appendix A.

d. The maximum elevation of the north waste stockpile shall not exceed 55 metres above sea level and the maximum elevation of the south waste stockpile shall not exceed 88 metres above sea level.

e. The Approval Holder(s) shall not remove tailings, waste rock, slag, or historic tailings from the Site.

f. The Approval Holder(s) shall only dispose of tailings associated with the Facility in the designated Tailings Management Facility.

g. The Approval Holder(s) shall maintain a minimum separation distance of thirty (30) metres between the Facility and outer property boundaries of the Site unless otherwise authorized in writing by the Department.

h. This Approval supersedes previous Approval number 2006-055136-05 which is now null and void.

3. General

a. Unless otherwise specified in this approval, the Approval Holder(s) shall conduct the Designated Activity in accordance with the following provisions:

   i. The Act, as amended from time to time; and

   ii. Any standard or guideline adopted by the Department, as amended from time to time.

b. Nothing in this Approval relieves the Approval Holder(s) of the responsibility for obtaining and paying for all licenses, permits, approvals or authorizations necessary for carrying out the work authorized to be performed by this Approval which may be required by municipal by-laws, provincial or federal legislation, or other organizations. The Minister does not warrant that such licenses, permits, approvals or other authorizations will be issued.

c. No authority is granted by this Approval to enable the Approval Holder(s) to commence or continue the designated activity 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. The

Approval Holder(s) shall provide, to the Department, proof of such control or ownership upon expiry of any relevant lease or agreement. Failure to retain said authorization may result in this Approval being cancelled or suspended.

d. 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.

e. 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.

f. The Approval Holder(s) shall not transfer, sell, lease, assign or otherwise dispose of this Approval without the written consent of the Minister. The sale of a controlling interest of a business or a transfer of the approval from a parent company to a subsidiary or an affiliate is deemed to be a transfer requiring consent.

g. If the Minister cancels or suspends this Approval, the Approval Holder(s) remains subject to the penalty provisions of the Act.

h. The Approval Holder(s) shall advise the Department in writing prior to any proposed extensions or modifications to the Activity and/or the Site. An amendment to this Approval may be required before implementing any extension or modification.

i. The Approval Holder(s) shall immediately notify the Department of any incidents of non-compliance with this Approval.

j. The Approval Holder(s) shall bear all expenses incurred in carrying out the environmental monitoring required under the terms and conditions of this Approval.

k. For groundwater wells, all sampling and analysis shall be performed in accordance with the following as amended from time to time: Standard Methods for Examination of Water and Wastewater, or the analytical methods section of Health Canada's guideline technical document for the parameter of concern. All samples shall be collected by persons trained in appropriate sample collection procedures.

l. Unless specified otherwise in this Approval, all samples required to be collected by this Approval shall be collected, preserved and analysed, by Qualified Professional, or under the direction of a Qualified Professional, in accordance with recognized industry standards and procedures that are all deemed acceptable to the Department.

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 present on Site while personnel are on Site.

o. The Approval Holder(s) shall ensure that personnel directly involved in the designated activity are made fully aware of the terms and conditions of this Approval.

p. Upon any changes to the Registry of Joint Stock Companies information, the Approval Holder(s) shall provide a copy to the Department within five (5) business days.

q. The Approval Holder(s) shall ensure that legible signage is posted at all access points to the Site that includes, but is not limited to,

   i. information pertaining to the days and hours of operation; and

   ii. and emergency contact numbers.

4. Noise

a. The Approval Holder(s) shall ensure that noise generated from the designated activity complies with the criteria identified in the Department's "Guidelines for Environmental Noise Measurement and Assessment" dated October 1, 2023, as amended from time to time.

b. At least ninety (90) days prior to the start of blasting, the Approval Holder(s) shall prepare a Noise Monitoring Plan, prepared by a Qualified Person, in accordance with the Department's "Guidelines for Environmental Noise Measurement and Assessment, 2023", as amended from time to time, that includes the changes identified in the Industrial Approval Amendment Application submitted to the Department on February 24, 2024. The Noise Monitoring Plan shall be delivered to the Department upon request.

   i. The Noise Monitoring Plan shall include, but not be limited to:

      (a) The sound level meter(s) used, including the model, and calibration frequency;

      (b) Procedures for monitoring and documenting meteorological conditions during sampling;

      (c) Proposed monitoring locations with GPS coordinates (UTM NAD83 or WGS84);

      (d) A figure showing the monitoring locations, facility property, nearby receptors, and the significant noise sources; and

      (e) Parameters to be sampled and the frequency of sampling;

c. If noise levels exceed the criteria listed in Section 4 of this Approval, the Approval Holder(s) shall submit to the Department, for review and acceptance, a Corrective Action Plan prepared by a Qualified Person within thirty (30) days of the exceedance.

   i. The Corrective Action Plan shall include, not be limited to, the following:

(a) The source of the non-compliance.

(b) Mitigation measure(s) required to achieve compliance with criterion listed in this Approval.

(c) A timeline for when mitigative measures are expected to be implemented and how long it will take to do so.

(d) A plan and timeline for monitoring to evaluate the effectiveness of the implemented mitigation measure(s).

ii. The Approval Holder(s) shall implement the Corrective Action Plan upon acceptance by the Department.

d. The Department reserves the right to require modifications to the Noise Monitoring Plan including, but not limited to, monitoring locations, monitoring frequency, and parameters.

5. Air Quality and Air Emissions

a. The Approval Holder(s) shall ensure that air emissions from the designated activity do not contribute to an exceedance of the maximum permissible ground level concentrations of contaminants specified in the Air Quality Regulations.

b. The use of oil as a dust suppressant is prohibited.

c. At least ninety (90) days prior to the start of grubbing, the Approval Holder(s) shall submit, for review and acceptance, an Ambient Air Monitoring Plan prepared by a Qualified Person in accordance with Section 2 of the Department's "Air Assessment Guidance Document" as amended from time to time that includes the changes identified in the Industrial Approval Amendment Application submitted to the Department on February 24, 2024, and shall include proposed compliance criteria for lead and zinc.

i. The Ambient Air Monitoring Plan shall be implemented upon acceptance by the Department.

d. If the limits in the accepted Ambient Air Monitoring Plan are exceeded, the Approval Holder(s) shall submit to the Department, for review and acceptance, a Corrective Action Plan prepared by a Qualified Person within thirty (30) days of the exceedance.

i. The Corrective Action Plan shall include, not be limited to, the following:

(a) The source of the non-compliance.

(b) Mitigation measure(s) required to achieve compliance with criterion listed in this Approval.

(c) A timeline for when mitigative measures are expected to be implemented and how long it will take to do so.

(d) A plan and timeline for monitoring to evaluate the effectiveness of the implemented mitigation measure(s).

ii. The Approval Holder(s) shall implement the Corrective Action Plan upon acceptance by the Department.

e. The Approval Holder(s) shall install and operate a meteorological station on site capable of continuously measuring and record wind speed and wind direction.

f. At least ninety (90) days prior to the start of ore processing, the Approval Holder(s) shall submit, for review and acceptance, an updated Air Emissions Monitoring Plan in accordance with Section 3 of the Department's "Air Assessment Guidance Document" as amended from time to time that includes the changes identified in the Industrial Approval Amendment Application submitted to the Department on February 24, 2024.

i. The Air Emissions Monitoring Plan shall be implemented upon acceptance by the Department.

g. At least ninety (90) days prior to the start of ore processing, the Approval Holder(s) shall submit, for review and acceptance, an Air Dispersion Modeling Assessment in accordance with Section 4 of the Department's "Air Assessment Guidance Document" as amended from time to time.

6. Surface Water

a. The Approval Holder(s) shall ensure the Site is developed and maintained to prevent contaminants from being discharged into a water resource or beyond the property boundary in excess of the limits authorized by this Approval.

b. The Approval Holder(s) shall ensure that the following water quality limits are met in the water resource downstream of Site activities:

i. Total Suspended Solids, Clear Flows (Normal Background Conditions):

(a) Maximum increase of 25 mg/l from background levels for any short term exposure (24 hour or less);

(b) Maximum average increase of 5 mg/l from background levels for longer term exposure (inputs lasting between 24 hours and 30 days).

ii. Total Suspended Solids, High Flow (Spring Freshets and Storm Events):

(a) Maximum increase of 25 mg/l from background levels at any time when background levels are between 25 mg/l and 250 mg/l;

(b) Maximum increase of 10% over background levels when background is >250 mg/l.

iii. The Approval Holder(s) shall use the following stations to determine background concentrations:
SW-2 for Gays River

SW-19 for South Branch of Gays River

c. Additional surface water monitoring may be required at the request of the Department.

d. No authority is granted by this Approval to enable the Approval Holder(s) to discharge surface water onto adjoining lands without the authorization of the affected landowner(s).

e. The Approval Holder(s) shall install and maintain erosion and sedimentation controls in line with industry best practices (e.g., Nova Scotia Environment Erosion and Sediment Control Handbook for Construction Sites, and Guide to Developing Erosion and Sediment Control Plans) as work progresses. The controls shall remain in place until areas disturbed by construction activities are stabilized so that the risk of release of sediment to a water resource has been mitigated.

f. The Approval Holder(s) shall retain the services of a Qualified Professional to inspect, design, report and advise on the status of soil erosion and sedimentation controls if directed by the Department.

g. The Approval Holder(s) shall ensure that surface water runoff that may be impacted by petroleum hydrocarbons from the Site is collected and directed for necessary treatment prior to discharge from Site.

h. The Approval Holder(s) shall ensure that erosion control materials are clean, non-erodible, non-ore-bearing, non-watercourse derived and non-toxic.

i. Any silted water pumped from work areas shall be directed to vegetated areas, settling ponds, or other treatment devices that mitigate the risk of release of sediment to a water resource.

j. The Approval Holder(s) shall ensure that the following activities take place at a distance of a minimum of thirty (30) metres from a surface watercourse or wetland in an area such that a release will not enter a surface watercourse or wetland:

   i. Fuel storage, refueling, and/or lubrication of equipment

   ii. Washing of machinery or equipment

   iii. Storage of equipment, excavated/stockpiled materials, and potential contaminants

7. Surface Water Monitoring

a. Until such time a Surface Water Compliance Program is accepted in writing by the Department, the Approval Holder(s) shall maintain the established monitoring program contained in Approval 2006-055136-05.

b. At least ninety (90) days prior to the start of grubbing, the Approval Holder(s) shall submit to the Department for review and acceptance, a Surface Water Compliance Program (SWCP) prepared by a Third-party Qualified Professional that includes:

    i. A conceptual site model which includes at a minimum detailed Site plan(s) (site boundaries, property boundaries, water course names, flow direction, site infrastructure, etc) and potential sensitive receptors;

    ii. Proposed surface water sampling locations with GPS coordinates (UTM NAD83 or WGS84);

    iii. Toxicants and parameters to be sampled and the frequency of sampling;

    iv. Background and/or Baseline calculations, as appropriate for the Site and sampling location, and supporting data sets along with any other supporting information or rationale for the statistical methods used;

    v. Proposed compliance criteria and methods for determining compliance (eg. statistical trends, Biomet lookup tool, Major Ion Calculator, etc), including all data used in any derivations and complete technical rationale for the proposed compliance criterion;

        (a) The Polishing Pond shall be protective of aquatic life, unless otherwise authorized in writing by the Department.

    vi. An explanation by the Third-party qualified professional for any proposed compliance criteria exceeding Tier 1 Environmental Quality Standards (EQS), baseline, or background (including supporting data sets);

    vii. Quality Assurance / Quality Control Program; and

    viii. Any other item(s) requested by the Department.

c. Once accepted by the Department, the Approval Holder(s) shall:

    i. Conduct surface water sampling in accordance with the current SWCP; and

    ii. Comply with the compliance criteria outlined in the current SWCP.

d. The Approval Holder(s) shall submit to the Department, for review and acceptance, any proposed changes to the SWCP, prepared by a Third-party Qualified Professional that includes:

    i. Identification of any proposed changes and the rationale for the changes, including all data and technical rationale;

    ii. All items required by this Approval to be included in a SWCP; and

    iii. Revision number and date.

e. If surface water quality exceeds the criteria listed in the Department approved SWCP, within three (3) months of the exceedance, the Approval Holder(s) shall submit to the Department a Corrective Action Plan, for review and acceptance, prepared by a Qualified Professional.

   i. Corrective Action Plan shall include, but not limited to, the following:

      (a) Identify potential source(s) of the non-compliance;

      (b) Identify and evaluate contributing factors associated with the non-compliance;

      (c) Identify additional data collection required to assess risk(s) associated with the non-compliance, design and implement appropriate mitigation measure(s);

      (d) Proposed mitigation measure(s) required to maintain compliance with criteria authorized by the SWCP;

      (e) A timeline for when any proposed mitigative measures are expected to be implemented and how long it will take to do so; and

      (f) A proposed plan and timeline for monitoring to evaluate the effectiveness of the implemented mitigation measure(s).

   ii. The Approval Holder(s) shall implement the Corrective Action Plan upon acceptance by the Department.

f. Upon request of an Inspector, the Approval Holder(s) shall prepare and submit an updated SWCP by the due date required by the Inspector. The revised SWCP shall include any information, assessments, or modifications required by the Inspector. The submission shall be prepared by a Third-party Qualified Professional.

   i. The updated SWCP shall be implemented upon acceptance by the Department.

g. Notwithstanding the requirements of this Approval, the Approval Holder(s) shall upgrade environmental control measures if surface water monitoring indicates adverse environmental effects are attributable to activities at the Facility. Environmental control measures shall be upgraded in a manner and timeframe acceptable to the Department.

   i. The Approval Holder(s) shall take all mitigative and remedial measures required to restore surface water quality to the criteria limits authorized by this Approval.

h. The Approval Holder(s) shall maintain a thirty (30) metre undisturbed buffer on all adjacent watercourses and wetlands unless specific approval has been given to alter the watercourse/wetland. The Approval Holder(s) shall obtain written authorization from the Department to encroach within these limits, except for the purpose of installing surface and/or groundwater monitoring station(s).

i. For the the existing Stream Flow Monitoring stations SW-2, SW-4, SG-1, SG-2, the Approval Holder(s) shall:

   i. Maintain four permanent staff gauges and level loggers for recording surface water levels and flow measurements of the Main Branch and South Branch of the Gays River, at stations SW-2 (474900 E / 4985068 N), SW-4 (472431 E / 4986804 N), SG-1 (471506 E / 4985476 N), SG-2 (471721 E / 4986339 N).

   ii. Develop and update on an annual basis a stage-discharge curve for the flow in Gays River surface water monitoring stations SW-2, SW-4, SG-1, SG-2 for the period of June 1 to September 30, to establish the relationship between the water level on the staff gauge and the rate of flow.

   iii. Record water measurements at least once daily between May 15 and October 15, and once per week between October 16 and May 14, to estimate flow through an established stage-discharge curve relationship.

   iv. Submit a report to the Department on or before April 30, 2027, documenting the stage-discharge curves for SW-2, SW-4, SG-1, SG-2.

j. For the Southwest Pit Expansion, the Approval Holder(s) shall:

   i. At least 120 days prior to grubbing, for any purpose, or installation of de-watering facilities, at any location on the Site west of the UTM easting "472424 E" (UTM z20 NAD83), the Approval Holder shall submit for review and authorization, a report detailing a comprehensive stream flow monitoring program for the Main Branch and South Branch of the Gays River.

   ii. Not commence development as specified by this condition until the Department provides written acceptance of a streamflow monitoring program and authorizes commencement of further development.

k. The Report for the Stream Flow Monitoring Program shall include the following:

   i. Details on the flow monitoring stations at SW-2, SW-4, SG-1, SG-2;

   ii. Demonstration that a permanent staff gauge and data logger has been installed at each flow monitoring station, at a location which is accessible between May 15 and October 15 annually, and is partially submerged during low flow;

   iii. Stage-discharge curves for the period May 15 to October 15 for staff gauges at each flow monitoring station, which have been prepared by a qualified person and experienced in low flow hydrology;

   iv. Reports on preparation of stage-discharge curves for stream flow monitoring stations shall be prepared by a qualified person experienced in low flow hydrology and include the following information, as a minimum:

(a) The stage-discharge curve for all flow monitoring locations, for the period of May 15 to October 15. The curves shall be plotted at a scale which clearly shows the low flow end of the curve:

-A best-fit equation describing the low flow stage-discharge relationship;
-A description of the development of the stage-discharge curve; and
-A description of the location chosen for the monitoring stations and rationale for the selection.

v. The Approval Holder(s) shall provide additional information regarding the stage- discharge curves and staff gauges at the request of the Department;

vi. A proposed water level monitoring schedule, which is designed to ensure detection of loss of flow in the river(s) to the surface mine, with a focus on summer low flow conditions;

vii. A proposed schedule and method for evaluating results of stream flow, groundwater level monitoring, and pit dewatering rates, to determine if significant water loss from the river to the surface mine is occurring and if so, through which aquifer and locations. The evaluation shall have a focus on summer low flow conditions and shall occur at a frequency to detect significant stream flow effects within 24 hours, if they start to occur;

viii. Proposed limits of variation between upstream and downstream flows, and groundwater elevation limits at established groundwater monitoring stations, for determining whether water loss from the river to the surface mine is acceptable or requires modifications to mine development to ensure maintenance of adequate flow in the river; and

ix. Include an updated Contingency Plan for responding to loss of water from the river(s) to the surface mine, which shall include notification to the Department.

l. For Flow Monitoring, the Approval Holder(s) shall:

i. Install permanent flow monitoring station(s) by or under the direct supervision of a Qualified Professional;

ii. Install Staff Gauge(s) such that they will be partially submerged if there is any flow in the watercourse;

iii. Ensure permanent Staff Gauge(s) are surveyed in relative to a fixed point on the shoreline, by a surveyor licensed to practice in Nova Scotia;

iv. Immediately re-establish Staff Gauge(s) for any reason staff gauges are dislodged, the Approval Holder(s) shall immediately notify the Department, record this event in the water level log, and immediately re-establish the gauge under the direction of a licensed surveyor, such that the fixed point on the staff gauge corresponds with the same elevation as it did in the initial survey;

v. Ensure all staff responsible for reading staff gauges are trained and deemed competent to understand the water level corresponding to maintenance flow requirements of this Approval;

vi. Comply with any additional requirements of the Department on improving the calibration of the stage-discharge curve;

vii. Follow stream gauging standards that are recognized as industry best practices, such as International Organization for Standardization standard 748:2007 and World Meteorological Organization No. 1044, shall be used in developing the stage-discharge curve;

viii. Collect a minimum of four measurements during initial calibration of a stage-discharge curve for each flow monitoring station. Flow measurements shall be made of depth and flow in the Gays River and South Branch of the Gays River at each location. At least one measurement shall be made in the period between August 15 and September 3 during a low flow stage in the river(s);

ix. Ensure staff gauges at all locations are assessed and verified annually for proper placement and functionality during a low flow period by a Qualified Professional who is experienced in low flow hydrology and, if necessary, resurveyed or relocated and surveyed;

x. Measure and record surface water flow data via staff gauge readings and automated data loggers;

xi. Record Data Logger measurements on at least a bi-weekly basis. The data shall be downloaded, reviewed, and compared to the staff gauge to ensure accuracy of the data loggers. During this data review, the Approval Holder shall compare upstream and downstream flow rates in order to identify potential impacts on the river(s);

xii. Calibrate Data Loggers on at least an annual basis;

xiii. Notify the Department immediately if the proposed limits of variation from baseline or upstream flow are exceeded in the river(s); and

xiv. Comply with any additional requirements of the Department regarding staff gauge(s) and data logger(s).

8. Effluent Monitoring

a. The Approval Holder(s) shall direct all wastewater and surface runoff associated with the Facility to the Tailings Management Facility for treatment prior to release to the environment.

b. The Approval Holder(s) shall maintain all settling ponds to ensure the ponds operate as designed.

c. The Approval Holder(s) shall submit to the Department a copy of all reports required in accordance with the Metal and Diamond Mining Effluent Regulations (MDMER) pursuant to Fisheries Act at the same frequency as required by the Federal Government.

9. Groundwater

a. The Approval Holder(s) shall replace, at their expense, any water supply which has been lost or damaged as a result of the designated activity, as authorized and required by the Department.

b. By October 8, 2026, the Approval Holder(s) shall submit to the Department for review and acceptance, an updated Water Supply Policy.

c. By October 8, 2026 , the Approval Holder(s) shall submit to the Department for review and acceptance, an updated Potable Water Protection Bond estimate.

d. At the request of the Department, the Approval Holder(s) shall submit additional Potable Water Protection Bond money based on updated cost estimates.

e. The Approval Holder(s) shall ensure that the Potable Water Protection Bond is kept valid for the term of this Approval, as a minimum.

f. At the request of the Department, the Approval Holder(s) shall submit additional Potable Water Protection Bond based on updated cost estimates.

10. Groundwater Monitoring

a. Until such time as a Groundwater Compliance Program (GWCP) is accepted in writing by the Department, the Approval Holder(s) shall maintain the established monitoring program contained in Approval 2006-055136-05.

b. By October 8, 2026 , the Approval Holder(s) shall submit to the Department for review and acceptance a GWCP prepared by a Third-party Qualified Professional that includes:

   i. A conceptual site model which includes at a minimum detailed Site plan(s) (site boundaries, property boundaries, water course names, groundwater flow direction, site infrastructure, etc) and potential sensitive receptors;

   ii. Proposed groundwater sampling locations and well heights with GPS coordinates (UTM NAD83 or WGS84);

   iii. Toxicants and parameters to be sampled and the frequency of sampling;

   iv. Background and/or Baseline calculations, as appropriate for the Site and sampling location, and supporting data sets along with any other supporting information or rationale for the statistical methods used;

   v. Proposed compliance criteria and methods for determining compliance (eg. statistical trends, etc), including all data used in any derivations and complete technical rationale for the proposed compliance criterion;

vi. An explanation by the Third-party qualified professional for any proposed compliance criteria exceeding Tier 1 Environmental Quality Standards (EQS), baseline, or background (including supporting data sets);

vii. Quality Assurance / Quality Control Program;

viii. MW-41, MW-42, and MW-43 for a period of no less than 275 days prior to the start of grubbing in the Southwest Pit Expansion Area; and

ix. Any other item(s) requested by the Department.

c. Once accepted by the Department, the Approval Holder(s) shall:

i. Conduct groundwater sampling in accordance with the current GWCP; and

ii. Comply with the compliance criteria outlined in the current GWCP.

d. The Approval Holder(s) shall submit to the Department, for review and acceptance, any proposed changes to the GWCP, prepared by a Third-party Qualified Professional that includes:

i. Identification of any proposed changes and the rationale for the changes, including all data and technical rationale;

ii. All items required by this Approval to be included in a GWCP; and

iii. Revision number and date.

e. Upon request of an Inspector, the Approval Holder(s) shall prepare and submit an updated GWCP by the due date required by the Inspector. The revised GWCP shall include any information, assessments, or modifications required by the Inspector. The submission shall be prepared by a Third-party Qualified Professional.

i. The updated GWCP shall be implemented upon acceptance by the Department.

f. All monitoring wells shall be properly maintained and shall be fitted with a protective well casing and secured.

g. The Approval Holder(s) shall inspect and document the physical condition of each monitoring well during each groundwater sampling event and maintenance performed as required. Any required maintenance shall be completed within a timeframe acceptable to the Department. The results of the monitoring well assessment and any associated repair work shall be delivered to the Department upon request.

h. Monitoring well maintenance, repairs, and decommissioning shall be completed under the supervision of a Qualified Professional, to the satisfaction of the Department, and in a timeframe acceptable to the Department.

i. The Approval Holder(s) shall report immediately to the Department any plans to decommission monitoring well(s).

j. For newly installed monitoring wells, the Approval Holder(s) shall:

   i. Ensure the drilling and installation is overseen by a Qualified Professional and in accordance with recognized industry standards and procedures.

   ii. Within 30 days of completion of monitoring well installation, submit to the Department the borehole and well construction log(s) showing well construction and well location in UTM NAD83 or WGS84 Coordinates and elevations.

k. If groundwater quality exceeds the criteria listed in the Department approved GWCP, the Approval Holder(s) shall:

   i. Within nine (9) months of a non-compliant result submit, to the Department for review and acceptance, a Corrective Action Plan prepared by a Qualified Professional, that includes, but not limited to, the following:

      (a) Identify potential source(s) of the non-compliance;

      (b) Identify and evaluate contributing factors associated with the non-compliance;

      (c) Identify additional data collection required to assess risk(s) associated with the non-compliance, design and implement appropriate mitigation measure(s);

      (d) Proposed mitigation measure(s) required to maintain compliance with criteria authorized by the GWCP;

      (e) A timeline for when any proposed mitigative measures are expected to be implemented and how long it will take to do so; and

      (f) A proposed plan and timeline for monitoring to evaluate the effectiveness of the implemented mitigation measure(s).

   ii. The Approval Holder(s) shall implement the Corrective Action Plan upon acceptance by the Department.

l. Notwithstanding the requirements of this Approval, the Approval Holder(s) shall upgrade environmental control measures if groundwater monitoring indicates adverse environmental effects are attributable to activities at the Facility. Environmental control measures shall be upgraded in a manner and time frame acceptable to the Department.

11. Construction

a. Any overland flow which has the potential to enter the construction area is to be diverted away from the construction site and into vegetated areas.

b. The Approval Holder(s) shall ensure that topsoil/organic material resulting from construction remains segregated and stabilized for reclamation use at the Facility and Site reclamation.

c. Prior to the start of construction, the Approval Holder(s) shall notify the Department that stamped issued-for-construction drawings, prepared by a Qualified Professional, for all infrastructure and associated works are available on site. These drawings shall include, but not be limited to:

   i. The design for collecting surface water runoff from the waste stockpiles and conveying it to the TMF for treatment; and

   ii. Any mill-related modifications, additions, or upgrades referenced in the Industrial Approval Amendment Application submitted to the Department on February 24, 2024.

   iii. Where the Engineer-of-Record (EOR) is not directly involved in the construction updates to the Tailings Management Facility, the Approval Holder(s) shall submit a letter stamped by the EOR confirming that the issued-for-construction drawings have been reviewed and that the EOR agrees with and accepts the construction updates.

d. The Approval Holder(s) shall submit as-built drawing(s) and certification letter, prepared by a Qualified Professional, stating that the infrastructure and/or associated works has been constructed for its intended purpose and is in accordance with the design and specifications.

   i. Within thirty (30) days of completing the work, the Approval Holder(s) shall submit as-built drawing(s) and certification letter, prepared by a Qualified Professional, stating that the infrastructure and/or associated works have been constructed for its intended purpose and is in accordance with the design and specifications.

e. The Approval Holder(s) shall ensure any cast-in-place concrete is poured in isolation of the watercourse and cured before it comes in contact with watercourse water.

12. Blasting

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

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

c. The Approval Holder(s) shall not exceed the blasting limits listed in Table 1 of Appendix B.

d. At least ninety (90) days prior to the restart of blasting, the Approval Holder(s) shall submit to the Department, for review and acceptance, an updated Blast Monitoring Plan prepared by a Qualified Person that includes the UTM NAD83 coordinates for the blast monitoring stations.

i. The Blast Monitoring Plan shall be implemented upon acceptance by the Department.

e. Additional monitoring stations for blasting may be required by the Department.

f. Records of individual blast results shall be maintained by the Approval Holder(s) and made available to the Department upon request.

g. Prior to the restart of blasting, the Approval Holder(s) shall conduct pre-blast surveys for all structures situated beyond the Site boundary and within 1000 metres of a proposed blast location at the Facility in accordance with the Department's “Procedure For Conducting a Pre-Blast Survey". The survey shall be delivered to the Department upon request.

13. Reporting

a. Upon request of an Inspector, the Approval Holder(s) shall prepare and submit an Annual Report for any calendar year specified by the Inspector and submit the report by the due date and in the format required by the Inspector. The report shall contain the following information:

  i. Blast Monitoring data;

  ii. The quantity of treated water released during the reporting period;

  iii. A summary and interpretation of any instances of non-compliance with this Approval and corrective action(s) taken;

  iv. Surveyed hectares disturbed;

  v. Estimates of hectares planned for disturbance or rehabilitation in the upcoming calendar year;

  vi. A summary of progressive reclamation completed;

  vii. Summary of Community Liaison Committee meetings;

  viii. A summary of any communication with the Mi'kmaq of Nova Scotia;

  ix. A summary of the metal leaching and acid rock drainage confirmatory sampling results and laboratory certificates of analysis;

  x. Proof of valid environmental impairment liability insurance; and

  xi. Any other information requested by the Department.

b. Upon the request of an Inspector, the Approval Holder(s) shall submit to the Department one (1) hard copy and an electronic version of the Annual Surface and Groundwater Monitoring Report for any calendar year specified by the Inspector and submit the report by the due date and in the format required by the Inspector. The Annual Report shall be prepared by a Qualified Professional and includes, but not limited to, the following:

i. Surface Water

(a) A review of field methodologies, including sampling techniques;

(b) A description of the surface water monitoring network and updated mapping showing all existing monitoring stations including those added within the year being reported on;

(c) Current and historic surface water flow monitoring data, in chronological tabular format, including the latest Stage-Discharge curve revisions;

(d) Current and historical surface water quality data, in chronological tabular format, in comparison to criteria authorized by this Approval with exceedances highlighted;

(e) A detailed interpretation of the surface water quality data including an analysis of spatial and temporal trends, graphical representation of relevant parameters by a Third-party qualified professional;

(f) The identification of any adverse impacts to surface water quality and quantity resources, including watercourses, wetlands, and aquatic life, as a result of site activities and associated recommendations, as applicable by a Third-party qualified professional;

(g) A figure showing the wetlands and surface water monitoring stations;

(h) Laboratory certificates of analysis for the reporting year (electronic copy only).

ii. Groundwater

(a) A review of field methodologies, including sampling techniques;

(b) A description of the groundwater monitoring network and updated mapping showing all existing monitoring stations including those added within the year being reported on;

(c) Current and historic static water level data, in chronological tabular format;

(d) Current and historical groundwater quality data, in chronological tabular format, in comparison to criteria authorized by this Approval with exceedances highlighted;

(e) A detailed interpretation of the groundwater quality data including an analysis of spatial and temporal trends, including graphical representation of relevant parameters, in relation to background and baseline data and relevant criteria by a Third-party qualified professional;

(f) A detailed interpretation of the groundwater elevation data including graphical representation and an analysis of trends including trends in vertical hydraulic gradients;

(g) The identification of any impacts to groundwater quality and quantity, beyond those authorized by this Approval, as a result of site activities by a Third-party qualified professional;

(h) The identification of any impacts or risk(s) to sensitive receptors, beyond those authorized by this Approval, as a result of Site activities by a Third-party qualified professional;

(i) A figure showing the wetlands and groundwater monitoring wells monitoring stations;

(j) A summary of monitoring well assessment, any associated repair work, decommissioning and replacement wells; and

(k) Laboratory certificates of analysis for the reporting year (electronic copy only).

c. Upon the request of an Inspector, the Approval Holder(s) shall submit to the Department one (1) hard copy and an electronic version of the Annual Ambient Air Monitoring Program Report for any calendar year specified by the Inspector and submit the report by the due date and in the format required by the Inspector. The Annual Report shall be prepared by a Qualified Person and includes, but not limited to, the following:

i. A review of field methodologies, including sampling techniques;

ii. A description of field observations;

iii. A description of meteorological information;

iv. Current and historical ambient air monitoring data, in chronological tabular format, in comparison to criteria listed in this Approval with exceedances highlighted;

v. A detailed interpretation of the ambient air monitoring data;

vi. Recommendations, as applicable; and

vii. Laboratory certificates of analysis.

d. Upon the request of an Inspector, the Approval Holder(s) shall submit to the Department one (1) hard copy and an electronic version of the Annual Noise Monitoring Program Report for any calendar year specified by the Inspector and submit the report by the due date and in the format required by the Inspector. The Annual Report shall be prepared by a Qualified Person and includes, but not limited to, the following:

i. A review of field methodologies, including sampling techniques;

ii. A description of field observations;

iii. Current and historical ambient noise monitoring data, in chronological tabular format, in comparison to criteria listed in this Approval with exceedances highlighted;

iv. A detailed interpretation of noise monitoring data; and

v. Recommendations, as applicable.

14. Releases

a. Releases shall be reported in accordance with the Act.

b. Spills or releases shall be cleaned up in accordance with the Act.

15. Complaint Response

a. Prior to the start of any construction activities, the Approval Holder(s) shall prepare and implement a Complaint Response Plan to address complaints associated with the facility. The Complaint Response Plan shall be delivered to the Department upon request, and at minimum, include the following:

i. Procedures for the prompt investigation of the cause of any complaint and the implementation of appropriate corrective actions.

ii. Documentation of facility operations at the time the complaint was received, including, where applicable, weather conditions, wind direction, and other relevant factors.

iii. A record of all complaints received, including the date and time of the complaint, and the name, address, and telephone number of the complainant where provided, description of the complaint, the determined cause, and the corrective actions taken.

iv. All complaint records shall be retained and made available to the Department upon request.

16. Tailings Management Facility

a. The Approval Holder(s) shall be responsible for the on-going maintenance and management of the structure to appropriate standards (e.g., Canadian Dam Association Dam Safety Guidelines), as identified by a professional engineer. As part of compliance with this condition, the Approval Holder(s) shall:

i. Retain the services of a professional engineer licensed to practice in the Province of Nova Scotia, the Engineer-of-Record (EOR), to oversee the design, construction, management and maintenance of all structures;

ii. Provide a signed and stamped letter from the EOR confirming compliance with this condition at the request of the Department.

b. The Approval Holder(s) shall forever indemnify and hold harmless His Majesty the King in right of the Province of Nova Scotia, including the Minister of Environment and Climate Change, from any and all manner of actions, damages, claims or demands of any nature or kind that pertain to or is any way attributable to the use, construction, erection, and maintenance of the tailings dam.

c. Prior to the start of grubbing on site, the Approval Holder(s) shall prepare an Operation, Maintenance and Surveillance (OMS) Manual that adheres to the most recent Canadian Dam Association and the Mining Association of Canada guidelines/documents. The OMS shall be delivered to the Department upon request.

d. At least ninety (90) days prior to the start of grubbing, the Approval Holder(s) shall submit to the Department, for review and acceptance, an Effluent Discharge Plan prepared by a Qualified Professional, outlining the measures to have a controlled Effluent Discharge Point.

    i. The Effluent Discharge Plan shall be implemented upon acceptance by the Department.

    ii. The Approval Holder(s) shall notify the Department in writing once the Effluent Discharge Plan has been fully implemented.

    iii. The discharge of tailings and pit dewatering shall not commence until written authorization has been provided by the Department.

17. Acid Rock Drainage Contingency

a. Drainage water pumped from the open pit mine and prior to discharge to the TMF shall be monitored and recorded weekly for pH.

b. The Approval Holder(s) shall collect and analyze representative samples of blasted waste rock and tailings at a minimum frequency of one sample per 100,000 tonnes of material mined. Analyses shall include acid-base accounting (ABA).

c. Should test results indicate potentially acid generating conditions, the Approval Holder(s) shall immediately notify the Department.

d. At the request of the Department, the Approval Holder(s) shall submit an Acid Mine Drainage Management Plan to monitor, manage, and mitigate potential acid mine drainage for review and acceptance.

    i. The Acid Mine Drainage Management Plan shall be implemented upon written acceptance.

e. All testing results indicating potentially acid generating conditions shall be reviewed by a qualified geochemist or Qualified Person, who shall prepare a plan to prevent and control metal leaching and acid rock drainage following appropriate standards (e.g., MEND Report 5.4.2d).

f. Additional testing of acid rock drainage and metal leaching may be required at the request of the Department.

18. Dangerous Goods/Waste Dangerous Goods

a. The Approval Holder(s) shall ensure that all used oil is handled in accordance with the Act.

b. The Approval Holder(s) shall ensure that all containers are labelled to indicate their contents.

c. The Approval Holder(s) shall maintain an up-to-date inventory of dangerous goods and waste dangerous goods which are stored at the Facility. The inventory shall include the informational requirements of Section 11(2) of the Dangerous Goods Management Regulations. The inventory shall be made available to the Department for inspection upon request.

19. Contingency/Emergency Response Plan

a. Prior to the start of grubbing, the Approval Holder(s) shall notify the Department that a Contingency/Emergency Response Plan in accordance with the Department's Contingency Planning Guidelines, as amended from time to time is available on site. The Plan shall be delivered to the Department upon request. The Plan shall also include, but not limited to:

  i. Site layout drawing identifying the location of all Facility features and dangerous/waste dangerous goods.

  ii. A Concentrate Spill Plan, prepared by a Qualified Professional, to outline procedures for preventing, responding to, and handling concentrate spills at the Container Handling Facility and Transport Loading Zone.

  iii. A Pit Wall Failure response plan in the event the North Wall of the Main Pit is failing or unplanned inflow from Gays River is occurring.

20. Reclamation Plan

a. Prior to the start of any construction of any work identified in the Industrial Approval Amendment Application submitted to the Department on February 24, 2024, the Approval Holder(s) shall submit, for review and acceptance, an updated Reclamation Plan and financial security cost estimate prepared by a third-party Qualified Professional that includes the changes identified in the Industrial Approval Amendment Application submitted to the Department on February 24, 2024.

  i. Upon acceptance of the updated Reclamation Plan, the Approval Holder shall update and submit the Reclamation Plan and the associated financial security cost estimate to the Department every three (3) years for review and acceptance.

b. The Department reserves the right to require modifications to the Reclamation Plan.

c. Within six (6) months prior to the end of production, the Approval Holder(s) shall submit to the Department a final reclamation plan.

d. If directed by the Department within a specified timeframe, the Approval Holder(s) shall reclaim all or any portion of the Facility and Site to the satisfaction of the Department.

e. Post reclamation monitoring and reporting shall extend for a period of no less than three (3) years following completion of reclamation unless otherwise directed by the Department.

21. Reclamation Security

a. The Approval Holder(s) shall maintain a reclamation financial security in an amount, form, and timeframe acceptable to the Province.

b. The Approval Holder(s) shall ensure that any reclamation security posted is kept valid for the term of this Approval, as a minimum.

c. Reclamation security in an amount of no less than $14,778,917 shall be posted and maintained with the Province in accordance with the installment schedule set out below. The existing security in the amount of $10,266,003 shall be credited toward this total. The remaining balance of the required security shall be posted as follows:
Prior to the start of grubbing: $956,457
1 year after the of start of ore processing: $956,457

d. At the request of the Department, the Approval Holder(s) shall submit an updated financial security cost estimate that is prepared by a third-party Qualified Professional.

e. At the request of the Department, the Approval Holder(s) shall submit additional reclamation financial security based on updated cost estimates.

f. The Approval Holder shall limit the un-reclaimed surface of the south stockpile to no more than 20 hectares in area, during operations, unless otherwise approved by the Department.

g. The reclamation financial security shall only be released by the Province to the Approval Holder(s) after final reclamation of the area(s) has been completed to the satisfaction of the Minister.

   i. The Approval Holder(s) shall notify the Department when reclamation of the area(s) has been completed.

22. Insurance

a. Prior to the start of ore processing, the Approval Holder(s) shall have environmental impairment liability insurance in the minimum amount of ten million dollars ($10,000,000). The insurance shall name the Department as insured.

b. The Approval Holder(s) shall be required to review and/or amend the value of insurance coverage at the request of the Department.

23. Records

a. The Approval Holder(s) shall ensure that all records required by this Approval are maintained for a period of five (5) years and are to be made available to the Department upon request.

b. A copy of project reports, reclamation documents and drawings, and inspection reports, shall be kept for the life of the designated activity and are to be made available to the Department upon request.

24. Community Liaison Committee

a. The Approval Holder(s) shall be required to establish and maintain a Community Liaison Committee (CLC) to facilitate communication between the Approval Holder(s) and the local community. The Approval Holder must utilize best efforts to encourage and obtain membership from First Nations communities. Terms of reference shall include, but not be limited to, environmental monitoring, dispute/complaint resolution, wetlands compensation plans, and reclamation work completed to date. Meeting minutes and/or terms of reference shall be submitted to the Department upon request.

25. Site Specific Conditions

a. Prior to the start of blasting, the Approval Holder(s) shall notify the Department that a stamped Stockpile Design Report and stamped issued-for-construction drawings, prepared by a third-party Qualified Professional for all the stockpile materials are available on site. The report and drawings shall be delivered to the Department upon request.

   i. The Stockpile Design Report shall include but not be limited to, seismic site classification, slope stability analysis for static and seismic loading conditions, material placement and runout analysis.

   ii. The drawings shall include the design parameter(s) for foundation preparation.

b. Prior to the start of any work identified in the Industrial Approval Amendment Application submitted to the Department on February 24, 2024, the Approval Holder(s) shall conduct a public consultation process to inform stakeholders and the local community about the proposed changes outlined in the application. The consultation shall include opportunities for stakeholders to provide feedback and raise concerns.

c. Prior to the start of any work identified in the Industrial Approval Amendment Application submitted to the Department on February 24, 2024, the Approval Holder(s) shall notify the Department that the Public Consultation Report is available on site and shall be delivered to the Department upon request. The Public Consultation Report shall include, but not be limited to, the following:

i. A summary of the consultation process undertaken;

ii. All concerns raised by stakeholders; and

iii. The measures the Approval Holder(s) will implement to address these concerns.

d. At least ninety (90) days prior to the start of dewatering the Main Pit, the Approval Holder(s) shall submit, for review and acceptance, a Pit Wall Stability Program prepared by a Qualified Professional for continuous slope monitoring of the North Wall to prevent failure and to monitor Gays River potential inflow.

e. The Approval Holder(s) shall maintain a fifty (50) metre separation distance between all mine-related activities to Wetland 7 and Wetland 9.

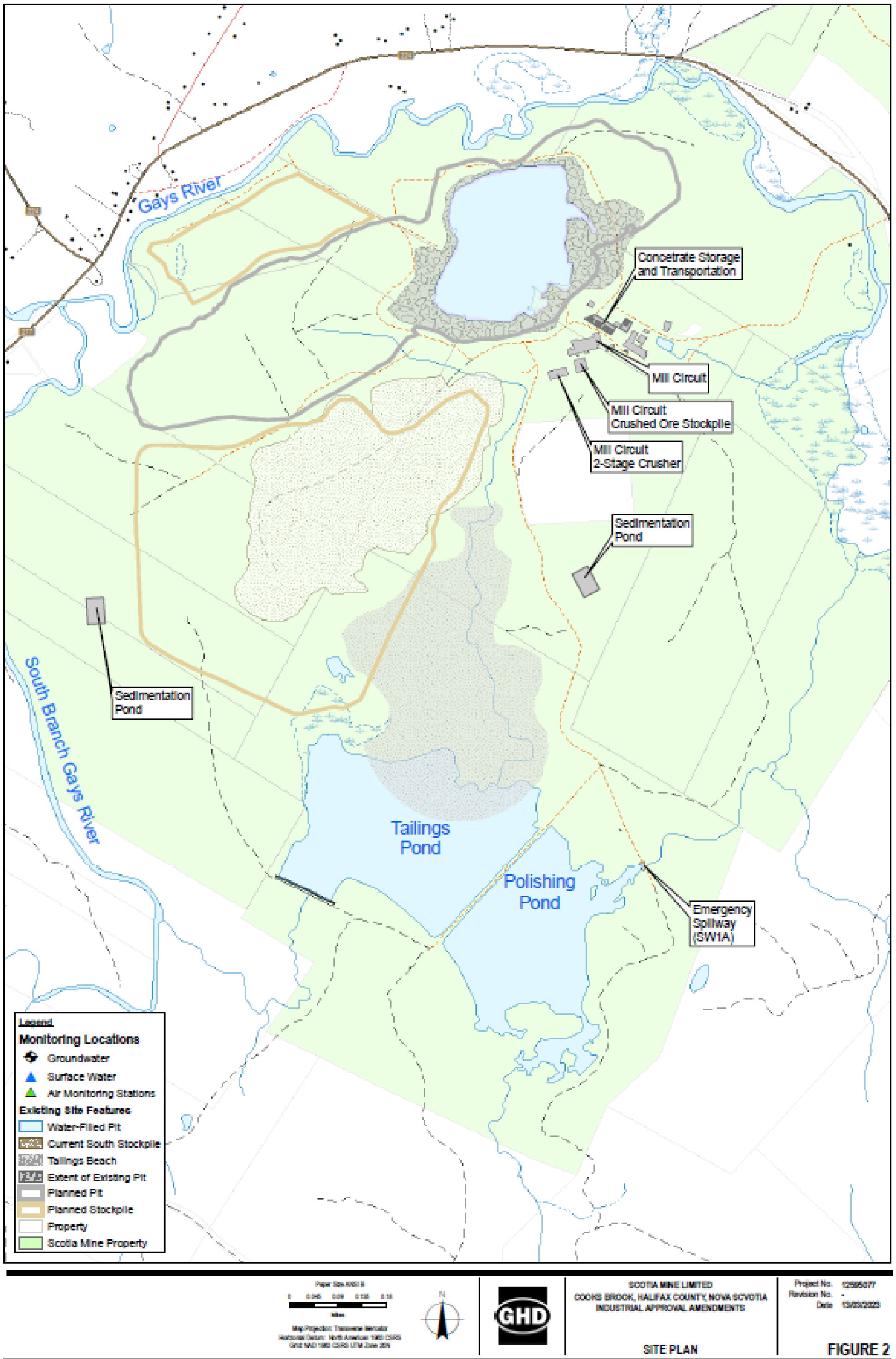
26. Land Offsetting

a. By July 12, 2027, the Approval Holder(s) shall submit a Land Offsetting Plan to the Department, for review and acceptance, for assessing and procuring conservation land to offset the environmental impacts from mine development for statutory protection by the province at a minimum compensation ratio of 1:1. The Land Offsetting Plan shall be developed in consultation with the Department and include an implementation timeline.

b. The Approval Holder(s) shall implement the Land Offsetting Plan upon acceptance by the Department.

c. The Approval Holder(s) shall submit to the Department, by February 1 of each year after the acceptance of the Land Offsetting Plan, a progress update that includes the completed tasks, ongoing work, and any challenges or issues affecting the project's schedule.

APPENDIX A


Gays River
South Branch Gays River
Concetrate Storage and Transportation
Mill Circuit
Mill Circuit Crushed Ore Stockpile
Mill Circuit 2-Stage Crusher
Sedimentation Pond
Sedimentation Pond
Tailings Pond
Polishing Pond
Emergency Spillway (SW1A)
Legend
Monitoring Locations
Groundwater
Surface Water
Air Monitoring Stations
Existing Site Features
Water-Filled Pit
Current South Stockpile
Tailings Beach
Extent of Existing Pit
Planned Pit
Planned Stockpile
Property
Scotia Mine Property
Miles
N
GHD
SCOTIA MINE LIMITED
COOKS BROOK, HALIFAX COUNTY, NOVA SCOTIA
INDUSTRIAL APPROVAL AMENDMENTS
SITE PLAN
Project No.
Revision No. -
Date
FIGURE 2

APPENDIX B

Table 1: 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 structure not located on Site.