



GOVERNMENT OF
NEWFOUNDLAND AND LABRADOR
Department of Environment, Climate Change and Municipalities

CERTIFICATE OF APPROVAL

Pursuant to the Environmental Protection Act, SNL 2002 c E-14.2 Section 83

Issue Date: *September 21, 2020*

Approval No. AA20-095663

Expiration: *September 21, 2025*

File No. 735.400

Proponent: **Anaconda Mining Inc.**
P.O. Box 238
Baie Verte, Newfoundland
A0K 1B0

Attention: Jordan Cramm, General Manager

Re: **Point Rouse Project**

Approval is hereby given for the construction and operation of the Point Rouse Project comprised of the Pine Cove, Stog'er Tight, and Argyle Gold Projects and associated works including; open pit mines; mill facilities; ore, waste rock and overburden stockpiles; tailings management and effluent treatment areas; and administrative and maintenance facilities.

This Certificate of Approval does not release the proponent from the obligation to obtain appropriate approvals from other concerned provincial, federal and municipal agencies. Nothing in this Certificate of Approval negates any regulatory requirement placed on the proponent. Where there is a conflict between conditions in this Certificate of Approval and a regulation, the requirement in the regulation shall take precedence. Approval from the Department of Environment, Climate Change and Municipalities shall be obtained prior to any significant change in the design, construction, installation, or operation of the Point Rouse Project, including any future expansion of the Point Rouse Project. This Certificate of Approval shall not be sold, assigned, transferred, leased, mortgaged, sublet or otherwise alienated by the proponent without obtaining prior approval from the Minister.

This Certificate of Approval is subject to the terms and conditions as contained therein, as may be revised from time to time by the Department. Failure to comply with any of the terms and conditions may render this Certificate of Approval null and void, may require the proponent to cease all activities associated with this Certificate of Approval, may place the proponent and its agent(s) in violation of the *Environmental Protection Act*, and will make the proponent responsible for taking such remedial measures as may be prescribed by the Department. The Department reserves the right to add, delete or modify conditions to correct errors in the Certificate of Approval or to address significant environmental or health concerns.


For MINISTER

TERMS AND CONDITIONS FOR APPROVAL No. AA20-095663

September 16, 2020

General

1. This Certificate of Approval is for the construction and operation of the Point Rouse Project comprised of the Pine Cove, Stog'er Tight, and Argyle Gold Projects and their associated works including; open pit mines; mill facilities; ore, waste rock and overburden stockpiles; tailings management and effluent treatment areas; and administrative and maintenance facilities. Extensive future expansion or change of activities will require a separate Certificate of Approval.
2. Certificate of Approval AA17-085645 is revoked and replaced by this Certificate of Approval.
3. Any inquiries concerning this Approval shall be directed to the Western Regional Office of the Pollution Prevention Division (telephone: (709) 643-6114; or facsimile: (709) 643-8654).
4. In this Certificate of Approval:
 - **accredited** means the formal recognition of the competence of a laboratory to carry out specific functions;
 - **acutely lethal** means that the effluent at 100% concentration kills more than 50% of the rainbow trout subjected to it during a 96-hour period, when tested in accordance with the ALT;
 - **ALT (acute lethality test)** means a test conducted as per Environment and Climate Change Canada's Environmental Protection Service reference method EPS/1/RM-13 Section 5 or 6;
 - **AMI** Anaconda Mining Inc.;
 - **composite sample** means a quantity of undiluted effluent collected continually at an equal rate or at a rate proportionate to flow over a designated sampling period;
 - **Department** means the Department of Municipal Affairs and Environment and its successors;
 - **Director** means the Director of the Pollution Prevention Division of the Department;
 - **discharge criteria** means the maximum allowable levels for the parameters listed in Table 3;
 - **EDMS** means Environmental Data Management System;
 - **GAP** means *Storage and Handling of Gasoline and Associated Products Regulations, 2003*;

- **grab sample** means a quantity of undiluted sample collected at any given time. In this Approval it refers to used oil and effluent;
- **hazardous waste** means a product, substance or organism that is intended for disposal or recycling, including storage prior to disposal or recycling, and that:
 - (a) is listed in Schedule III of the *Export and Import of Hazardous Waste Regulations under the Canadian Environmental Protection Act, 1999*;
 - (b) is included in any of Classes 2 to 6, and 8 and 9 of the *Transportation of Dangerous Goods Regulations* under the *Transportation of Dangerous Goods Act, 1992*; or
 - (c) exhibits a hazard classification of a gas, a flammable liquid, an oxidizer, or a substance that is dangerously reactive, toxic, infectious, corrosive or environmentally hazardous;
- **licensed** means has a Certificate of Approval issued by the Minister to conduct an activity;
- **liquid waste** is defined by the *Slump Test* (Canadian Standards Association test method A23.2-5C for determining the slump of concrete). The liquid waste slump test involves placing the waste in a 30 cm open inverted cone. The cone is removed and the immediate decrease (slump) in height of the waste material is measured. If the material slumps such that the original height is reduced by 15 cm or more, the waste is considered liquid;
- **malfunction** means any sudden, infrequent and not reasonably preventable failure of air pollution control equipment, wastewater treatment equipment, process equipment, or a process to operate in a normal or usual manner. Failures, caused in part by poor maintenance or careless operation, are not malfunctions;
- **MDMER** means the federal Metal and Diamond Mining Effluent Regulations;
- **Minister** means the Minister of the Department;
- **proficiency testing** means the use of inter-laboratory comparisons to determine the performance of individual laboratories for specific tests or measurements;
- **QA/QC** means Quality Assurance/Quality Control;
- **register(ed)** means that information regarding the storage tank system has been submitted to a Service NL office and a registration number has been assigned to the storage tank system;
- **regulated substance** means a substance subject to discharge limit(s) under the *Environmental Control Water and Sewage Regulations, 2003*;
- **spill or spillage** means a loss of gasoline or associated product in excess of 70 litres from a storage tank system, pipeline, tank vessel or vehicle, or an uncontrolled release of any volume of a regulated substance onto or into soil or a body of water;

- **storage tank system** means a tank and all vent, fill and withdrawal piping associated with it installed in a fixed location and includes a temporary arrangement;
- **TDS** means total dissolved solids;
- **toxic pass** means a fish mortality rate of no more than 50% during the ALT;
- **TPH** means total petroleum hydrocarbons, as measured by the Atlantic PIRI method;
- **TSS** means total suspended solids;
- **used glycol** means glycol that, through use, storage or handling, can no longer be used for its original purpose; and
- **used oil** means oil that, through use, storage or handling, can no longer be used for its original purpose.

5. All necessary measures shall be taken to ensure compliance with all applicable acts, regulations, policies, guidance documents and guidelines, including the following, or their successors:

- *Environmental Protection Act;*
- *Water Resources Act;*
- *Air Pollution Control Regulations, 2004;*
- *Environmental Control Water and Sewage Regulations, 2003;*
- *Halocarbon Regulations;*
- *Storage and Handling of Gasoline and Associated Products Regulations, 2003;*
- *Used Oil and Used Glycol Control Regulations;*
- *Heating Oil Storage Tank System Regulations, 2003;*
- *Sampling of Water and Wastewater - Industrial Effluent Applications Guidance Document;*
- *Accredited Laboratory Policy;* and
- *Guidance Document for the Management of Impacted Sites.*

This Approval provides terms and conditions to satisfy various requirements of the above listed acts, regulations, policies, guidance documents and guidelines. If it appears that any of the pertinent requirements of these acts, regulations, policies and guidelines are not being met, then a further review of the works shall be conducted, and suitable pollution control measures may be required by the Minister.

6. All reasonable efforts shall be taken to minimize the impact of the operation on the environment. Such efforts include:

- minimizing the area disturbed by the operation,
- minimizing air or water pollution,
- finding alternative uses, acceptable to the Director, for waste or rejected materials,
- removing equipment or structures when they no longer have further use, and
- considering the requirement for the eventual rehabilitation of disturbed areas when planning the development of any area on the facility property.

7. **AMI** shall provide to the Department, within a reasonable time, any information, records, reports or access to data requested or specified by the Department.
8. **AMI** shall keep all records or other documents required by this Approval at the Point Rousse Project Site for a period of not less than three (3) years, beginning the day they were made. These records shall be made available for review by officials of the Department or Service NL when requested.
9. Should **AMI** wish to deviate in any way from the terms and conditions of this Certificate of Approval, a written request detailing the proposed deviation shall be made to the Minister. **AMI** shall comply with the most current terms and conditions until the Minister has authorized otherwise. In the case of meeting a deadline requirement, the request shall be made at least 60 days ahead of the applicable date as specified in this Approval or elsewhere by the Department.

Activities Affecting Bodies of Water

10. Any work that must be performed in a body of water below the high water mark shall be carried out during a period of low water levels, unless otherwise permitted in writing by the Department.
11. All construction operations shall be carried out in a manner that minimizes damage to land, vegetation, and watercourses, and which prevents the discharge of substances, to bodies of water, in excess of applicable regulatory limits.
12. The use of heavy equipment shall be confined to dry stable areas and shall not be carried out in streams or bodies of water, unless otherwise permitted in writing by the Department.
13. All vehicles and equipment shall be in good repair, and shall be free of leaks of oil or other harmful substances that could impair water quality.
14. During the construction of concrete components, formwork shall be properly constructed to prevent any fresh concrete from entering a body of water. Dumping of concrete or washing of tools and equipment in any body of water is prohibited.
15. Waste hardened concrete shall not be disposed of as unsuitable material at the project site. Waste hardened concrete shall be put to beneficial use on site as fill material, or it shall be sent to an approved waste disposal site.
16. All areas affected by this project shall be restored to a state that resembles local natural conditions. Further remedial measures to mitigate environmental impacts on water resources can and will be specified, if necessary in the opinion of this Department.
17. Prior written permission is required from the Department for all work that takes place in a body of water, including but not limited to bridges, culverts, fording, stream modifications, infilling and dredging.

Environmental Protection Plan

18. **AMI** shall implement the Environmental Protection Plan (*2019*) for the Point Rouse Project. This plan shall be reviewed annually and revised as necessary, accounting for expanding or alteration of activities. All proposed revisions shall be submitted to the Director for review. The Department will acknowledge receipt of the Plan and/or revisions, and shall provide any review comments within a reasonable time frame.

Waste Management

19. The management of waste generated at the facility is subject to compliance with the *Environmental Protection Act*. All non-industrial waste shall be stored in a manner acceptable to the Department and, on at least a weekly basis, be disposed of:
- at an authorized waste disposal site, with the permission of the owner/operator of the site; or
 - by some other means acceptable to the Department.

If required, industrial waste shall be disposed of by a licensed operator.

20. **AMI** shall ensure that all volatile chemical and solvent wastes, if they cannot be reused, are placed in suitable covered containers for disposal in a manner acceptable to the Department. Disposal of liquid wastes at waste disposal sites in the province is not permitted.
21. Disposal of hazardous waste in a municipal or regional waste disposal site in this Province is prohibited. Transporters of hazardous waste shall have an Approval issued by the Minister. Those generating hazardous waste shall have a waste generator's number issued by the Director and shall also complete the required information outlined in the Waste Manifest Form.

Waste Management Plan

22. **AMI** shall continue to implement the Waste Management Plan (*May 13, 2019*) for their Point Rouse Project, including all revisions. Every year the Plan shall be reviewed and revised as necessary, accounting for expanding or alteration of activities. All proposed revisions shall be submitted to the Director for review. The Department will acknowledge receipt of the Plan and/or revisions, and shall provide any review comments within a reasonable time frame.

Open Burning

23. Materials listed in *Table 1* shall not be burned in open fires.
24. The Department shall be notified prior to the burning of any materials not listed in *Table 1*.

Table 1 - Material Not Approved for Open Burning	
Tires	manure
Plastics	rubber
treated lumber	tar paper
asphalt and asphalt products	railway ties
Drywall	paint and paint products
demolition waste	fuel and lubricant containers
hazardous waste	used oil
biomedical waste	animal cadavers
domestic waste	hazardous substances
trash, garbage, or other waste from commercial, industrial or municipal operations	materials disposed of as part of the removal or decontamination of equipment, buildings or other structures

Noise

25. Efforts shall be made to minimize and control noise resulting from the Point Rouse Project operations and maintenance activities. All vehicles operating within the facility shall have exhaust and muffling devices in good working order.

Drilling and Blasting

26. **AMI** shall implement the Best Management Plan (*August 23, 2018*) developed to minimize potential impacts from drilling and blasting activities, associated with the Argyle Project, on nearby properties and residents. The Plan shall be reviewed and revised as necessary. All proposed revisions shall be submitted to the Director for review. The Department will acknowledge receipt of the Plan and/or revisions, and shall provide any review comments within a reasonable time frame.

Dust Suppression

27. **AMI** shall control dusting resulting from construction and operational activities at the site. Use of dust suppressants other than water or calcium chloride shall require approval of the Director. **AMI** are encouraged to use best management practices when applying calcium chloride or any other approved dust suppressant.

Spill Prevention and Containment

28. Areas in which chemicals are used or stored shall have spill containment systems constructed with impermeable floors, walls, dykes or curbs as applicable and be configured, maintained, inspected and repaired as follows:

- they shall not discharge to the environment;
- they shall have an effective secondary containment capacity of at least 110% of the chemical storage tank capacity, in the case of a single storage container;
- if there is more than one storage container, they shall have an effective secondary containment capacity of at least 110% of the capacity of the largest container, or 100 % of the capacity of the largest container plus 10% of the aggregate capacity of all additional containers, whichever is greater;
- they shall be kept clear of material that may compromise the containment capacity;
- they may include a floor drain system provided that the floor drains, and the place or device to which they drain, are configured in such a manner that the required effective secondary containment capacity is maintained;
- every year they shall be visually inspected for their liquid containing integrity, and repairs shall be made when required; and
- once every ten years, spill containment systems shall be inspected, by a means other than visual inspection, for their liquid containing integrity, and repairs shall be made when required.

29. All on site storage of petroleum shall comply with the *Storage and Handling of Gasoline and Associated Products Regulations, 2003*, or its successor. Storage tank systems shall be registered with Service NL. All aboveground storage tanks shall be clearly and visibly labelled with their GAP registration numbers.

30. Where applicable, all tanks and fuel delivery systems shall be inspected to appropriate American Petroleum Institute or Underwriters' Laboratories of Canada standards, or any other standards acceptable to this Department. The required frequency of inspections may be changed at the discretion of the Director.

31. **AMI** shall maintain an inventory of all petroleum and chemical storage tanks. This inventory shall include the following:

- site plan showing tank location,
- registration number (where applicable),
- identification number,
- material stored,
- capacity,
- annual throughput,
- tank material,
- tank type,
- tank diameter,
- tank height,
- tank colour,
- roof type,
- year of manufacture,
- date of installation,
- date of last inspection,
- failure history,
- maintenance history,
- effective secondary containment capacity, and
- date of next planned inspection.

An update of the complete storage tank inventory including any changes to it shall be submitted to the Director within three (3) months of the change having occurred.

32. Refuelling and maintenance of vehicles and equipment shall, whenever possible, be undertaken on a prepared impermeable surface with an oil containment or collection system. When this is not possible, due care shall be taken to prevent spillage on the ground and to the surrounding environment, particularly streams and other water bodies. The Contingency Plan for fuel storage shall detail the specific response actions in the event of a spill from refuelling or maintenance activities.

Contingency Plan

33. **AMI** shall continue to implement the Contingency Plan (*January 23, 2020*) for their Point Rousse Project, including all revisions. This Plan describes the actions to be taken in the event of a spill of a toxic or hazardous material. Copies of the Plan shall be placed in convenient areas throughout the facility so that employees can easily refer to it when needed. **AMI** shall ensure that all employees are aware of the Plan and understand the procedures and the reporting protocol to be followed in the event of an emergency. An annual response exercise is recommended for response personnel. Every year, as a minimum, the Plan shall be reviewed and revised as necessary. Any proposed significant revisions shall be submitted to the Director for review. Changes which are not considered significant include minor variations in equipment or personnel characteristics which do not affect implementation of the Plan.
34. Every time **AMI** implements the Contingency Plan, information shall be recorded for future reference. This will assist in reviewing and updating the Plan. The record is to consist of all incidents with environmental implications, and include such details as:
- date;
 - time of day;
 - type of incident (i.e. liquid spill, gas leak, granular chemical spill, equipment malfunction, etc.);
 - actions taken;
 - problems encountered; and
 - other relevant information that would aid in later review of the Plan performance.

Each incident report shall be submitted to the Department as per the *Reporting* section.

Rehabilitation and Closure

35. Rehabilitation and Closure Plans detailing the actions to be taken to restore areas disturbed by the operation has been submitted to the Department. These Plans shall be implemented progressively as required and completed upon site closure.
36. As part of the site decommissioning and restoration process, **AMI** shall employ a registered Site Professional to complete a site-wide environmental site assessment, as defined in the *Guidance Document for the Management of Impacted Sites*. Should impacts be identified, **AMI** shall proceed through the process outlined in the Guidance Document to achieve regulatory site closure.

Used Oil and Used Glycol

37. Used oil and used glycol shall be retained in separate approved or registered tanks or closed containers, and disposed of by a company licensed for handling and disposal of used oil and/or used glycol products.

Tailings and Effluent Management

38. Mine effluent at the Pine Cove Site, with the exception of runoff from the waste rock dumps, shall be collected in the Tailings Management Facility and/or Polishing Pond.
39. Dewatering of the Stog'er Tight open pits shall be to the North Pit Settlement Pond (Phase I) and to the mined out South Pit (Phase II). Discharge shall be deposited to the designated wetlands area downstream of Fox Pond.
40. Potentially impacted site drainage and water from pit dewatering at the Argyle Project shall be directed to perimeter ditching and to collection sumps. Discharge shall be from the designated outflow of the engineered settling pond. **AMI** shall employ appropriate measures to prevent surface erosion and siltation during effluent discharge.
41. Tailings and process water from the mill operation shall be pumped to the Tailings Storage Facility and/or the mined out Pine Cove Pit. Cyanide used in the leaching circuit shall be removed via the cyanide destruction unit at the mill prior to pumping.
42. Effluent from the Tailings Storage Facility and the mined out Pine Cove Pit shall be transferred to the Polishing Pond. **AMI** shall employ appropriate measures (i.e. discharge pipe, rock/geosynthetic lined ditch) to prevent surface erosion and siltation during the transport of effluent to the Polishing Pond. Water shall be reclaimed from the Polishing Pond for reuse in the mill.
43. **AMI** shall release effluent from the Polishing Pond into Pine Cove Brook from the designated control structure and final discharge point. **AMI** shall employ appropriate measures to prevent surface erosion and siltation during effluent discharge.
44. **AMI** shall continue to implement the procedures outlined in the Tailings Management Facility: Operation, Maintenance and Surveillance (OMS) Manual (*December 2016*) developed for effluent and tailings management. This manual describes the actions (recording of water levels, surveys, visual inspections, detailed inspections, and dam safety reviews etc.) that will be performed to ensure that the physical integrity of the dams and ancillary structures are maintained. **AMI** shall conduct annual reviews of the OMS Manual and revise the document as deemed necessary. All proposed revisions shall be submitted to the Director for review.

Effluent Monitoring

45. **AMI** shall perform an Effluent Monitoring Program as per *Table 2*. The applicable limits for the effluent discharge are listed in *Table 3*. Analytical results shall be submitted as per the *Reporting* section.

46. **AMI** may reduce the frequency of testing for a parameter that is set out in the EDC with the exception of pH, TSS, ALT and Radium 226 to not less than once in each calendar quarter, at least 30 days apart, if that parameter's monthly mean concentration in the effluent is less than 10 percent of the maximum authorized monthly mean concentration for the 12 months immediately preceding the most recent test. **AMI** shall notify the Director in writing, at least 30 days in advance of a reduction in the frequency of testing.

Table 2: Effluent Monitoring Program			
Description	EDMS Location Code	Parameters	Frequency
Pine Cove Operation Polishing Pond Discharge	00254	Arsenic, Copper, Cyanide*, Lead, Nickel, Zinc, TSS, Radium 226, pH	Weekly (at least 24 hours apart)
Stog'er Tight Operation North Pit Settlement Pond Discharge	00640		
Argyle Operation Argyle Final Discharge Point (FDP)	00754		
Pine Cove Operation Polishing Pond Emergency Spillway	00255	Arsenic, Copper, Cyanide, Lead, Nickel, Zinc, TSS, Radium 226, pH, ALT, TPH	Grab Sample for each overflow event

* Parameter analysis not required for Stog'er Tight and Argyle Operations

Table 3: Effluent Discharge Criteria (EDC)			
Parameter	Maximum Authorized Monthly Mean Concentration	Maximum Authorized Concentration in a Composite Sample	Maximum Authorized Concentration in a Grab Sample
Arsenic	0.50 mg/L	0.75 mg/L	1.00 mg/L
Copper	0.30 mg/L	0.45 mg/L	0.60 mg/L
Cyanide	1.00 mg/L	1.50 mg/L	2.00 mg/L
Lead	0.20 mg/L	0.30 mg/L	0.40 mg/L
Nickel	0.50 mg/L	0.75 mg/L	1.00 mg/L
Zinc	0.50 mg/L	0.75 mg/L	1.00 mg/L
TSS	15.00 mg/L	22.50 mg/L	30.00 mg/L
Radium 226	0.37 Bq/L	0.74 Bq/L	1.11 Bq/L
pH	Allowable Range 5.5 – 9.0 units		
ALT	Toxic pass		

47. **AMI** may reduce the frequency of testing for Radium 226 to not less than once in each calendar quarter if that substance's concentration in the effluent is less than 0.037Bq/L in 10 consecutive tests. **AMI** shall notify the Director in writing, at least 30 days in advance of a reduction in the frequency of testing.

48. **AMI** shall increase the frequency of testing to the originally prescribed frequency for a parameter that is set out in the EDC with the exception of pH, TSS and ALT, if the parameter's monthly mean concentration is equal to or greater than 10 percent of the maximum authorized monthly mean concentration.
49. **AMI** may reduce the frequency of conducting ALT's to once in each calendar quarter, at least 30 days apart, if the effluent is determined not to be acutely lethal over a period of 12 consecutive months. **AMI** shall notify the Director in writing, at least 30 days in advance of a reduction in the frequency of testing.
50. If a sample is determined to be acutely lethal, an aliquot of the failing sample shall be analyzed for the parameters outlined in **Table 4** without delay.
51. If a sample is determined to be acutely lethal, **AMI** shall collect a grab sample from the final discharge point of the failing site and conduct an ALT in accordance with Section 6 of the Reference Method. Samples shall be collected twice per month, not less than 7 days apart, and an ALT shall be conducted on each sample, until it is determined that the effluent is not acutely lethal for three consecutive tests. Following the third consecutive non-acutely lethal test, **AMI** shall conduct ALT's as per the original prescribed frequency outlined in **Table 2**.
52. If effluent is determined to be acutely lethal for three consecutive ALTs, **AMI** shall implement a Toxicity Identification Evaluation (TIE) to identify the toxin, and from this develop measures to prevent or reduce the toxin. The report, written as a result of these identification activities, shall be submitted to the Director for review, within 60 days of the third consecutive failed acutely lethal test result. After review of the report, the Director may place additional requirements upon the proponent for treatment of effluent prior to discharge.
53. Reports submitted under the section 31 of MDMER as a result of a deposit out of the normal course of events shall be provided to the Department.

Environmental Effects Monitoring

54. MDMER requires that **AMI** conduct Environmental Effects Monitoring (EEM) as part of the mine's authority to deposit effluent under the Fisheries Act. Copies of all EEM study designs and reports shall be submitted to the Department.

Water Chemistry Analysis Program

55. **AMI** shall perform a Water Chemistry Analysis Program as per **Table 4**, four times per calendar year and not less than thirty (30) days apart. All results shall be submitted to the Director as per the **Reporting** section.

Table 4: Water Chemistry Analysis Program		
Location	EDMS Location Code	Parameters
Pine Cove Operation		General Parameters: temperature, dissolved oxygen (DO), nitrate + nitrite, nitrate, nitrite, pH, TSS*, colour, sodium, potassium, calcium, sulphide, magnesium, ammonia, alkalinity, sulphate, chloride, turbidity, reactive silica, orthophosphate, phosphorous, DOC, conductance, TDS (calculated), phenolics, carbonate (CaCO ₃), hardness (CaCO ₃), bicarbonate (CaCO ₃) Metals Scan: aluminium, antimony, arsenic, barium, beryllium, bismuth, boron, cadmium, chromium, cobalt, copper, iron, lead, manganese, molybdenum, mercury, nickel, selenium, silver, strontium, thallium, tin, titanium, uranium, vanadium, zinc.
Polishing Pond	00499	
TSF 1 (Formerly Tailings Pond 1)	00256	
TSF 2 (Tailings Pond 2)	00498	
Pine Cove Brook	00257	
Pine Cove Pond	00258	
Reference Pond	00259	
Open Pit Water	00261	
Monitoring Well #1	00262	
Monitoring Well #4	00497	
Polishing Pond Seepage	00500	
Tailings (TSF 1) Seepage Line	00501	
Make-Up Water Return Line	00502	
Culvert South Waste Dump	00503	
Tributary 1	00260	
Decker's Pond	00749	
Stog'er Tight Operation		
Station 1 – Fox Pond Drainage	00642	
Station 2 – Fox Pond	00643	
Station 3 – Camp Pond	00644	
Station 4 – Reference Pond	00645	
North Pit Settlement Pond	00722	
Argyle Operation		
PPWSA Gillard Pond	00750	
PPWSA Mud Pond	00751	
PPWSA Bear Pond	00752	
PPWSA Bear Pond (MB Intake)	00753	
Bear Pond Outflow	00755	
Little Fox Pond Brook	00756	
Argyle Settlement Pond	00757	

* TSS analysis is not required for monitoring well samples

Analysis and QA/QC

56. Unless otherwise stated herein, all solids and liquids analysis performed pursuant to this Approval shall be done by either a contracted commercial laboratory or an in-house laboratory. Contracted commercial laboratories shall have a recognized form of accreditation. In-house laboratories have the option of either obtaining accreditation or submitting to an annual inspection by a representative of the Department, for which **AMI** shall be billed for each laboratory inspection in accordance with Schedule 1 of the *Accredited Laboratory Policy (PD:PP2001-01.2)*. Recommendations of the Director stemming from the annual inspections shall be addressed within 6 months, otherwise further analytical results shall not be accepted by the Director.

57. If **AMI** wishes to perform in-house laboratory testing and submit to an annual inspection by the Department then a recognized form of proficiency testing recognition shall be obtained for compliance parameters for which this recognition exists. The compliance parameters are listed in the *Effluent and Monitoring* section. If using a commercial laboratory, AMI shall contact that commercial laboratory to determine and to implement the sampling and transportation QA/QC requirements for those activities.
58. The exact location of each sampling point shall remain consistent over the life of the monitoring programs, unless otherwise approved by the Director. Using a GPS or similar device, the northing and easting of each sampling location shall be recorded and submitted by *February 24, 2021* to the Department.
59. **AMI** shall bear all expenses incurred in carrying out the environmental monitoring and analysis required under conditions of this Approval.

Monitoring Alteration

60. The Director has the authority to alter monitoring programs or require additional testing at any time when:
- pollutants might be released to the surrounding environment without being detected;
 - an adverse environmental effect may occur; or
 - it is no longer necessary to maintain the current frequency of sampling and/or the monitoring of parameters.
61. **AMI** may, at any time, request that monitoring programs or requirements of this Approval be altered by:
- requesting the change in writing to the Director; and
 - providing sufficient justification, as determined by the Director.

The requirements of this Approval shall remain in effect until altered, in writing, by the Director.

Reporting

62. Monthly reports containing the environmental compliance monitoring and sampling information required in this Approval shall be received by the Director in digital format within 30 calendar days of the reporting month. All related laboratory reports shall be submitted with the monthly report in XML format and Adobe Portable Document Format (PDF). Digital report submissions shall be uploaded through the EDMS web portal. The Pollution Prevention Division shall provide details of the portal web address and submission requirements.

63. Each monthly report shall include a summary of all environmental monitoring components and shall include an explanation for the omission of any requisite data. The monthly summary reports shall be in Microsoft Word or Adobe PDF and shall be uploaded through the EDMS web portal with the data submissions.

64. All incidents of:

- *Contingency Plan* implementation; or
- non-conformance of any condition within this Approval; or
- spillage or leakage of a regulated substance; or
- discharge criteria being, or suspected of being, exceeded; or
- verbal or written complaints of an environmental nature received from the public by **AMI** and related to the Point Rouse Project, including complaints submitted anonymously;

shall be immediately reported, within one working day, to the Department.

A written report including a detailed description of the incident, summary of contributing factors, and an Action Plan to prevent future incidents of a similar nature, shall be submitted to the Department. The Action Plan shall include a description of actions already taken and future actions to be implemented, and shall be submitted within thirty days of the date of the initial incident.

65. Any spillage or leakage of gasoline or associated product shall be reported immediately through the Canadian Coast Guard at 1-(709)-772-2083.

Expiration

66. This Certificate of Approval expires *September 16, 2025*.

67. Should **AMI** wish to continue to operate the Point Rouse Project beyond this expiry date, a written request shall be submitted to the Director for the renewal of this Approval. Such request shall be made prior to *March 16, 2025*.

cc: Mr. Gary Kennell
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