Newfoundland Labrador

GOVERNMENT OF
NEWFOUNDLAND AND LABRADOR
Department of Municipal Affairs and Environment

CERTIFICATE OF APPROVAL

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

Issue Date: ***August 10, 2017*** Approval No. AA17-085645

Expiration: ***August 10, 2022*** File No. 735.400

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

Attention: Allan Cramm – Vice-President and General Manager

Re: **Point Rousse/Stog'er Tight Gold Mine Expansion Projects**

Approval is hereby given for the operation of the Point Rousse Project which includes: the Pine Cove open pit mine and mill facilities; ore, waste rock and overburden stockpiles; tailings management and effluent treatment area; and other associated site infrastructure; and for construction and operation activities associated with the Stog'er Tight Gold Mine Expansion Project.

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 condition in the regulation shall take precedence. Approval from the Department of Municipal Affairs and Environment shall be obtained prior to any significant change in the design, construction, installation, or operation of the Point Rousse/Stog'er Tight Gold Mine Projects, including any future expansion of the Point Rousse/Stog'er Tight Gold Mine Projects. 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. AA17-085645
August 10, 2017

General

1. This Certificate of Approval is for the operation of the Point Rousse Project which includes; the Pine Cove open pit mine and mill facilities; ore, waste rock and overburden stockpiles; tailings management and effluent treatment area; and other associated site infrastructure; and for construction and operation activities associated with the Stog'er Tight Gold Mine Expansion Project. These projects are located on the Baie Verte Peninsula of Newfoundland. Construction and operation shall be in accordance with plans and specifications supplied by Anaconda Mining Inc. for this Certificate of Approval. Extensive future expansion or change of activities will require a separate Certificate of Approval.

2. Certificate of Approval AA13-035579 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:

- **accreditation** 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 Canada's Environmental Protection Service reference method EPS/1/RM-13 Section 5 or 6;
- **AMI** means Anaconda Mining Inc.;
- **blanketed** means to cover a vessel with a lid that is specifically designed to contain vapours;
- **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;
- **EDMS** means environmental data management system;

- **effluent discharge criteria** means the maximum allowable levels for the parameters listed in ***Table 3***;

- **grab sample** means a quantity of undiluted sample collected at any given time;

- **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;

- **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;

- **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;

- **registered** 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 acute lethality test (ALT);

- **TPH** means total petroleum hydrocarbons, as measured by the Atlantic PIRI method;

- **TSS** means total suspended solids;

- **used lubricating oil** means lubricating oil that as a result of its use, storage or handling, is altered so that it is no longer suitable for its intended purpose but is suitable for refining or other permitted uses;

- **used oil** means a used lubricating oil or waste oil; and

- **waste oil** means an oil that as a result of contamination by any means or by its use, is altered so that it is no longer suitable for its intended purpose.

5. All necessary measures shall be taken to ensure compliance with all applicable acts, regulations, policies 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 Control Regulations;*
- *Heating Oil Storage Tank System Regulations, 2003;*
- *Sampling of Water and Wastewater - Industrial Effluent Applications Guidance Document;* and
- *Accredited Laboratory Policy*

This Approval provides terms and conditions to satisfy various requirements of the above listed acts, regulations, Departmental policies 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 its 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

Construction

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 pollution of 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 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.

Waste Management

18. All waste generated at the facility is subject to compliance with the ***Environmental Protection Act***. All non-industrial waste shall be placed in closed containers and, on at least a weekly basis, removed from the site. If required, industrial waste shall be disposed of by a licensed operator. These wastes shall be disposed of at an authorized waste disposal site with the permission of the owner/operator of the site.

19. **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.

20. 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 generators number issued by the Director and shall also complete the required information outlined in the Waste Manifest Form.

21. **AMI** shall continue to implement the Waste Management Plan (***July 30, 2008***) for their Point Rousse/Stog'er Tight Gold Mine Expansion Project. A revised plan shall be submitted to the Director for review by ***March 31, 2018***. At minimum, the Plan shall be reviewed on an annual basis and revised as necessary, accounting for expanding or alteration of activities. The Department will acknowledge receipt of the Plan and/or revisions, and shall provide any review comments within a reasonable time frame.

Open Burning

22. Materials listed in ***Table 1*** shall not be burned in open fires.

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

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

Noise

24. Efforts shall be made to minimize and control noise resulting from the Point Rousse/Stog'er Tight Gold Mine Expansion Project operations and maintenance activities. All vehicles hauling materials within the facility shall have exhaust and muffling devices in good working order.

Dust Suppression

25. **AMI** shall control dusting resulting from construction and operation 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.

Chemical Operations

26. All chemical loading and blending shall be done inside the facility, with no chemical containers being opened outside. All vessels will be blanketed to eliminate vapour or odour releases.

27. Empty chemical drums, totes or packaging shall be either sent: back to the original equipment manufacturer for re-use; to a recognized disposal company; to a recognized re-cycling facility; or to an approved landfill site, subject to the permission of the owner/operator and following the removal of waste residue such that the material is no longer considered hazardous. When deemed necessary, waste material from drums, totes or packaging will be retained on-site for collection and disposal by a recognized waste treatment company according to provincial and federal regulations.

Spill Prevention and Containment

28. Areas in which chemicals are used or stored shall have impermeable floors and dykes or curbs and shall not have a floor drain system, nor shall it discharge to the environment. Areas inside the dykes or curbs 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, the dyked area shall be able to retain no less than ***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**. These dyked areas shall be kept clear of material that may compromise the capacity of the dyke system. Once a year, the dykes shall be visually inspected for their liquid containing integrity, and repairs shall be made when required. Once every ten years, the dykes 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 a plan showing 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, dyke capacity and date of next planned inspection. Every two (2) years, an update of any significant changes to the inventory shall be submitted to the Director.

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 (***September 30, 2008***) for their Point Rousse/Stog'er Tight Gold Mine Expansion Projects. 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 operation 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. A revised plan shall be submitted to the Director for review by ***March 31, 2018***.

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 Director as per the ***Reporting*** section.

Rehabilitation and Closure Plan

35. Rehabilitation and Closure Plans detailing the actions to be taken to restore areas disturbed by the operation have been submitted to the Department for the Point Rousse Project (***April 2016***) and the Stog'er Tight Project (***April 2017***). These Plans shall be implemented progressively as required and completed upon site closure. **AMI** shall perform an annual review of the Plans, accounting for an expansion or alteration of activities, and revise the Plan as necessary. All proposed revisions shall be submitted to the Director for review.

Used Oil

36. Used oil shall be retained in an approved tank or closed container, and disposed of by a company licensed for handling and disposal of used oil products.

Tailings and Effluent Management

37. 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.

38. 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.

39. 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.

40. Effluent from Tailings Management Facility 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.

41. **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.

42. **AMI** shall continue to implement the procedures outlined in the Tailings Management Facility: Operation, Maintenance and Surveillance (OMS) Manual (**2011**) 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. A revised OMS, accounting for the transition to the new Tailings Storage Facility and Polishing Pond, shall be submitted to the Director for review by ***March 31, 2018***. Thereafter, **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

43. 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.

44. **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 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 South Pit Discharge	00640	ALT, TPH	Monthly (at least 15 days apart)
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 Operation

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		

45. **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.

46. **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.

47. **AMI** may reduce the frequency of conducting ALT's to once in each calendar quarter 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.

48. 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.

49. 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***.

50. 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.

51. Reports submitted under the section 31 of MMER as a result of a deposit out of the normal course of events shall be provided to the Department.

Environmental Effects Monitoring

52. The Metal Mining Effluent Regulations (MMER) require 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

53. **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:**
Polishing Pond	00499	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 ($CaCO_3$)
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	**Metals Scan:**
Make-Up Water Return Line	00502	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.
Culvert South Waste Dump	00503	
Tributary 1	00260	
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	00640	
South Pit	00641	

* TSS analysis is not required for monitoring well samples.

Analysis and QA/QC

54. 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:PP2001-01.02)***. 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.

55. If **AMI** wish 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 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.

56. The exact location of each sampling point shall remain consistent over the life of the monitoring programs, unless otherwise approved by the Director.

57. **AMI** shall bear all expenses incurred in carrying out the environmental monitoring and analysis required under conditions of this Approval.

Monitoring Alteration

58. 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.

59. **AMI** may, at any time, request that monitoring program 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

60. 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.

61. All incidents of:

- *Contingency Plan* implementation; or
- non-conformance of any condition within this approval; or
- spillage or leakage of a regulated substance; or

- whenever effluent discharge criteria is, or is suspected to be, exceeded; or

- verbal/written complaints of an environmental nature from the public received by **AMI** related to the Point Rousse/Stog'er Tight Projects, whether or not they are received anonymously;

shall be immediately reported, within one working day, to this Department as follows:

- contact this Department (Western Regional Office) by phoning (709) 643-6114.

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 Director. 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. The address for written report submission is:

Director, Pollution Prevention Division
Department of Municipal Affairs and Environment
P.O. Box 8700
St, John's, NL
A1B 4J6

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

Expiration

63. This Certificate of Approval expires ***August 10, 2022***.

64. Should the proponent wish to continue to operate 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 ***January 10, 2022***.

cc: Mr. Neil Codner
Environment and Climate Change Canada
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A1N 4T3

Mr. Robert Locke
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