

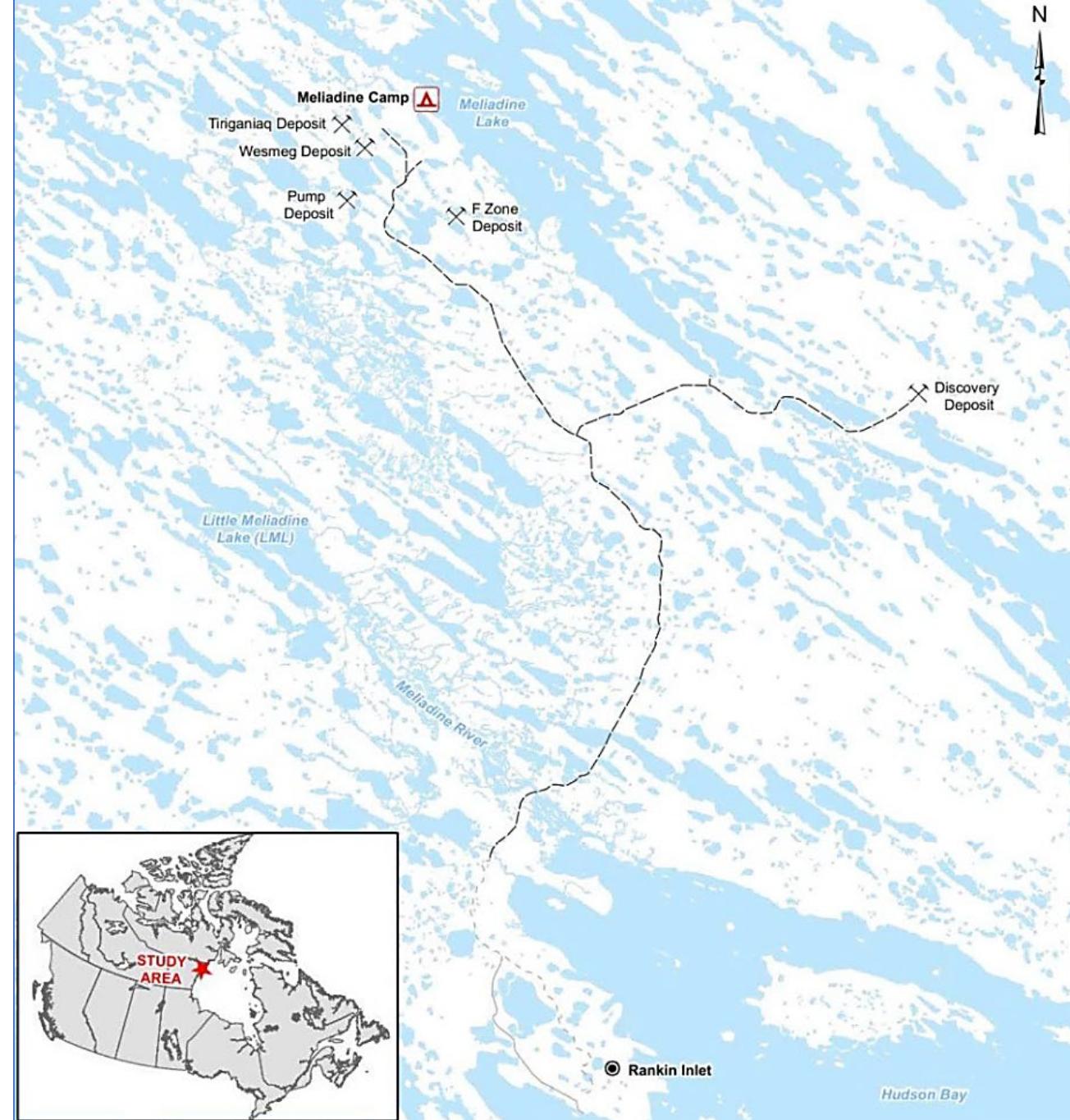
Meliadine Gold Mine Project

MLI
JUQDUS
DZQCNQ

Annual Monitoring Update
NIRB File No. 11MN034

Rankin Inlet, NU
August, 2019

August, 2019
NIRB



Meliadine Gold Mine Project Certificate ئۇڭۇز ئەنچىرىنىڭ ئەللىكىسىنىڭ ئەرەب ئەپەپلىقەتىسى



- February 2015: NIRB Project Certificate (PC) No. 006 issued to Agnico Eagle Mines Limited.
- 2015 ഫെബ്രുവരി 2015: നിർബ് പദ്ധതി സെറ്റിഫിക്കറ്റ് (PC) നം 006 കോഡിംഗ് കൗൺസിൽ അംഗീകാരം
- February 2019: NIRB amends PC No. 006 for Saline Effluent Discharge Modification
- 2019 ഫെബ്രൂവരി 2019: നിർബ് പദ്ധതി സെറ്റിഫിക്കറ്റ് (PC) നം 006 കോഡിംഗ് കൗൺസിൽ അംഗീകാരം
- 131 terms and conditions to limit adverse ecosystemic and socioeconomic effects
- 131 പുനഃഭാരിക്കേണ്ട ലഭ്യതയുള്ള പദ്ധതി സെറ്റിഫിക്കറ്റ് (PC) നം 006 കോഡിംഗ് കൗൺസിൽ അംഗീകാരം

Project Overview

ʌq̑nʌd̑ Cd̑Dbσ̑σ̑

25 km north of Rankin Inlet

- Five (5) deposits to be developed
 - Tiriganiaq, Wesmeg, Pump, F Zone, Discovery

Phase I focused on Tiriganiaq

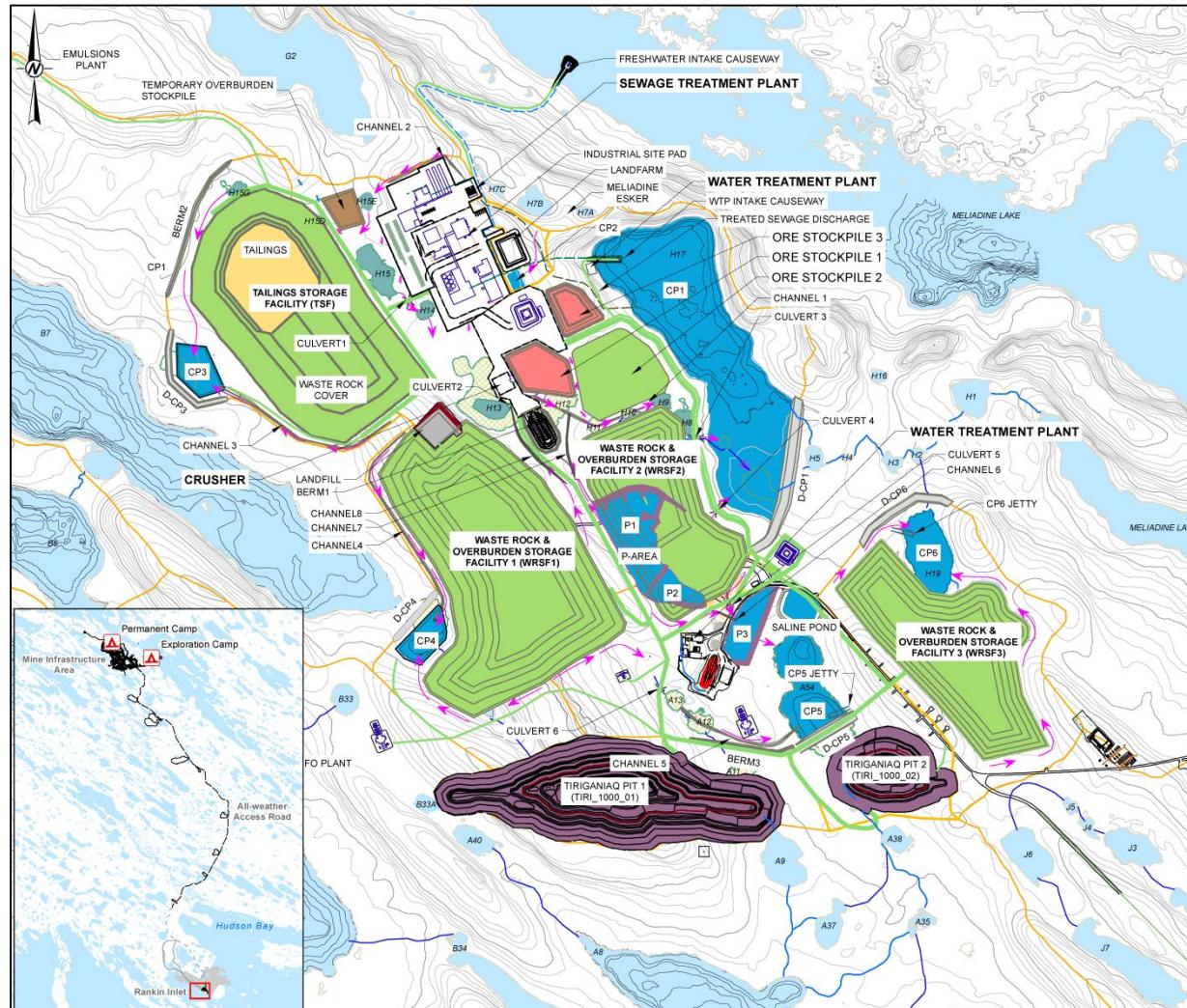
- Two (2) open pits and one (1) underground mine
- Construction began late 2015
- Operations to begin in 2019

25 ƿ̑G̑C̑ b̑q̑q̑s̑ b̑ȓb̑c̑s̑

- C̑C̑L̑ (5)
D̑L̑G̑s̑d̑G̑J̑b̑n̑C̑d̑s̑d̑C̑
 - Q̑n̑s̑d̑b̑, ȂT̑, C̑L̑, F̑d̑,
B̑b̑d̑n̑

ʌq̑n̑d̑p̑d̑s̑d̑b̑c̑b̑ ȓq̑c̑q̑b̑

- L̑P̑b̑ (2) ȏȏd̑ȇb̑s̑s̑ d̑L̑
d̑C̑d̑ȓq̑b̑ (1) ȏȏd̑ȇd̑C̑s̑
- N̑q̑d̑C̑d̑b̑C̑ c̑m̑d̑s̑ 2015
- Ȃȓq̑ȓd̑s̑d̑b̑c̑b̑ d̑q̑j̑l̑ 2019



2018 Site Visit Observations 2018-Γ¢ Δσ▷◁◁◁▷◁◁◁

Itivia Harbour / ΔΩΔ◀▫▫▫



2018 Site Visit Observations

2018-Γ¢ Δσ▷◁◁◁▷◁◁◁▷◁◁◁

Bypass Road /
ⒶⒷⒶJP¢ Ⓞ[‘]ⒹѸ¢



2018 Site Visit Observations 2018-Г҃ Сайт-визит наблюдений

All-Weather Access Road (AWAR) – Phase 1 / ᐊਵਰੀ-ਵੇਅਰੀਸ਼ਨ ਏਕਸੈਕਸ਼ਨ ਰੋਡ (AWAR) – ਫੇਜ਼ 1



2018 Site Visit Observations 2018-Γ¢ ዓይነት ማረጋገጫዎች እና ማስተካከያዎች

Mine and Camp Infrastructure / በንግድ ርዕስ የሚከተሉት ማረጋገጫዎች



2018 Site Visit Observations 2018-Г҃ Сайт-Визит ОБЗОРЫ

Waste Management / АСДС ГАСУЛДСАР



2018 Site Visit Observations 2018-Г҃ САДЫЛДАУЫР

Waste Management / АСАДА САДЫЛДАУЫР



2018 Site Visit Observations 2018-Γ¢ Δσ▷◁◁▷▷▷▷▷▷▷▷

Fuel Storage Facility / ደንብ ማኅበል ማኅበል ማኅበል



Community Monitoring Consultation -community monitoring consultation

- 2018 Community Meeting
 - Community Info Session was cancelled due to conflict, however information was presented prior to Public Hearing for Saline Effluent Discharge Modification
- 2018 2018-community monitoring consultation
 - **Delta-Deer River Consensus Project**
Delta-Deer River Consensus Project
Consensus Project d^al^ug^co^sg^t
Agreement



Socio-Economic Summary

Δມ່ນ ແລະ ສັນຕະກິດ ອາດຕະຖານທີ່

- Socio-economic Monitoring Plan and Socio-economic Monitoring Report submitted June, 2019 to committee and NIRB
 - Total of 45 Inuit employees out of 363 total workforce at the end of 2018
 - 4% skilled Inuit employees
 - 35% semi-skilled Inuit employees
 - Three main categories of training provided: Health and Safety, General (including Emergency Response Team), and Specific training
 - 19 hours of mandatory training were provided to each Inuit employee on average
 - 52 specific training hours were received per each Inuit employee on average
- Δມ່ນ ແລະ ສັນຕະກິດ ລັບປະກິດສັດ
ເຊື້ອມປະລິບ ປົກລົງທຶນ ຮູ່ 2019
ບ່ອລັກຄວາມ ດັກໂນຕົມກຳມົງກຳ
 - ບ່ອນໄມ້ 45 ດົກພາບ ແລະ ນຸ່ມມືດ
363 ລັບປະລິບ ທຸລະຍັດ 2018
 - 4% ດັກສັດໃນຄວາມ
 - 35% ວິຊາສົນ
ດັກສັດໃນຄວາມ ດົກພາບ
 - ແລະ ສັນຕະກິດ ດັກສັດໃນຄວາມ:
ໄດ້ສັນຕະກິດ
(ຈຳເປົ້າ ອົບ ຜົນບົນຫຼັງ) ໄລ ຜົນຫຼັງ
ໝາຍດັກສັດ ລັບປະລິບ ລັບປະລິບ
 - 19 ດົກວິຊາ ດັກສັດໃນຄວາມ
ລັບປະລິບ ດົກພາບ
 - 52 ລັບປະລິບ ຜົນຫຼັງ ດົກພາບ
ດັກສັດໃນຄວາມ

NIRB'S 2018 EVALUATION of the MELIADINE GOLD MINE PROJECT

Indicator	Rating	Comments
Air Quality	Needs Improvement	<ul style="list-style-type: none"> Agnico Eagle began applying dust suppressant (calcium chloride) to the entire length of the AWAR beginning July, 2018. Results of the 2018 dustfall analysis indicated lower dust deposition than 2017 results. Agnico Eagle to update the Incinerator Management Plan. Monitoring of NO₂ and SO₂ to include the CAAQs as per ECCC recommendation.
Terrestrial Environment	Satisfactory	<ul style="list-style-type: none"> Some concerns raised regarding ARD potential of waste rock used for construction materials. A timeline for construction of waste rock facilities to be provided by Agnico Eagle.
Hydrogeology and Hydrology	Satisfactory	<ul style="list-style-type: none"> Agnico Eagle to provide year-over-year comparison of actual volumes of water reporting to water retaining structures, and measured concentrations for water quality parameters with FEIS predictions in Annual Report.
Aquatic Environment	Good	<ul style="list-style-type: none"> Inadequate summary in 2018 Annual Report of project-related effects on water and sediment quality. Potential recommendation for Proponent to improve trend analysis and comparison to FEIS predictions in Annual Report.
Wildlife and Wildlife Habitat	Needs Improvement	<ul style="list-style-type: none"> To date, Agnico Eagle has not met the objectives of terms and conditions 46, 48 and 105 regarding implementation of the Hunter Harvest Survey. Signed a MOU with Kangiqliniq HTO. Effectiveness of carnivore deterrents and mitigation measures to be reviewed (i.e. fox mortalities exceeding FEIS predictions). Monitoring and mitigation for caribou in the TEMMP may require improvement to comply with term and condition 44.

፲፻፲፮፯፻፲፭ 2018 ዓ.ም ተቃዋሚ ስራ ሌሎች አገልግሎት

NIRB'S 2018 EVALUATION of the MELIADINE GOLD MINE PROJECT

Indicator	Rating	Comments
Birds and Bird Habitat	Satisfactory	<ul style="list-style-type: none"> One bird mortality incident was unreported in 2018, however Agnico Eagle has determined a path forward with ECCC on reporting of bird mortalities. Agnico Eagle to update the TEMMP to accurately reflect monitoring objectives of bird surveys.
Marine Environment/Wildlife	Good	<ul style="list-style-type: none"> Marine Mammal and Seabird Observer Report – surveys do not appear to follow ECCC seabird survey protocols. Agnico Eagle has committed to improving training for the shipping company.
Socio-Economic	Good	<ul style="list-style-type: none"> 2017-Inadequate reporting on programs and monitoring plans and a lack of reporting regarding consultation with the public and other key stakeholders (including those related to road access and the hunter harvest survey). Updates to Socio-Economic Closure plan may be required to meet term and condition 91. Inuit Employment does not meet objectives of IIBA.
Other	Satisfactory	<ul style="list-style-type: none"> 2017-Ineffective application of the road management plan and public awareness of the importance of the rules of the road. Agnico Eagle has made effort to increase emphasis on road safety and met with Rankin Inlet regarding rules on the AWAR. Signage to be updated on bypass road.
Accidents/Malfunctions	Satisfactory	<ul style="list-style-type: none"> Increased occurrence in 2017 of spills caused by 'human error'. Agnico Eagle has identified and rectified some deficiencies contributing to fuel spills and implemented secondary containment in high risk areas. The Proponent has also made effort to improve spill response training. Agnico Eagle has committed to improve its spill reporting from 2018.



Questions? ᐅᓈᖅᑐᖅᓯᓘᓻᖅ
Thank You - Matna!