

June 13th, 2025

Richard Dwyer
Manager of Licensing
Nunavut Water Board
P.O. Box 119 Gjoa Haven
Nunavut NU X0B 1J0

RE: *Meliadine Mine Jetty A8 Design Report and Drawings for 2AM-MEL1631 water licence*

Dear Mr. Dwyer,

Agnico Eagle Mines Limited (Agnico Eagle) thanks the Nunavut Water Board (NWB) for the opportunity to address comments received for Meliadine Mine Jetty A8 Design Report and Drawings for 2AM-MEL1631 water licence.






The following information and comments are intended to address comments outlined in the below referenced letter.

250603 2AM-MEL1631 REP-Design Report and Drawings for Jetty A8 CIRNAC
Comments-IMLE

Should you have any questions or require further information, please do not hesitate to contact us.

With my best regards,



Sara Savoie | Environmental Superintendent
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Crown-Indigenous Relations and Northern Affairs Canada (CIRNAC)

CIRNAC-1: DEWATERING LOCATION

Comment

The receiving location for dewatering was not identified. CIRNAC is concerned with the lack of clarity in water management plans for the site.

Recommendation

(R-01) CIRNAC recommends that the applicant explicitly state where it will relocate the water being removed from the lake.

Agnico Eagle Answer

Dewatering activities and the associated discharge to Meliadine Lake will start in June 2025 and will be seasonal during the open-water season (typically June to October). Water will be pumped from A8 to Meliadine Lake.

Lake water will be transferred from A8 to Meliadine Lake through two (2) 16" High-Density Polyethylene (HDPE) lines with a diffuser at the terminal end to control erosion and disturbance to bottom sediments. The diffuser will be located 60m offshore and floating on the lake surface which is approximately 2m deep at location 63°01'43.7" N 92°10'36.6" W.

Daily monitoring of water quality will be conducted to ensure that it remains below the effluent quality limits specified in Part D, Item 12 of the Nunavut Water Board Licence 2AM-MEL1631. Any water above these limits will be directed to CP1 for treatment through the EWTP

The dewatering phase will happen during the open-water season 2025. During the operational phase water from A8 pumped at the jetty will be pumped to CP1.

Agnico Eagle has informed ECCC of the dewatering location on April 11th 2025 and CIRNAC has inspected the dewatering location in Meliadine Lake during their May 21st, 2025 inspection, provided in Appendix 1, as shown on picture 8 of the report.

CIRNAC-2: WATER TRANSPORT FROM JETTY A8 TO CP-1

Comment

The means of transporting the water from the jetty to CP-1 is unclear. CIRNAC's concern is that the proponent provides limited information regarding water management in its submission.

Recommendation

(R-02) CIRNAC recommends that the applicant indicates the method for transporting the water and the route to be taken to transport the water to CP-1.

Agnico Eagle Answer

The dewatering piping layout in attachment details the pipes and routing during the dewatering phase of Lake A8.

During the operational phase, the water will be pumped from the end of the jetty using a submersible electrical pump. Water will be transported to CP1 in a 16" HDPE pipe. The pipe path will be the same as the one used for the Dewatering phase.

CIRNAC-3: SUBMERSIBLE PUMP SPECIFICATIONS AND STORAGE LOCATION

Comment

The specifications for the submersible pump and the storage location when not in use were not provided. CIRNAC is concerned that without information about the type of fuel used and its storage location it is difficult to ensure safe handling of fuel within the management plan.

Recommendation

(R-03) CIRNAC recommends that the applicant state the specifications for the submersible pump and where it will be stored when not in use.

Agnico Eagle Answer

The submersible pump that will be used at CP9 as design is a MAV-1075HC, 75HP. The specification sheet is provided in Appendix 2. At the end of the pumping season, the pump will be winterized in the water management shop and stored in a non-heated seacan.

CIRNAC-4: IMPACTS OF EFFLUENT DISCHARGE ON PHYTOPLANKTON IN MELIADINE LAKE

Comment

The drawings indicate that there will be a road located on the far side of the lake from jetty A8 and it is labelled as the Road to Pump yet there is no indication if this is the access road that will also be used for the construction of the jetty. CIRNAC is concerned by the lack of clarity around the use of the access road to the jetty for construction purposes and the lack of details around water management for the road.

Recommendation

(R-04) CIRNAC recommends that the applicant clarify if the road to the pump is the access road to be used for the construction of the jetty and provide any water management plans that may need to be implemented as a result.

Agnico Eagle Answer

Small access roads have been built to access the area where the A8 jetty will be built. These access roads have been inspected by CIRNAC provided in Appendix 1. To limit the disturbance

of the tundra these access roads are following the exact same path as the final haul roads that are planned to be built in winter 2026 in the area. The paths of the access roads and planned haul road are shown on the 2025 Dewatering Access Roads Layout provided in Appendix 3.


Appendix 1: 2025-KIV5-KA-2AM-MEL1631-Inspection Report

Water Licence Inspection Report

☒Original
☐Follow-Up Report

Authorization	Representative
2AM-MEL1631	Sara Savoie
Authorization No. / Expiry	Representative's Title
March 31, 2031	Environmental Superintendent
Inspection Date	Inspector
May 21, 2025	RMO Kyle Amsel
Other Authorization/s	
Activities Inspected	
<input type="checkbox"/> Municipal <input checked="" type="checkbox"/> Camp, Commercial <input type="checkbox"/> Drilling <input checked="" type="checkbox"/> Mining <input checked="" type="checkbox"/> Construction <input checked="" type="checkbox"/> Reclamation <input checked="" type="checkbox"/> Fuel Storage <input checked="" type="checkbox"/> Roads/Hauling <input type="checkbox"/> Winter Hauling <input type="checkbox"/> Camp, Private <input type="checkbox"/> Other Click or tap here to enter text.	

Section 1 Comments
<p>On May 21, 2025 Resource Management Officer Kyle Amsel (Inspector) for Crown-Indigenous Relations and Northern Affairs Canada conducted an Inspection of Water Licence 2AM-MEL1631 (Licence) issued to Agnico Eagle Mines Ltd. (Proponent) for use of water and deposit of waste in support of a Mining Undertaking (Undertaking).</p> <p>Accompanying the Inspector was Sara Savoie Environmental Superintendent, Alexandre Langlais-Bourassa Supervisor, Environment and Gabriel Chiasson-Poirier Supervisor, Environment Water Management (Representatives).</p> <p>Preliminary Information</p> <p>The purpose of the inspection was to determine compliance with the Licence in relation to new infrastructure in the Pump development and freshet preparation.</p> <p>Observations</p> <p>1) Pump Development</p> <p>a) Pump 1/Containment Pond (CP) 9 (Photo 1 & 2)</p> <p>i) During inspection it was noted that CP9 is not in it's completed phase for freshet. Representatives indicated at time of inspection that further removal of ore was required prior to commissioning as a containment pond. It is also noted that guarding of permafrost in the overburden layer is not completed.</p> <p>ii) During inspection flow was noted from the now dewatered lake B36 into the pit. Representatives stated the plan is to pump what freshet water occurred this spring from B36 then pump out the pit. After the pit is dewatered further work will occur.</p> <p>iii) Water from this area is pumped to CP4.</p> <p>iv) The Inspector is concerned that melting of the permafrost around CP9 could occur with summer season approaching.</p> <p>b) Channel 11 (Photo 3)</p> <p>i) Channel 11 has been completed and there are no concerns noted by the Inspector.</p> <p>ii) Piles of material on the outside are of the Channel are from melting snow which were cleared during the process of construction. The inspector raises no concerns with this and Representatives indicated a spring clean up will occur to remove any waste which may remain after melt.</p> <p>iii) No water is currently flowing in the Channel. Representatives state this is attributable to a lack of snow accumulation due to the recent development in the area.</p> <p>c) Berm 4 (Photo 4)</p> <p>i) Berm 4 has been completed and there are no concerns noted by the Inspector.</p> <p>d) CP9 Thermal Berm (Photo 5 & 6)</p> <p>i) The CP9 Thermal Berm has been completed. All capping and thermistors to monitor freeze level are in place. There are no concerns raise by the Inspector.</p> <p>e) A8 dewatering (Photo 7)</p> <p>i) Construction of the jetty was underway at the time of inspection. Markers were in place for heavy equipment operators to place gravel. The permitted construction of the jetty into the lake would occur soon according to Representatives.</p> <p>ii) The concrete blocks to anchor the water intake line of A8 was in place and the water discharge line into Meliadine Lake near the exploration camp was in place. (Photo 8)</p> <p>f) Work is continuing on Pump Pit 2 (Photo 9)</p> <p>2) Pre-Freshet work</p> <p>a) During the inspection activities on the All-Weather Access Road (AWAR) were ongoing. An excavator was actively engaged in the clearing of culverts between km 12 and km 13.(Photo 10)</p> <p>b) All containment ponds except for CP6 had snow on the access ramp removed and where prepared for spring melt.</p> <p>3) Water Usage to date for 2025 was 215,141m³</p>
Section 2 Non-Compliance
No instances of non-compliance
Section 3 Action Required
No actions required
Section 4 Other

Licensee or Representative	Inspector's Name
Sara Savoie	RMO Amsel
Signature	Signature
	
Date	Date
	May 30, 2025

Office Use Only:	Follow-up report to be issued by Inspector	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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PHOTO LOG			
Date:		Authorization Number:	Camera/Model:
May 21, 2025		2AM-MEL1631	Nikon Coolpix
Inspector			
RMO AMSEL			
Photo #	1	Coordinates:	N63° 0' 33" W92° 13' 16"
			
Description:			
Pump Pit 1/CP9. Not lack of guarding on overburden layer.			



Photo #	2	Coordinates:	N63° 0' 33" W92° 13' 16"
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2025.05.21

Description:
Pump Pit 1/CP9

Photo #	3	Coordinates:	N63° 0' 14" W92° 13' 18"
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2025.05.21

Description:
Channel 11



Photo #	4	Coordinates:	N63° 0' 14" W92° 13' 21"
			
Description:			
Berm 4			

Photo #	5	Coordinates:	N63° 0' 32" W92° 13' 31"
			
Description:			
Completed CP9 Thermal Berm.			



Photo #	6	Coordinates:	N63° 0' 32" W92° 13' 35"
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Description:
Completed CP9 Thermal Berm. View facing Lake B4.

Photo #	7	Coordinates:	N63° 1' 30" W92° 13' 32"
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Description:
Lake A8 on dewatering road facing South-West. Note orange markers going into distance on right of photo. Also note concrete blocks on ice center right on ice.



Photo #	8	Coordinates:	N63° 1' 37" W92° 10' 27"
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Description:
Meliadine Lake near exploration camp. Note line in distance on ice prepared for de-watering of Lake A8. Concrete blocks at end of line will melt through ice during break up and anchor the floating diffuser.

Photo #	9	Coordinates:	N63° 0' 17" W92° 12' 54"
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Description:
Pump Pit 2 in center of photo. Lake A8 in background.



Photo #	10	Coordinates:	N62° 53' 53" W92° 4' 0"
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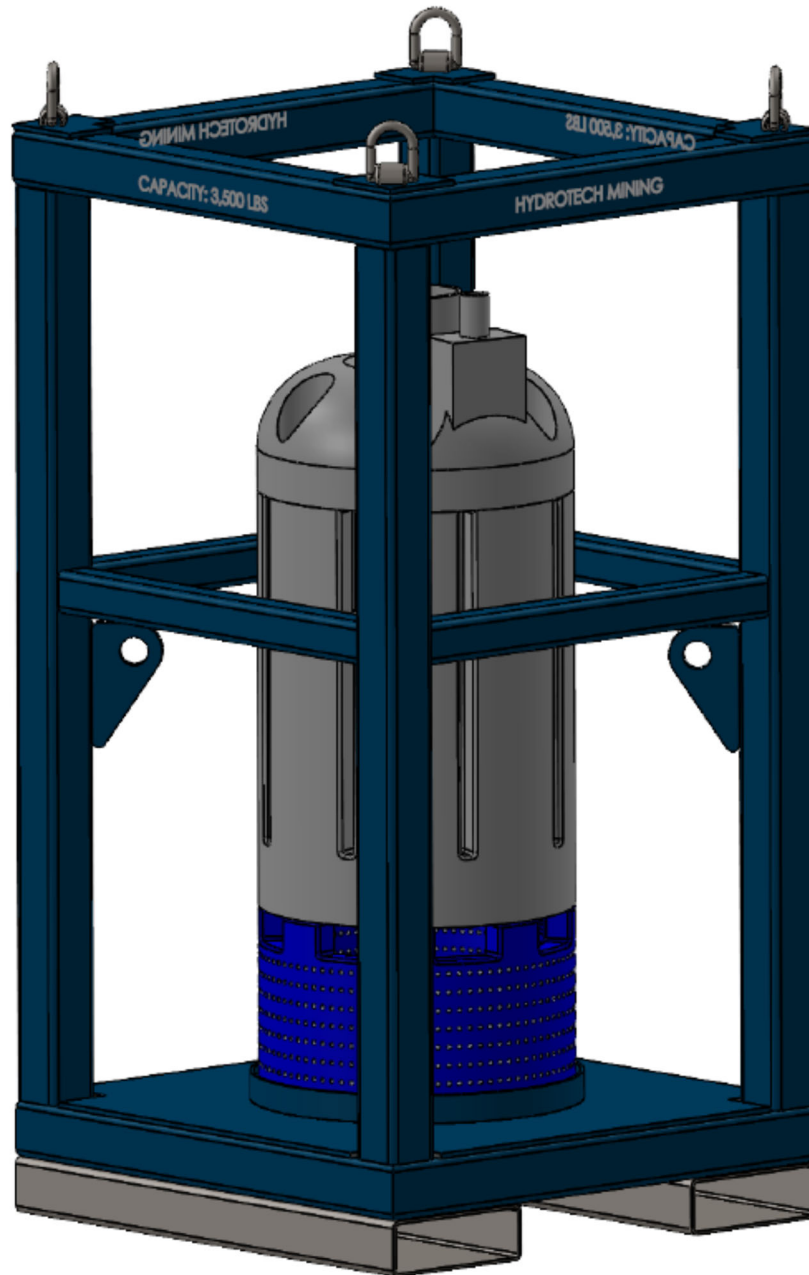


Description:

Crews removing snow and ice from culverts along the AWAR.

Appendix 2: Pump specifications sheet

MAV-1075HC package 6542-S-265-020-EDS-001

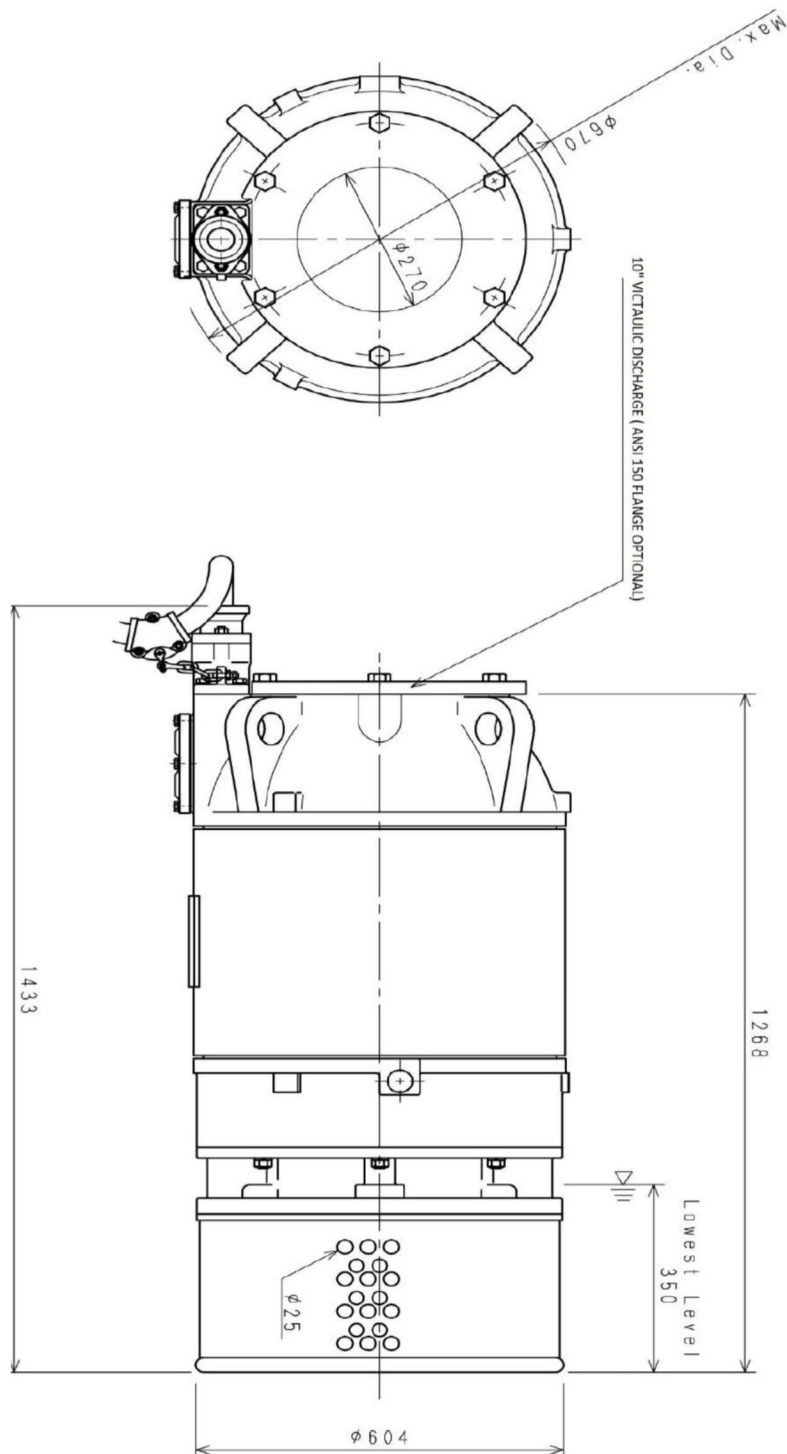


**Preliminary design only*

Duty point

- Flow: 375m³/h
- Head: 20.86 m TDH
- Total power: 75HP

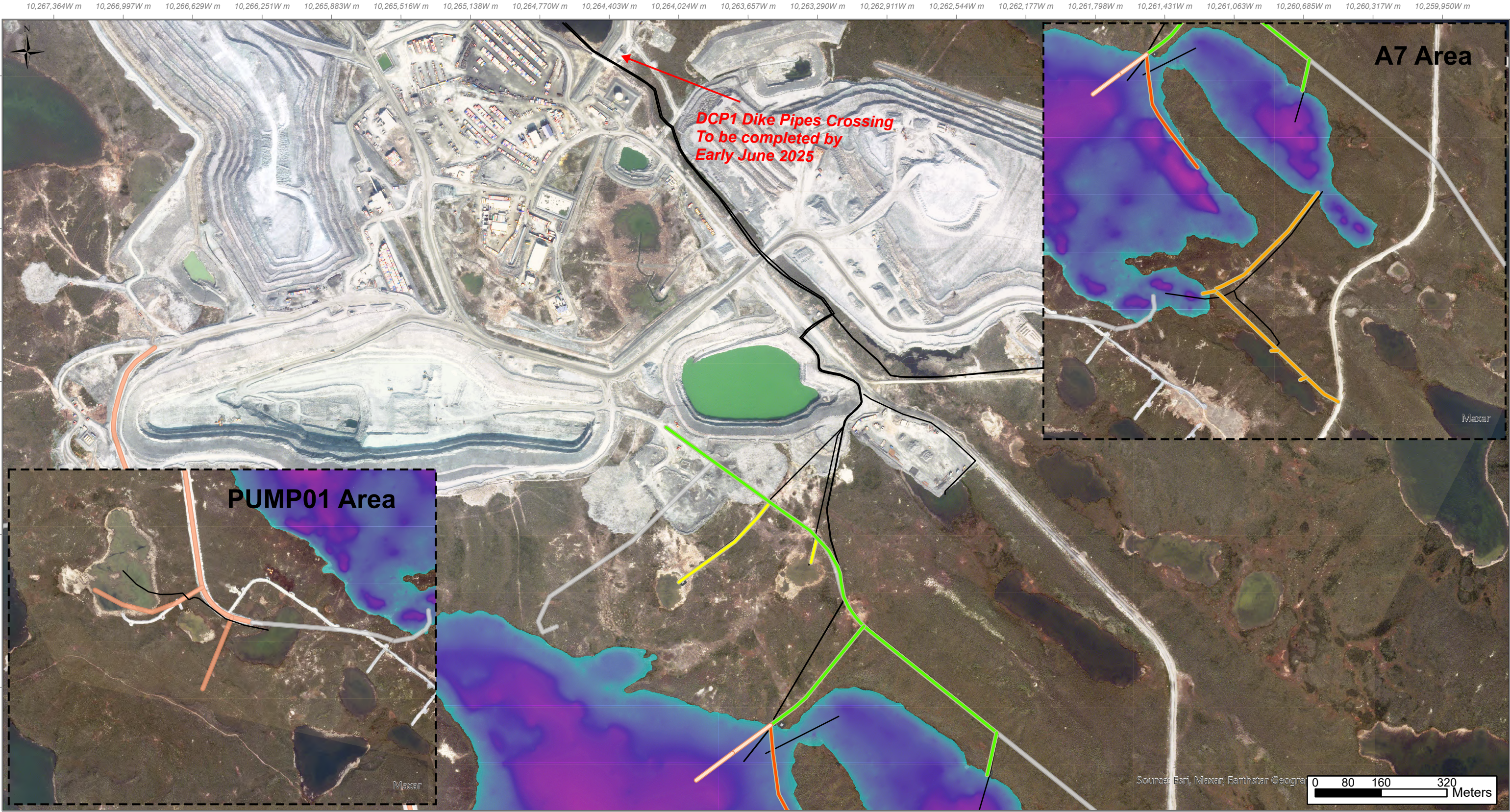
Pumps Dimensions 6542-S-265-020-EDS-001



Specification pump sheet 6542-S-265-020-EDS-001

 MAV-1075HC Specification Sheet	
Discharge Diameter - inch (mm)	10 (250)
Flow at rated point - USGPM (m3/h)	2112 (480) <small>Speed of the pump will be adjusted to reach the target of 375 m3/hr</small>
Head at rated point - ft (m)	89 (27)
Impeller Type	Semi Open Impeller
Max Solide Sizes - inch (mm)	NA
Weight - lb (kg)	1606 (730)
Diameter - inch (mm)	26 (670)
Height - inch (mm)	56 (1435)
Motor size - HP (kw)	75 (55)
Seal Type	Double Mechanical Seal
Mechanical Seal Cooler	Non-additive Turbine Oil (JIS No.1)
Oil Capacity - Gallons (L)	2,5 (9,5)
Number of bearings	3
Run Dry Motor	Yes
Speed - RPM	1800
Voltage - V (at 60Hz)	575
Rated Current - A (at 60Hz)	77,0
Motor Service Factor	1,0
Motor Protection	NA
Starting Method	Softstart
Insulation Class	F
Service Factor	1,0
Cable length - ft (m)	328 (100)
Shaft	SUS420J2 Stainless Steel
Pump Casing	Ductile Cast Iron
Impeller	High Chrome Alloy
Suction Cover	Cast Iron
Upper Bearing	6310ZZC3
Lower Bearing	7314BDBC3
Standard Connection Type	10" Victaulic

Appendix 3: 2025 Dewatering Access Road



- Dewatering Piping
- Temporary A8 Dewatering Jetty
- WESMEG Pits Footprint
- Hauling Roads**
- Built Hauling Roads
- Planned Hauling Roads

- Dewatering Access Roads**
- Mai 2025 - Completed
 - Due by July 10th
 - Due by July 15th
 - Due by August 10th

2025 Dewatering Access Roads

Scale: 1:9,000
Map Units: Meter

System: NAD 1983 UTM Zone 15N
Datum: North American 1983



Drawing by:	Date:
Gabriel Chiasson-Poirier	2025-03-27
Revised by:	Date:
Pascal Marcotte	TBD
Approved by:	Date:
John Beechler	TBD