

7DAILY REPORT #96 – DORIS NORTH INFRASTRUCTURE/ NORTH DAM

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Reviewed by:		Project #:	1CH008.058.0320
Role	Company	Personnel – Position	On Site
Client	Hope Bay Mining Limited (HBML)	Angela Holzapfel – ESR Compliance Manager David Vokey – ESR Coordinator Dean Wold - Safety Jill Turk – ESR Coordinator Katsky Venter – ESR Manger Michelle Tanquay – ESR Site Manager Stirling Kelly – HSLP Advisor	No Yes Yes No No Yes No
	JDS	Doug Fielding – Construction Manager Ishan Fechter – Construction Coordinator Jerry Graham – Construction Manager Mark Valeriot – Construction Manager Calvin Goldschmidt – Construction Coordinator	No Yes Yes No No
Engineering Design Consultants	SRK Consulting (Canada) Inc.	Megan Miller – Site Engineer Lawrence Borowski – Site Engineer Iozsef Miskolczi – Site Engineer	No Yes No
Earthworks Contractor	Nuna Logistics	Doug Haverland – Area Superintendent Gary Sodhi – Field Engineer Georges Cornelissen – Survey Manager Jeff Roberts - Surveyor Jim Cardinal – Foreman Jordan Gunter – Foreman (Day Shift) Kyle Kuntz – Project Engineer Margaret Caley – Surveyor Mike MacMaster – Surveyor Mike Price – Field Engineer Rick Peter – Foreman (Night Shift) Simon Chipper – Civil Supervisor Trevor Sorken – Superintendent	Yes Yes No Yes No No Yes No No No Yes No No
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WEATHER (ROBERTS BAY)

<http://www.wunderground.com/weatherstation/WXDailyHistory.asp?ID=INUNAVUT3>

Temperature/Wind Chill (°C)	6AM:12.4/-16.5	12PM: -5.3/-8.3	6 PM: -6.7/-9.9	12AM: -14/-22
Precipitation (mm)	Rain: None		Snow: None	
Conditions	Day Shift: Cloudy with sunny breaks. Light wind		Night Shift: N/A.	
Daily norms (°C)	24 hour high:-1.6C		24 hour low -17.3C	

HEALTH, SAFETY AND ENVIRONMENT

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COMMENTS, CORRESPONDENCE AND ACTIVITIES

DAILY MEETING WITH NUNA AND HBML TEAM:

- The daily meeting was attended by Nuna [Doug Haverland, Kyle Kuntz, Gary Sodhi], ESR [Michelle Tanquay], JDS [Jerry Graham, Ishan Fechter], SRK [Lawrence Borowski,], HBML [Dean Wold]

Topic	Status
Health and Safety and Environment	<ul style="list-style-type: none"> Safety: No safety concerns. There have been equipment issues lately. Reminded everyone that reporting incidents is crucial. ESR: discussed activities at the jetty including refueling practices, cleanliness of equipment, and the need for sampling on both sides of the silt fence.
North Dam	<ul style="list-style-type: none"> No activity. No activity planned for the dam today.
Water Management Structures	<ul style="list-style-type: none"> Completed placing ROQ from ~ Sta 4+00 to Sta 5+30 Plan to place ROQ on the remaining section today.
General	<ul style="list-style-type: none"> Core box removal complete. Geology cleaning up debris. Excavation at the jetty started yesterday and continuing today Snow clearing on the road to the Roberts Bay Tank Farm diversion berm continuing today. WestArc still planning to retrofit excavator Thursday to drill at the dam.

SURVEY:

Required	<ul style="list-style-type: none"> Dam crush over south thermosyphons pipes where they extend to the radiator (after compaction is complete) Diversion Berm material as placed Dam final ROQ All bridge thermistor cable locations
Data Received	<ul style="list-style-type: none"> None
Outstanding	<ul style="list-style-type: none"> None
Upcoming	<ul style="list-style-type: none"> Polution/Sedimentation Ponds thermistor cable locations RBTF diversion berm as-built

Multi-bead Thermistors

- All thermistors at the dam were read
- Thermistors at the pollution control pond were read.

DAM SHELL:

- No activity.

DORIS NORTH DIVERSION BERM:

- Placing second lift ROQ continued. ROQ placed under cables.
- Approx. 25 m left to cover. Issue with trench width. Excavator unable to reach across to remove snow. Small excavator brought in to walk on 1st lift of ROQ and remove snow.
- Bulk ROQ completed by end of shift.

SUMPS:

- No activity.

QUARRY #2

- RQO was hauled to the Diversion Berm.
- ¾ in. material was hauled to the pollution ponds for bedding thermister cable.
- 6 in material was hauled to the pollution pond to fill voids in ROQ.
- ROQ was hauled to the jetty.

GENERAL:.

- Tests on the thermosyphons were not continued today. Tests on thermosyphons 31,32,33,34,35,36 remain to be done. With temperatures reaching -6C today it may be awhile before cold temperatures are the norm.
- Cable from thermister SRK-12-GTC-DH03. was run up the side of the Pollution Control berm to a termination point on the float plane dock access road.
- Rip rap had been placed on the berm. Removing the rip rap down to the geotextile below was not considered to be a viable option. In lieu, 6 in material was used to provide a stable platform for placing the cable.
- Cable was bedded in ¾ in material, wrapped with geotextile, and covered with ¾ in material.
- Final cover up the slope was select ROQ.
- The cable was ~ 1 meter short. In lieu of splicing a short section of cable, a second hole was drilled and a second read out location was created.
- Currently, the cable is threaded through a 3 in pipe and excess is draped over the edge. Nuna advises that wood termination boxes will be constructed and fastened to the 3 in pipe at the Pollution Pond locations and at the 5 bridge locations.
- Snow is now cleared on the road to the diversion berm at the Roberts Bay tank farm. A site decision was made regarding the alignment of the berm.
- Work continues at the jetty, excavating, removing ice, and backfilling with ROQ.

PHOTOS



Photo 1: Surface of Pollution Pond bank after snow removal. Cable path between Pollution Pond floor and road.
Photo 2: 6 in material placed to fill voids in rip rap .



Photo 3: Preparing to wrap cable with geotextile.



Photo 4: Wrapped cable ready for $\frac{3}{4}$ in crush.



Photo 5: Cable covered with $\frac{3}{4}$ in crush. Final ROQ surfacing underway.



Photo 6: Final product. ROQ terminates at road surface.

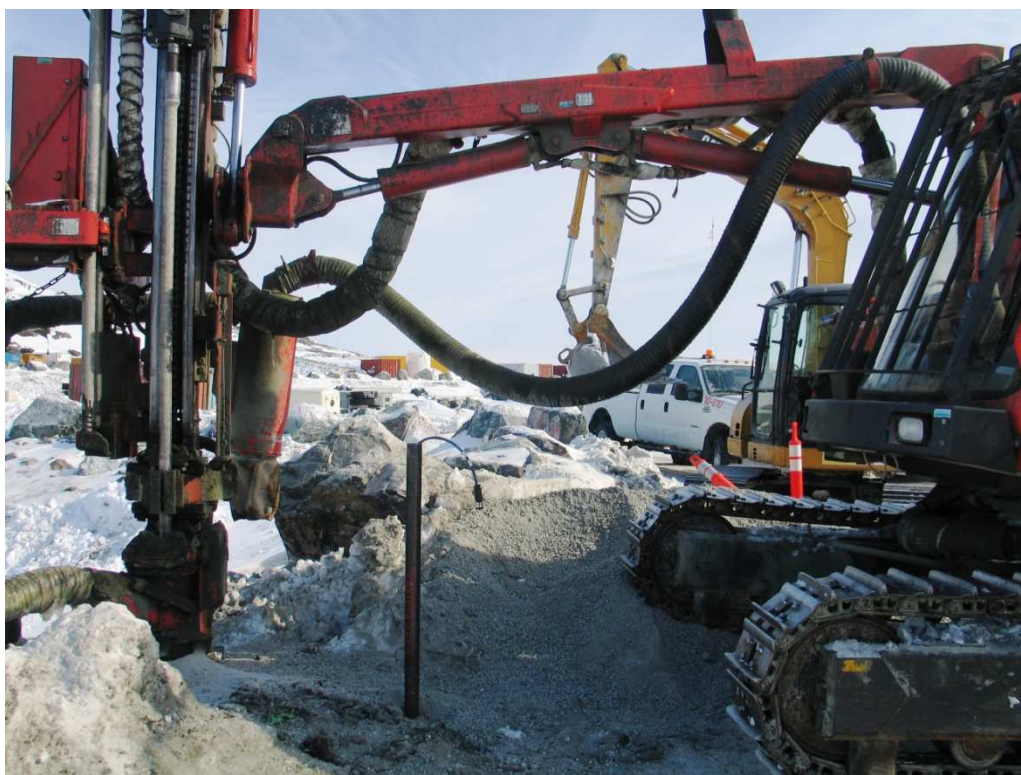


Photo 7: Drilling a 2 foot hole. Cable was ~ 1 meter short.



Photo 8: Finished product. The second pipe could have been higher. A wood junction box will be fastened to the pipe to protect the end of the cable.

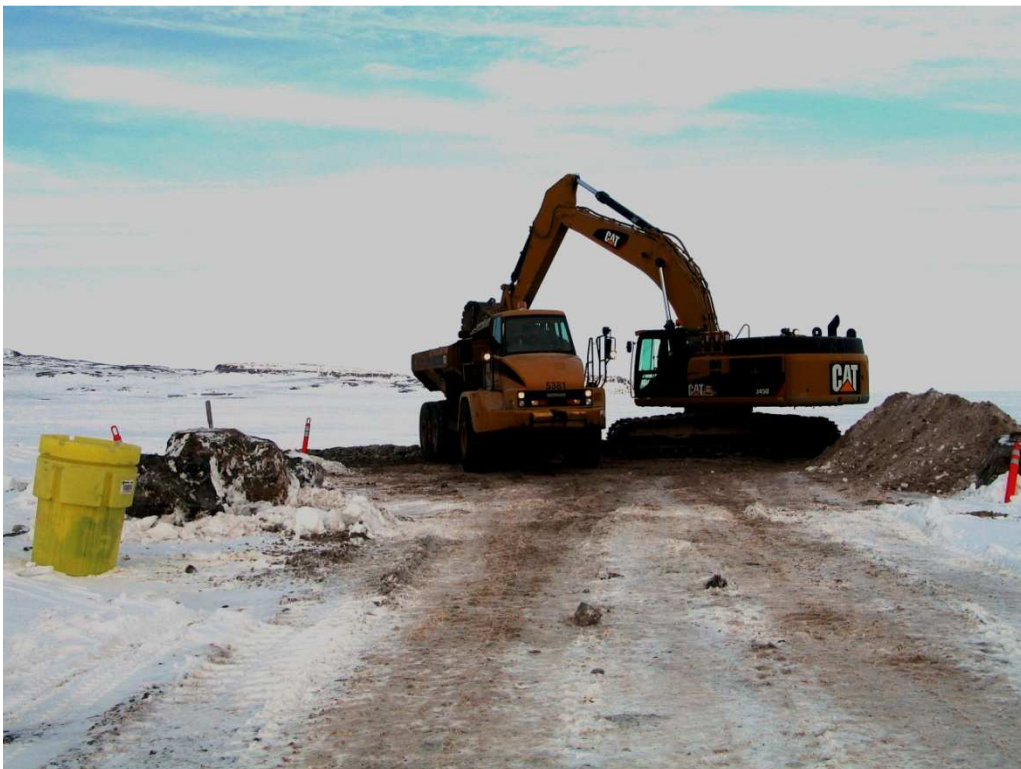


Photo 9: Work at the jetty.



Photo 10: Completed work at the berm, ~ Sta 2+50 facing west.



Photo 11: Progress photo – electrical cable in background ~ Sta 1+50 facing east.