

DAILY REPORT #51 – 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 Don Ethelston – HSLP Advisor Dean Wold - Safety Jill Turk – ESR Coordinator Katsky Venter – ESR Manger Michelle Tanquay – ESR Site Manager Stirling Kelly – HSLP Advisor	No No Yes No No No Yes No
	JDS	Lloyd Jackson – Mechanical Superintendent Doug Fielding – Construction Manager Ishan Fechter – Construction Coordinator Jerry Graham – Construction Manager Kevin Whieldon – Project Coordinator Mark Valeriote – Construction Manager	Yes Yes No No Yes No
Engineering Design Consultants	SRK Consulting (Canada) Inc.	John Kurylo – Site Engineer Megan Miller – Site Engineer Lawrence Borowski – Site Engineer Murray McGregor – Site Engineer Iozsef Miskolczi – Site Engineer	No No Yes Yes Yes
	EBA Engineering Consultants Ltd.	Jeff Orr – Project Manager Jennifer Stirling – Geologist Thomas Bradshaw – Junior Engineer Ernest Palczewski – Geologist	Yes No Yes No
Earthworks Contractor	Nuna Logistics	Bradford Watkin – QC Manager Doug Haverland – Area Superintendent Gary Sodhi – Field Engineer Georges Cornelissen – Survey Manager Jeff Roberts - Surveyor Jim Cardinal – Foreman Jordan Gunter – Foreman Kevin Oakes – Project Engineer Kevin Kozdrowski – Foreman Kyle Kuntz – Project Engineer Margaret Caley – Surveyor Matt McKay – Civil Supervisor Mike MacMaster – Surveyor Mike Price – Field Engineer Nick Stoneberger – Superintendent Rick Peter – Foreman Ron MacMaster – Surveyor Simon Chipper – Civil Supervisor	No No No Yes No Yes Yes No No No No Yes Yes Yes Yes Yes No No No
External Distribution List:	SRK: Maritz Rykaart, Lowell Wade, Seema Kang, Silkie Wong EBA: Robert Zschuppe Nuna: Chris Petrovic JDS: Bob Prince-Wright, Calvin Goldschmidt HBML: Dave Power, Gerry Benson		
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WEATHER (ROBERTS BAY)

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

Temperature/Wind Chill (°C)	6AM: -34/--	12PM: -34/-42	6 PM: -34/--	12 AM:-34/-49
Precipitation (mm)	Rain: None		Snow: None	
Conditions	Day Shift: Clear, calm and cold.		Night Shift: Cold. Clear sky. Calm to moderate wind.	
Daily norms (°C)	24 hour high: -32.6		24 hour low: -35.1	

HEALTH, SAFETY AND ENVIRONMENT

- Iozsef Miskolczi and Thomas Bradshaw attended the daily toolbox meeting.

COMMENTS, CORRESPONDENCE AND ACTIVITIES**DAILY MEETING WITH NUNA AND HBML TEAM:**

- The daily meeting was attended by Williams Wireless, Newmont [Don Ethelston], JDS [Doug Fielding, Kevin Whieldon] Nuna [Nick Stoneberger] and SRK [Murray McGregor, Lawrence Borowski, Jeff Orr]

Topic	Status
Health and Safety and Environment	<ul style="list-style-type: none"> • Nuna stated there was an incident where a haul truck hit a bay door as a result of the door not being fully opened; Nuna has told their staff that cutting corners in this manor is not acceptable. • Nuna stated there was about a litre of oil that required clean-up at the dam.
North Dam	<ul style="list-style-type: none"> • SRK reported more placement across the dam, all testing indicates that specification has been met. • Nuna plans to start looking at patching the liner and getting some of the slope properly tied in. • SRK inquired about the depression at the north end of the dam; Nuna stated they will hopefully be placing there today.
Water Management Structures	<ul style="list-style-type: none"> • SRK stated that sump #1 looks good. • Nuna plans to dig around some cables at the Doris Berm with the 345 excavator. • SRK inquired about the install date for the sumps; Nuna stated they will not go in until they have the manpower to backfill correctly in one session (approx. 1 week). • Nuna inquired about the status of the Doris Bridge thermistors; SRK will check them today to ensure they are functioning. • Nuna inquired about moving the thermistor install locations at the windy bridges; SRK will assess the inquiry.
General	<ul style="list-style-type: none"> • Nuna stated that both drills are moving to Quarry 2 today.

SURVEY:

Required	•
Data Received	<ul style="list-style-type: none"> • QC 120224 ND Sections • AB 120223 ND TR • AB 120224 ND FC • AB 120224 ND ROQ • AB 120224 ND TR
Outstanding	•
Upcoming	<ul style="list-style-type: none"> • Survey of FCM after placement (ongoing). • Survey of Doris North Diversion berm (ongoing).

NORTH DAM/FROZEN CORE PLANT PAD:**Multi-Bead Thermistors**

- The field datalogger was re-programmed to include the last 3 horizontal thermistor strings.

Frozen Core Plant*Dayshift*

- One truck was driven under the surge bin for reject; the plant was turned on to clean out excess material for reject.
- The operator and labourers cleaned material build-up on belts.
- No FCM was sent to the dam on dayshift.

Nightshift

- No core was produced.

Dam Shell*Dayshift*

- No activity.

Nightshift

- No activity.

Key Trench/ Central Core*Dayshift*

- Mechanics had difficulty removing the Cat 330 excavator with a blown engine; a dozer was used to assist its decent down the hill onto the low-bed.
- Labourers exposed more liner and cut GCL patches for torn sections from chainage 1+90 to 1+50; good dental cleaning was observed.
- Patches have not yet been sealed with bentonite powder.
- No material was placed during dayshift.

Nightshift

- The 5/8 crush covering the HDPE liner past the exposed GCL was ripped with the Cat 345 excavator. The material broke up in large blocks, at it appeared to not be sticking to the HDEP liner.

Field Geotechnical Testing, Laboratory and Sampling**SINGLE BEAD THERMISTOR STATUS**

Installed Today			Active			Destroyed / Abandoned		
ID	Station	US/DS/Center	ID	Station	US/DS/Center	ID	Station	US/DS/Center
			SB17	0+90	CL			

- A summary of today's material testing progress is presented in the tables below.

PARTICLE SIZE DISTRIBUTION SUMMARY

Collected	Testing In Progress	Completed
HB12-CR-CORE-PSD54-QA-20120225	HB12-CR-CORE-PSD54-QA-20120225	

MOISTURE CONTENT SUMMARY

Collected	Testing In Progress	Completed
None		

DRILLED CORE

Collected	Testing In Progress	Completed
HB12-ND-CORE-DC54-QA-20120225 HB12-ND-CORE-DC55-QA-20120225		

DORIS NORTH DIVERSION BERM:

- Layfield continued to lay geotextile above the lower crush layer with the zoom boom
- Cat 325 excavator removed debris from the key-trench in the morning; then placed old FCM in the key-trench in the afternoon.
- Two labourers assisted with plate tamper compaction, raking crush and installing liner.

DORIS SUMPS:

- No activity.

QUARRY #2:

- Crusher continued re-crushing ¾ inch into new FCM; no samples were taken during dayshift.
- Crusher ran all nightshift. One sample was collected from the belt for PSD analysis.

GENERAL:

- Building of the snow road across Doris Lake continued using a Snow Cat and water truck. Snow was hauled from the ice airstrip to the tundra portion of the road, near the dam.
- The generator used for core drilling was taken to the mechanical shop for repairs.

SRK met with Nuna construction management to discuss possible strategies for dam progression. JDS was informed of the planned changes during an evening conference call with SRK and Nuna. The following action items summarize the outcome:

- Nuna plans to slope the upstream side to grade as each lift goes in; they will have a labourer raking to final grade after the 10 tonne vibratory packer has compacted each lift.
- Nuna stated they will make the center of the dam the highest priority to ensure the section requiring the most material will be done whenever freeze-back is achieved; secondary focus will be to clean, prepare and place in problematic areas to create a smoother working surface.
- Nuna plans to peel back the ROQ and 5/8 Clear using an excavator; if there is damage to the liner, it will be repaired after everything is exposed to avoid perpetual reparation; SRK will review this strategy and provide Nuna with a response in the next couple days.

PHOTOS:



Photo 1: Daily progress photo of Sump #1.



Photo 2: Daily progress photo of Sump #2.



Photos 3: Photo of the Doris North Diversion Berm; excavator placing crush along the crest. Bentonite chips along the base of the key-trench extend up to the jerry-can.



Photos 4: Extent of current HDPE placement; approximately 100m of placement to date.



Photo 5: Repairing the sieve shaker in the geotechnical lab.



Photo 6: Dental cleaning from chainage 1+50 to 1+90 at the dam. Patches were cut and placed over tears; no bentonite has been applied at this point.



Photo 7: Photo of dam activities during the day, view SW.

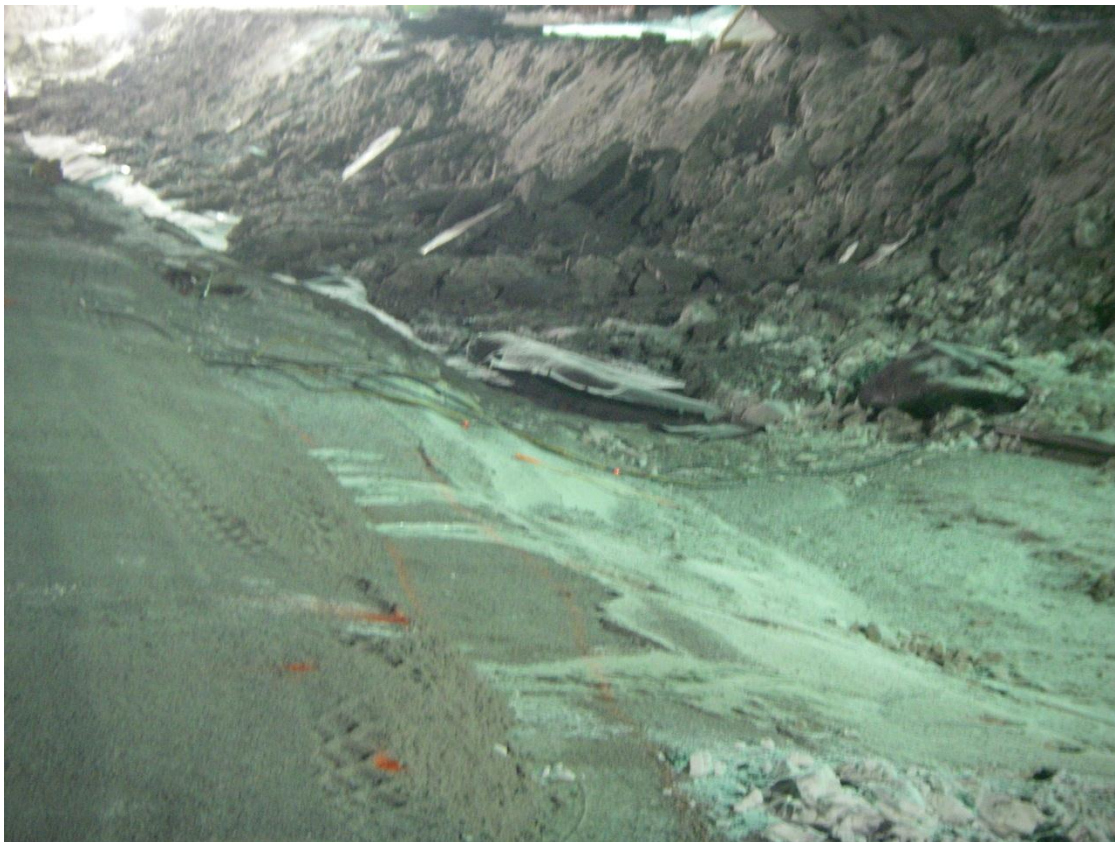
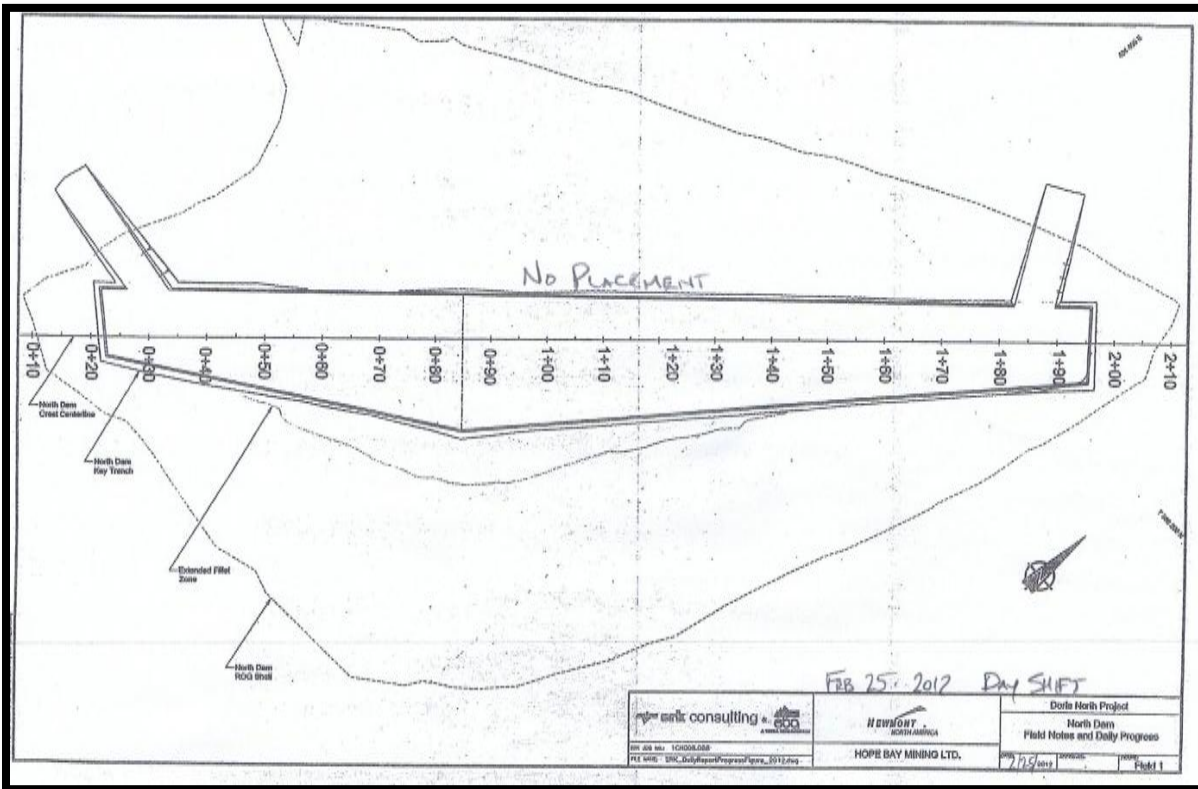


Photo 8: The 5/8 crush protecting the liner broken up. Photo looking east from Sta. 1+35.

FIGURES:**Figure 1 – North Dam Progress – Dayshift****Figure 2 – North Dam Progress – Nightshift**