

DAILY REPORT #48 – DORIS NORTH INFRASTRUCTURE/ NORTH DAM

Prepared by:	Murray McGregor Iozsef Miskolczi	Date:	2012.02.22
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 No No Yes 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 Yes No No Yes
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 No Yes Yes
	EBA Engineering Consultants Ltd.	Jeff Orr – Project Manager Jennifer Stirling – Geologist Thomas Bradshaw – Junior Engineer Ernest Palczewski – Geologist	No No Yes Yes
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 Yes No Yes No Yes Yes No No Yes Yes Yes Yes Yes No 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: -32/--	12PM: -30/--	6 PM: -30/-39	12 AM:-31/-45
Precipitation (mm)	Rain: None		Snow: None	
Conditions	Day Shift: Sunny with light breeze in the morning; cold with a stiff breeze during the evening.		Night Shift: Cold. Clear sky. Calm wind.	
Daily norms (°C)	24 hour high: -27.3		24 hour low: -32.8	

HEALTH, SAFETY AND ENVIRONMENT

- Iozsef Miskolczi and Thomas Bradshaw attended the daily toolbox meeting.
- Ernest Palczewski 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 [Michelle Tanquay], JDS [Doug Fielding, Mark Valeriot, Ishan Fechter], Nuna [Doug Haverland, Kyle Kuntz] and SRK [Murray McGregor, Iozsef Miskolczi]

Topic	Status
Health and Safety and Environment	<ul style="list-style-type: none"> • No new safety incidents. • No new ESR items
North Dam	<ul style="list-style-type: none"> • SRK reported more placements at the dam and more sieve results. • Nuna plans to get the plant running before 09:00.
Water Management Structures	<ul style="list-style-type: none"> • SRK inspected the berm yesterday; it was noted that there was a small workforce for the amount of work. • Nuna stated there is high turnover in labour staff; they are attempting to get more help. • Nuna plans to get more labourers to the berm today.
General	<ul style="list-style-type: none"> • SRK left the meeting early in order to get into the field as soon as possible.

SURVEY:

Required	<ul style="list-style-type: none"> • As-built survey of FCM placed Feb 21, 2012 • As-built survey of Transition Material placed Feb 21, 2012 • As-built survey of Transition Material placed Feb 20, 2012 • As-built survey of Transition Material placed Feb 21, 2012 • As-built survey of ROQ placed Feb 21, 2012
Data Received	<ul style="list-style-type: none"> • QC Cross sections working file North Dam 120221
Outstanding	<ul style="list-style-type: none"> •
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**

- No activity.

Frozen Core Plant

Dayshift

- The plant started up at 8:30 when sweeping was nearly complete.
- An issue with the outside feed belt caused delays until 10:30.
- After the plant started for a second time, things were running smoothly until 14:00 when there was another feed belt breakdown.
- The second breakdown duration was very short, only lasting for a few minutes.
- Around 16:00, the FCP ran out of water and performed another temporary shut-down.
- Material production continued until 18:30.

Nightshift

- The plant was started up shortly after 9PM. After an initial power outage the plant worked smoothly. The plant was stopped after only two loads due to a hydraulic leak of the excavator. Once the replacement excavator was brought to the dam the plant was restarted and ran until about 4 AM.

Dam Shell**Dayshift**

- No activity.

Nightshift

- Transition material was placed from Sta. 0+50 to Sta1+10 against the core placed on the previous dayshift.

Key Trench/ Central Core**Dayshift**

- An area from 1+25 to 0+55 was cleaned for placement.
- Material placed had a noticeable sheen; some puddles formed in the low point across the core.
- Diligent compaction was observed on finished surfaces; some extra compaction was needed at the end of shift when material became slightly drier for the last couple loads.
- Cables were unburied by hand at the end of shift to ensure the cables will not freeze into placement.
- All Troxler measurements indicated acceptable saturation and compaction.

Nightshift

- A total of 18 loads of core mix were placed from Sta. 1+15 to Sta 1+90.
- No core was placed within 30 cm of the exposed GCL liner edge.
- One single bead thermistor was installed around Sta. 1+60, near the center of the poured strip.
- Good compaction was observed.
- All Troxler measurements indicated acceptable saturation and compaction.
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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
SB23	0+83	CL	SB13	0+73	CL			
SB21	1+60	CL	SB24	1+28	D/S			
			SB29	1+68	U/S			
			SB22	1+16	D/S			

- 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-PSD47-20120222 HB12-ND-CORE-PSD48-20120222		HB12-CR-CORE-PSD47-20120222 HB12-ND-CORE-PSD48-20120222
MOISTURE CONTENT SUMMARY		
Collected	Testing In Progress	Completed
HB12-FCP-CORE-MC179-20120222 HB12-FCP-CORE-MC180-20120222 HB12-FCP-CORE-MC181-20120222 HB12-FCP-CORE-MC182-20120222 HB12-ND-CORE-MC183-20120222 HB12-ND-CORE-MC184-20120222 HB12-FCP-CORE-MC185-20120222 HB12-ND-CORE-MC186-20120222 HB12-ND-CORE-MC187-20120222 HB12-FCP-CORE-MC188-20120222 HB12-ND-CORE-MC189-20120222 HB12-FCP-CORE-MC190-20120222 HB12-ND-CORE-MC191-20120222 HB12-FCP-CORE-MC192-20120222 HB12-ND-CORE-MC193-20120222	HB12-FCP-CORE-MC188-20120222 HB12-ND-CORE-MC189-20120222 HB12-FCP-CORE-MC190-20120222 HB12-ND-CORE-MC191-20120222 HB12-FCP-CORE-MC192-20120222 HB12-ND-CORE-MC193-20120222	HB12-FCP-CORE-MC179-20120222 HB12-FCP-CORE-MC180-20120222 HB12-FCP-CORE-MC181-20120222 HB12-FCP-CORE-MC182-20120222 HB12-ND-CORE-MC183-20120222 HB12-ND-CORE-MC184-20120222 HB12-FCP-CORE-MC185-20120222 HB12-ND-CORE-MC186-20120222 HB12-ND-CORE-MC187-20120222
DRILLED CORE		
Collected	Testing In Progress	Completed
HB12-ND-CORE-DC48-20120222 HB12-ND-CORE-DC49-20120222	HB12-ND-CORE-DC48-20120222 HB12-ND-CORE-DC49-20120222	HB12-ND-CORE-DC46-20120221 HB12-ND-CORE-DC47-20120221
DORIS NORTH DIVERSION BERM:		
<ul style="list-style-type: none"> Cat 325 excavator buried the lower geotextile with 100mm minimum crush. Layfield continued placing geotextile with the assistance of Nuna labourers. SRK met with Nuna Site engineer to view the progress at the berm; SRK is satisfied with the cleaning and construction efforts to date. Survey picked up additional as-builts for liner, crush and key-trench. An increase in personnel increased production at the berm today. 		
DORIS SUMPS:		
<ul style="list-style-type: none"> Cat 308 excavator continued excavations at Sump #1. Tundra was bailed into empty mega-bags for removal and storage. Vertical sides with minimal overbreak were noted to a depth of approximately 1.5 feet at 2:00PM. 		
SECONDARY ROAD:		
<ul style="list-style-type: none"> No activity. 		
QUARRY #2:		
<ul style="list-style-type: none"> Crusher continued re-crushing ¾ inch into new FCM; two samples were taken by the crusher operator. The crusher shut down briefly during the morning so the operator could assist with FCP issues. Crusher ran all nightshift. One sample was collected for PSD analysis. 		
GENERAL:		

- Building of the snow road across Doris Lake continues to be built using a snow-cat and water truck.
- The pick-up truck used by SRK was losing power when heading up steep terrain. The mechanics were notified and repairs will be made most likely after the crew change in the morning.

PHOTOS:



Photo 1: Progress photo of North Dam from photo point 1. ~SSE view



Photo 2: Progress photo of North Dam from photo point 3. ~NE view



Photo 3: Snow clearing at Sump #1



Photo 4: Initial excavation at Sump #1 at 11:00



Photo 5: Photo of Sump #1 in the afternoon



Photo 6: No activity at Sump #2



Photo 7: Crush placed atop the lower geotextile at the Doris North Diversion Berm



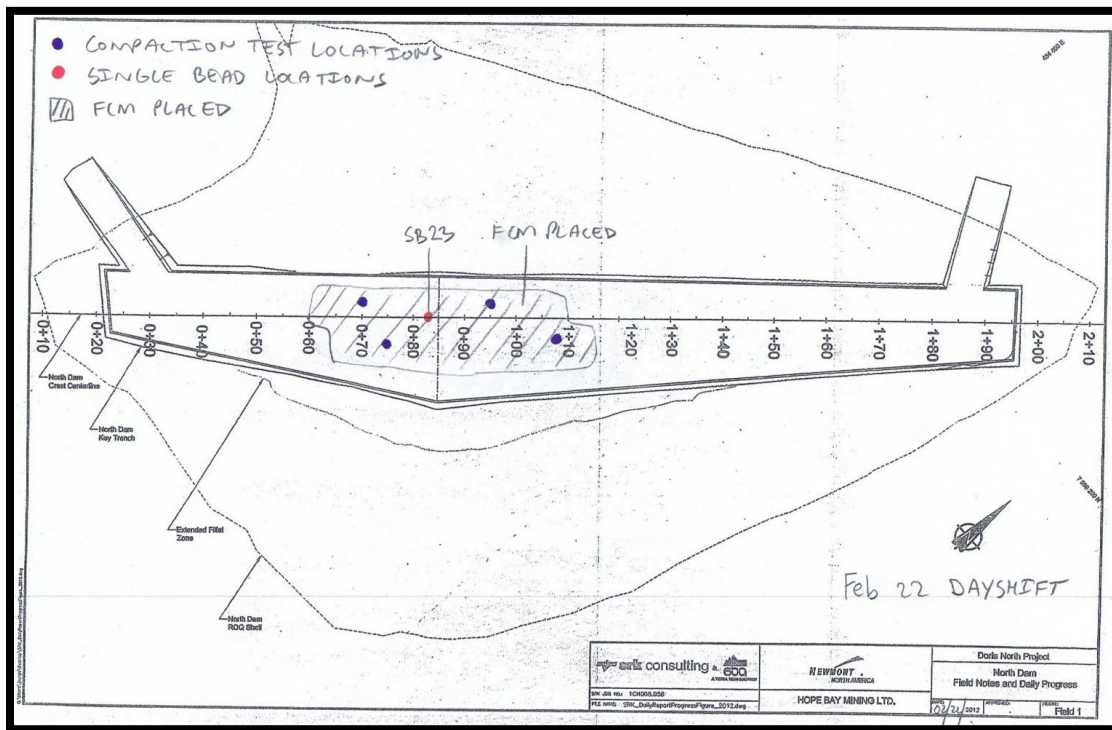
Photo 8: Layfield gathering atop the geotextile under liner



Photo 9: Photo looking west from photo point 1 across the Doris Lake snow road



Photo 10: Placement at the north dam; photo taken at 14:00

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