

DAILY REPORT #45 – DORIS NORTH INFRASTRUCTURE/ NORTH DAM

Prepared by:	Murray McGregor Iozsef Miskolczi	Date:	2012.02.19
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 Yes
	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 (Day Shift) Jordan Gunter – Foreman (Night Shift) Kevin Oakes – Project Engineer Kevin Kozdrowski – Foreman Kyle Kuntz – Project Engineer Margaret Caley – Surveyor (Night Shift) 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/-45	12PM: -31/-39	5 PM: -32/--	12 AM: -33/--
Precipitation (mm)	Rain: None		Snow: None	
Conditions	Day Shift: Sunny and breezy throughout the day.		Night Shift: Clear sky. Calm to no wind.	
Daily norms (°C)	24 hour high: -29.5		24 hour low: -33.5	

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, Sterling Kelly], JDS [Doug Fielding, Mark Valeriote, Ishan Fechter], Nuna [Doug Haverland, Kyle Kuntz] and SRK [Murray McGregor]

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 stated there are more test results in. • SRK reported freeze back on the lift placed on the 17th. • SRK inspected the Doris North Diversion Berm yesterday; the slope was almost ready for liner installation. • Nuna stated they will be placing at the dam today. •
Water Management Structures	<ul style="list-style-type: none"> • SRK inspected the Doris North Diversion Berm yesterday; the slope was almost ready for liner installation. • Key-trench compaction with the plate tamper has begun. • Nuna plans to have Layfield installing geotextile; crush will follow after installation. • Nuna stated access is ready for one drill to move to Sump #1.
General	<ul style="list-style-type: none"> • SRK dropped their generator off at the mechanics; they are hoping to get it back soon for coring. • JDS inquired about the crusher; Nuna plans to run the crusher today. • Nuna indicated that both drills are operating at this time.

SURVEY:

Required	•
Data Received	<ul style="list-style-type: none"> • Survey of Core placed on Feb. 18 • Survey of ROQ placed on Feb. 16 • Survey of core placed on Feb. 17
Outstanding	•
Upcoming	<ul style="list-style-type: none"> • Survey of FCM after placement (ongoing). • Survey of Doris North Diversion berm excavation.

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

- No activity.

Frozen Core Plant*Dayshift*

- The plant had a smooth start-up around 11:00AM; material was ready for placement within the first 10 minutes.
- Temperatures at the chute averaged 37°C.
- Only half a truck to reject at start-up and again at shut down; sixteen trucks total were sent to the dam.

Nightshift

- No activity, no FCM was produced.
- Core material was hauled to the FCP stockpile.

Dam Shell*Dayshift*

- No activity.

Nightshift

- Transition material was hauled from the crusher and stockpiled by the FCP.

Key Trench/ Central Core*Dayshift*

- An area wrapping around yesterday's placement was cleared of debris; some seams of dust required extra attention where lift edges acted as traps.
- SRK approved the surface for immediate placement after dust and excessive snow and ice was removed from 0+90 to 1+90.
- Area of placement near the north end was tapered to approx. 5m wide area 200mm high.
- Moisture was higher than yesterday's placement and resulted in bleeding out the top surface
- Moisture was dialed back a couple times throughout the day; the last few loads stopped bleeding.
- Troxler results for compaction and saturation consistently met specification.

Nightshift

- No FCM placement.
- Clearing the upstream edge of the 2011 frozen core continued throughout the night shift. Two heating tents with Frost Fighters were set up and the melted water and ice slush was periodically cleaned up by workers.
- Freeze-back of the previously placed core was monitored throughout the night. Freeze-back of the core material placed on Saturday (Feb. 18) was confirmed by 3AM. Core material placed on day shift was about +5 °C at the end of the night shift.
- Two core samples were collected, one from the core placed on Feb. 18, and a second one from Test Pad#5 placed on Feb. 16.

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
SB24	1+28	D/S	SB13	0+73	Center	SB12	0+60	Center
			SB7	1+72	U/S	SB1	0+90	D/S
			SB27	1+35	Center	SB5	1+10	Center
						SB4	1+40	Center

- 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-PSD39-20120219	HB12-CR-CORE-PSD41-20120219	HB12-CR-CORE-PSD39-20120219
HB12-CR-CORE-PSD40-20120219		HB12-CR-CORE-PSD40-20120219
HB12-CR-CORE-PSD41-20120219		

MOISTURE CONTENT SUMMARY

Collected	Testing In Progress	Completed
HB12-CR-CORE-MC152-QA-20120218		HB12-CR-CORE-MC152-QA-20120218
HB12-CR-CORE-MC153-QA-20120219		HB12-CR-CORE-MC153-QA-20120219
HB12-FCP-CORE-MC154-QA-20120219		HB12-FCP-CORE-MC154-QA-20120219
HB12-FCP-CORE-MC155-QA-20120219		HB12-FCP-CORE-MC155-QA-20120219
HB12-ND-CORE-MC156-QA-20120219		HB12-ND-CORE-MC156-QA-20120219
HB12-ND-CORE-MC157-QA-20120219		HB12-ND-CORE-MC157-QA-20120219
HB12-ND-CORE-MC158-QA-20120219		HB12-ND-CORE-MC158-QA-20120219
HB12-ND-CORE-MC159-QA-20120219		HB12-ND-CORE-MC159-QA-20120219
HB12-ND-CORE-MC160-QA-20120219		HB12-ND-CORE-MC160-QA-20120219
HB12-ND-CORE-MC161-QA-20120219		HB12-ND-CORE-MC161-QA-20120219

DRILLED CORE

Collected	Testing In Progress	Completed
HB12-ND-CORE-DC41-20120219		HB12-ND-CORE-DC41-20120219
HB12-TEST-CORE-DC42-20120219		
HB12-ND-CORE-DC43-20120219		

DORIS NORTH DIVERSION BERM:

- Layfield placed and welded non-woven geotextile from the east wall to approx. chainage 5+80.
- Cat 330 filled ¾ inch crush on the sloped section of the installed liner; blasted rock was removed where Westarc drilled yesterday.
- Labourers cleaned snow and loose debris from the slope before liner placement.
- Cat 345 Excavator completed some mucking and snow clearing.
- Survey was present throughout Diversion Berm activities.

SECONDARY ROAD:

- No activity.

QUARRY #2:

- Crusher continued re-crushing $\frac{3}{4}$ inch into new FCM.
- Snow was cleared for most of the night shift from the toe of the wall to be blasted next.

GENERAL:

- The SRK/EBA lab received water from one of the water trucks.
- Maintenance and minor repairs were performed on the core drilling machine.

PHOTOS:



Photo 4: Hoarding tents set up on liner exposure. Fewer tents are currently being used with the same number of frost fighters.



Photo 5: Excavator spreading a thinner lift towards the northeast end of the dam.



Photo 9: Foreground: Labourers cleaning snow prior to liner placement.
Background: Layfield installing non-woven geotextile.

FIGURES:

Figure 1 – North Dam Progress – February 19th Dayshift

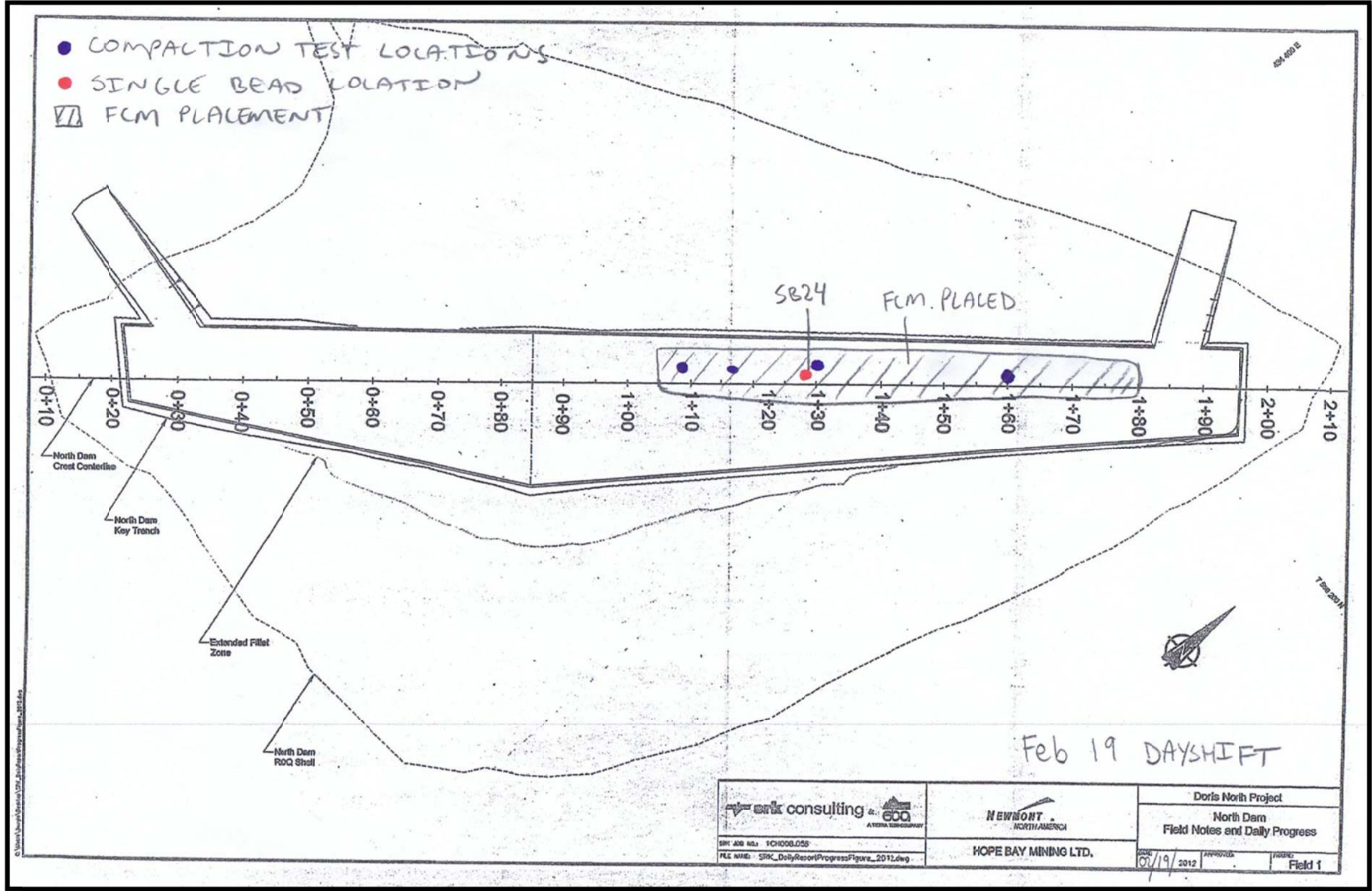


Figure 2 – North Dam Progress – February 19th Nightshift

