

DAILY REPORT #44 – DORIS NORTH INFRASTRUCTURE/ NORTH DAM

Prepared by:	Murray McGregor Iozsef Miskolczi	Date:	2012.02.18
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 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: -23/-34	12PM: -24/-38	5 PM: -29/-41	12 AM: n/a
Precipitation (mm)	Rain: None		Snow: None	
Conditions	Day Shift: Moderate wind. Blowing snow. Clear all day.		Night Shift: Cold. Clear sky. Calm to moderate wind. Blowing snow.	
Daily norms (°C)	24 hour high: -19.2		24 hour low: -32.4	

HEALTH, SAFETY AND ENVIRONMENT

- Ernest Palczewski attended the weekly safety 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], and SRK [Murray McGregor]

Topic	Status
Health and Safety and Environment	<ul style="list-style-type: none"> Safety stated there are 12-17 incidents in recent days; safety encourages everyone to stay vigilant in their work areas. JDS suggested personal meetings with everyone who has an incident; this technique was used to reduce safety incidents on other project sites. Nuna was running late with their safety meeting; no Nuna personnel attended the daily ECPM meeting.
North Dam	<ul style="list-style-type: none"> SRK stated there was another placement of FCM near the center of the dam; field indicators suggested good saturation and compaction. SRK stated that saturation test data from trial FCM will be available tomorrow morning. SRK reported additional cleaning along the liner tie-in.
Water Management Structures	<ul style="list-style-type: none"> SRK stated the key-trench of the Doris North Diversion Berm has been brought up to grade; compaction has not been observed yet.

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 15 minutes.

- Temperature was not strictly monitored or changed despite being hotter than normal for production placement; the reason was that this would be used for a small trial placement focusing on moisture content, not freeze back optimization.
- Temperatures at the chute averaged 37°C.

Nightshift

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

Dam Shell

Dayshift

- No activity.

Nightshift

- Some snow mixed in with ROQ was excavated from the ROQ face on the downstream side of the key-trench and stockpiled near the downstream crest in preparation for placement of transition material. Only a small portion was done around Sta. 1+80, and then the task was abandoned being low on the priority list.

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.
- Placement started from 1+25 working south toward 0+60.
- Water formed a sheen over most placed areas; Troxler results for compaction and saturation consistently met specification.

Nightshift

- No FCM placement.
- The accumulated snow was cleared off the upstream edge of the key-trench from sta. 1+20 to the north-east end. Some of the ice and remaining 5/8 crush was removed with the cleaning bucket of eth CAT 335 excavator.
- The cleaned up area was checked for grades with support from the surveyor. It was found that the entire area is essentially at grade, except for two small portions where some extra 5/8 cleaning was required. The area could be approved for core placement once the ice is cleared.
- The heating tents and three Frost Fighters were set up over the cleared area from sta. 1+20 to 1+75 to melt the accumulated ice. A Shop Vac was brought to site to allow the removal of the melt water, to prevent formation of new ice. This method was selected due to concerns of ripping the liner if breaking the ice with the excavator was attempted.
- Collection of core samples could not be performed due to malfunctioning generator. The generator was taken to the mechanical shop for repairs.

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
SB27	0+73	Center	SB13	1+35	Center			
			SB7	1+72	U/S			
			SB4	1+40	Center			

			SB5	1+10	Center			
			SB12	0+60	Center			
			SB1	0+90	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-PSD37-20120218		HB12-CR-CORE-PSD37-20120218
HB12-ND-CORE-PSD38-20120218		HB12-ND-CORE-PSD38-20120218

MOISTURE CONTENT SUMMARY

Collected	Testing In Progress	Completed
HB12-CR-CORE-MC142-QA-20120218		HB12-CR-CORE-MC142-QA-20120218
HB12-FCP-CORE-MC143-QA-20120218		HB12-FCP-CORE-MC143-QA-20120218
HB12-FCP-CORE-MC144-QA-20120218		HB12-FCP-CORE-MC144-QA-20120218
HB12-FCP-CORE-MC145-QA-20120218		HB12-FCP-CORE-MC145-QA-20120218
HB12-FCP-CORE-MC146-QA-20120218		HB12-FCP-CORE-MC146-QA-20120218
HB12-ND-CORE-MC147-QA-20120218		HB12-ND-CORE-MC147-QA-20120218
HB12-ND-CORE-MC148-QA-20120218		HB12-ND-CORE-MC148-QA-20120218
HB12-ND-CORE-MC149-QA-20120218		HB12-ND-CORE-MC149-QA-20120218
HB12-ND-CORE-MC150-QA-20120218		HB12-ND-CORE-MC150-QA-20120218
HB12-ND-CORE-MC151-QA-20120218		HB12-ND-CORE-MC151-QA-20120218

DRILLED CORE

Collected	Testing In Progress	Completed
None		

DORIS NORTH CAMP:

- Cat 345 Excavator completed some mucking and snow clearing in the morning and started sloping the key-trench in the afternoon.
- Westarc performed some additional honey-combing and chipping using the drill.
- Labourers used the plate tamper to compact old FCM in the Doris North Diversion Berm key-trench.
- Survey was present throughout Diversion Berm activities.
- SRK inspected slopes for the first layer of non-woven geotextile.

SECONDARY ROAD:

- No activity.

QUARRY #2:

- Crusher continued re-crushing ¾ inch into new FCM.

GENERAL:

- Water was being spread by the water truck on Doris Lake, to thicken the ice in preparation for haul truck access to the North Dam over the lake.

PHOTOS:



Photo 1: Progress photo of North Dam from photo point 3. ~NE view.



Photo 2: Drill honey combing bedrock for removal at the Doris North Diversion Berm.



Photo 3: East end of the Doris North Diversion Berm looking east. Labourers raking and compacting the key-trench with a plate tamper.



Photo 4: Bentonite chips staged near the diversion berm in preparation for liner key-in.



Photo 5: Close-up of the Doris North Diversion Berm key-trench. Floor has been kicked loose to illustrate presence of fines.



Photo 6: Skidsteer equipped with broom attachment cleaning loose gravel from frozen core area.



Photo 7: Vibratory compactor packing today's lift of FCM. Note the operator's close attention to not drive on the unfrozen material in the foreground.



Photo 8: Additional cleaning of the frozen core material at night.



Photo 9: Labourers cleaning next to the GCL. The excavator peeled back loose FCM.



Photo 10: Hoarding tents thawing material above the GCL.

FIGURES:

Figure 1 – North Dam Progress – February 18th Dayshift

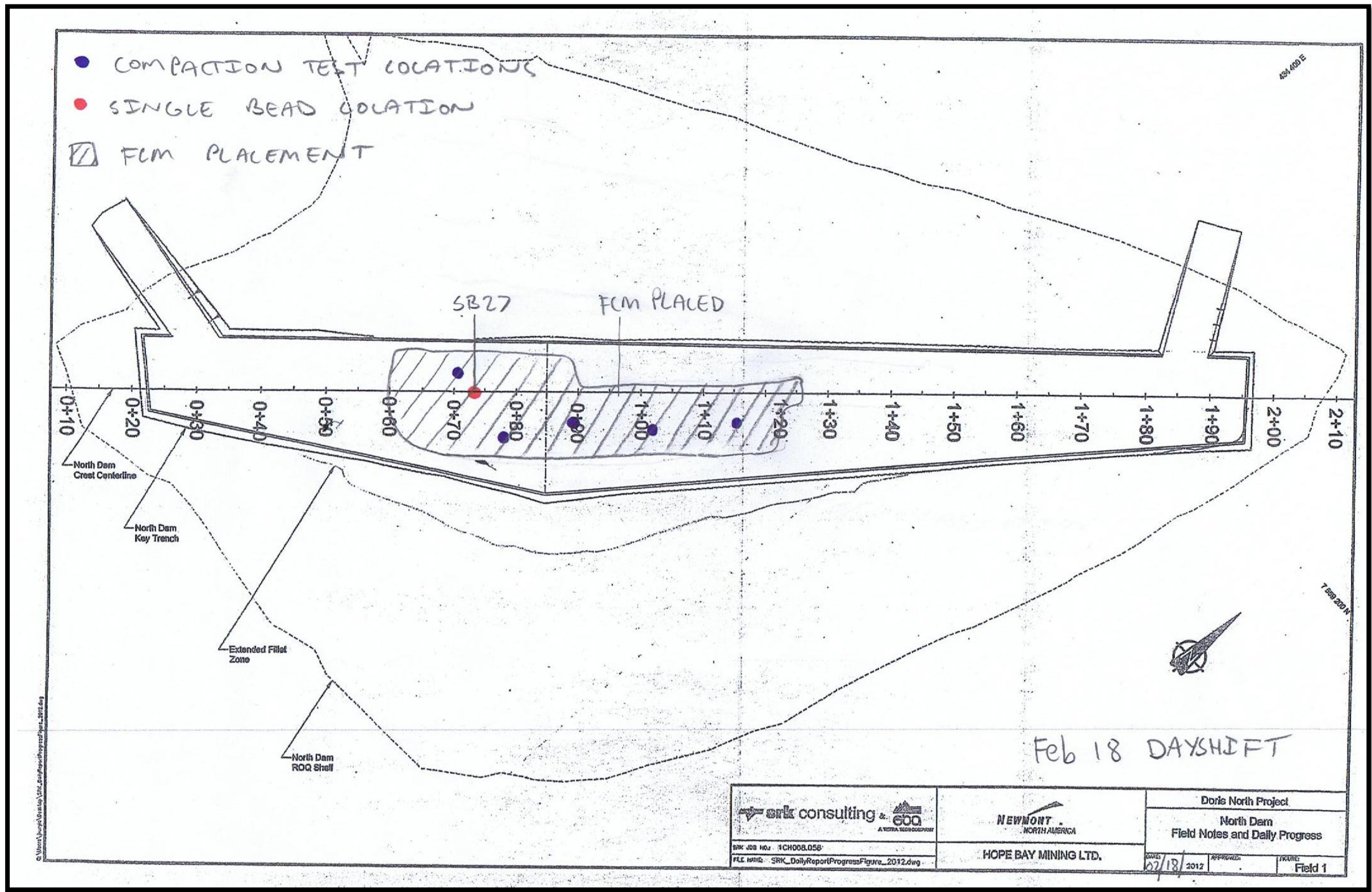


Figure 2 – North Dam Progress – February 18th Nightshift

