

DAILY REPORT #40 – DORIS NORTH INFRASTRUCTURE/ NORTH DAM

Prepared by:	Murray McGregor Iozsef Miskolczi	Date:	2012.02.14
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 No Yes Yes 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	Ben Vostermans - Foreman Bradford Watkin – QC Manager Doug Haverland – Area Superintendent Gary Sodhi – Field Engineer Georges Cornelissen – Survey Manager Jeff Roberts - Surveyor Jim Cardinal – 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	Yes No Yes Yes No Yes Yes No Yes Yes Yes Yes No No No Yes 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: -17/-23	12PM: -17/-24	5 PM: -16/-24	12 AM: -17/-25
Precipitation (mm)	Rain: None		Snow: None	
Conditions	Day Shift: Warm, cloudy, mild winds.		Night Shift: Calm wind. Overcast.	
Daily norms (°C)	24 hour high: -15.8		24 hour low: -17.8	

HEALTH, SAFETY AND ENVIRONMENT

- Iozsef Miskolczi and Thomas Bradshaw attended the Nuna evening 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 ADCO, Newmont [Michelle Tanquay, Sterling Kelly], Nuna [Doug Haverland, Kyle Kuntz], JDS [Jerry Graham, Mark Valeriotte, Lloyd Jackson, Ishan Fechter], and SRK [Murray McGregor, Iozsef Miskolczi]

Topic	Status
Health and Safety and Environment	<ul style="list-style-type: none"> • Testing circuits for the generator • JDS requests clarity on the operator who had his hand smashed in a seacan door; safety also requires clarity • ADCO inquired about extra radio channels that are broadcast free for critical lifts; JDS stated they can use secondary radios to monitor underground channels that do not receive broadcasts. • ESR inquired if the snow pile on tail lake is blocking the intake position; JDS and Nuna stated that the intake position will be accessible when needed.
North Dam	<ul style="list-style-type: none"> • SRK stated there was a lift of core placed yesterday and more liner exposure was completed last night. • Sieve results are available for yesterday's crushing. • JDS stated that the freshly crushed FCM was getting finer towards the end of the day.
Water Management Structures	<ul style="list-style-type: none"> • SRK inquired when Layfield will be arriving for the liner install; Nuna stated they will be ready as soon as Saturday. • Nuna stated the diversion berm has been re-routed. • Electrical has cleared the area around sump #1; Nuna stated they can move the drill in the next couple days. • JDS inquired about the first sump install; Nuna will likely need crane support to install it.
General	<ul style="list-style-type: none"> • JDS inquired about the Doris Bridge thermistors; Nuna will be providing them.

SURVEY:

Required	<ul style="list-style-type: none"> • As-built survey of Transition placed Feb 11, 2012 • As-built survey of ROQ placed Feb 11, 2012 • As-built survey of Transition placed Feb 12, 2012 • As-built survey of ROQ placed Feb 12, 2012 • As-built survey of Transition placed Feb 13, 2012 • As-built survey of ROQ placed Feb 13, 2012
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Data Received	<ul style="list-style-type: none"> As-built survey of FCM placed Feb 11, 12, and 13, 2012
Outstanding	<ul style="list-style-type: none">
Upcoming	<ul style="list-style-type: none"> Survey of FCM after placement (on going). Survey of Doris North Diversion berm excavation. Survey of exposed GCL surface

NORTH DAM/FROZEN CORE PLANT PAD:

Multi-Bead Thermistors

- The multibead thermistors within the key trench were read. All seem to be working fine, other than one bead of ND-HTS-060-28.8.
- Three thermistor strings were untangled and re-coiled to allow for easier handling.
- Most aluminum tags fastened to the thermistor strings at time of installation are missing, due to rough handling.
- Thermistor strings ND-VTS-040-KT and ND-HTS-175-32.5 have broken connectors, but valid readings were still possible
- Thermistor strings ND-VTS-060-KT, ND-HTS-085-25.2 had missing caps; new caps will be installed and tied to the connector with twine.
- Excavation of the thermistor buried in snow (ND-VTS-085-DS) was attempted on night shift. The snow was excavated to grade near the post marking the location of the thermistor, but the thermistor was not found. Excavation will continue during the upcoming shifts.

Frozen Core Plant

Dayshift

- The plant had a smooth start-up and material was ready for placement within the first 15 minutes.
- Soon after start-up there was a mechanical fault with the burner fan; repairs lasted until the end of shift.

Nightshift

- No activity, no FCM was produced.
- No frozen core plant operator was available on nightshift.

Dam Shell

Dayshift

- Cat 330 excavator cleaned snow on the downstream side of the dam.

Nightshift

- Snow was excavated and hauled away from the downstream side of the dam shell, around sta. 1+20. ROQ from Quarry #2 was hauled in and placed on the downstream side.
- Transition material was stockpiled at the Frozen Core Plant.

Key Trench/ Central Core

Dayshift

- Some sweeping was completed using the skid steer, until a breakdown occurred.
- Minor remnants of loose material were removed with shovels and brooms.
- Some labourers removed more material above the HDPE liner.
- No placement was completed today.

Nightshift

- No FCM placement.
- Survey marked the extent of the frozen core placed last year in support of excavating loose 5/8 crush placed as protection over the GCL liner. The CAT 330 excavator was used with a spotter to ensure the GCL was not ripped during excavation.

- The excavated area was cleaned with compressed air. A few areas require further cleaning to remove all crush.
- Removal of the frozen 5/8 crush from above the HDPE liner continued. Holes in the GCL caused by the jackhammer punching through the frozen crush and the HDPE liner were noted.
- The single bead thermistors were monitored throughout the night for freeze-back. At the end of the night shift SB5 was indicating that freeze-back was achieved, while SB12 was measuring around -1°C.

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
			SB4	1+40	Center			
			SB5	1+10	Center			
			SB12	0+60	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-PSD30-20120214		HB12-ND-CORE-PSD25-20120213
HB12-CR-CORE-PSD31-20120214		HB12-CR-CORE-PSD30-20120214
HB12-CR-CORE-PSD32-20120214		HB12-CR-CORE-PSD31-20120214
HB12-CR-CORE-PSD33-20120214		HB12-CR-CORE-PSD32-20120214
		HB12-CR-CORE-PSD33-20120214

MOISTURE CONTENT SUMMARY

Collected	Testing In Progress	Completed
HB12-CR-CORE-MC105-QA-20120214		HB12-FCP-CORE-MC95-QA-20120213
HB12-CR-CORE-MC106-QA-20120214		HB12-FCP-CORE-MC96-QA-20120213
HB12-CR-CORE-MC107-QA-20120214		HB12-FCP-CORE-MC97-QA-20120213
HB12-CR-CORE-MC108-QA-20120214		HB12-FCP-CORE-MC98-QA-20120213
		HB12-FCP-CORE-MC99-QA-20120213
		HB12-FCP-CORE-MC100-QA-20120213
		HB12-CR-CORE-MC101-QA-20120213
		HB12-CR-CORE-MC102-QA-20120213
		HB12-CR-CORE-MC103-QA-20120213
		HB12-CR-CORE-MC104-QA-20120213
		HB12-CR-CORE-MC105-QA-20120214
		HB12-CR-CORE-MC106-QA-20120214
		HB12-CR-CORE-MC107-QA-20120214
		HB12-CR-CORE-MC108-QA-20120214

DRILLED CORE

Collected	Testing In Progress	Completed
HB12-ND-CORE-DC35-20120214	HB12-ND-CORE-DC35-20120214	

DORIS NORTH CAMP:

- Cat 345 Excavator completed some mucking and snow clearing..

- Westarc performed some additional drilling for spot blasting.

SECONDARY ROAD:

- No activity.

QUARRY #2:

- Crusher operator started the crusher after the FCP shut down.
- Material was produced from noon until shift end.
- Four samples were taken off the end of the belt using a plywood box held up by the loader.
- All soil in the sampling box is loaded into pails and reconstituted in the EBA soils lab for sieve and moisture tests.

GENERAL:

- SRK and EBA obtained additional equipment to assist with lab testing and core drilling.

PHOTOS:



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



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



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



Photo 4: Drilled Core HB12-ND-CORE-DC35-20120214. Some degradation due to spinning gravel.



Photo 5: Reconstituting samples in the lab and expediting sieve tests. Some items were moved into the photo for illustrative purposes.



Photo 7: Cleanup of the frozen core placed on Feb. 12. On the left side of the photo laborers are removing 5/8 crush from the GCL liner.



Photo 6: Laborers breaking up the frozen 5/8 crush using a jack hammer.

FIGURES:

Figure 1 – North Dam Progress – February 13th Dayshift

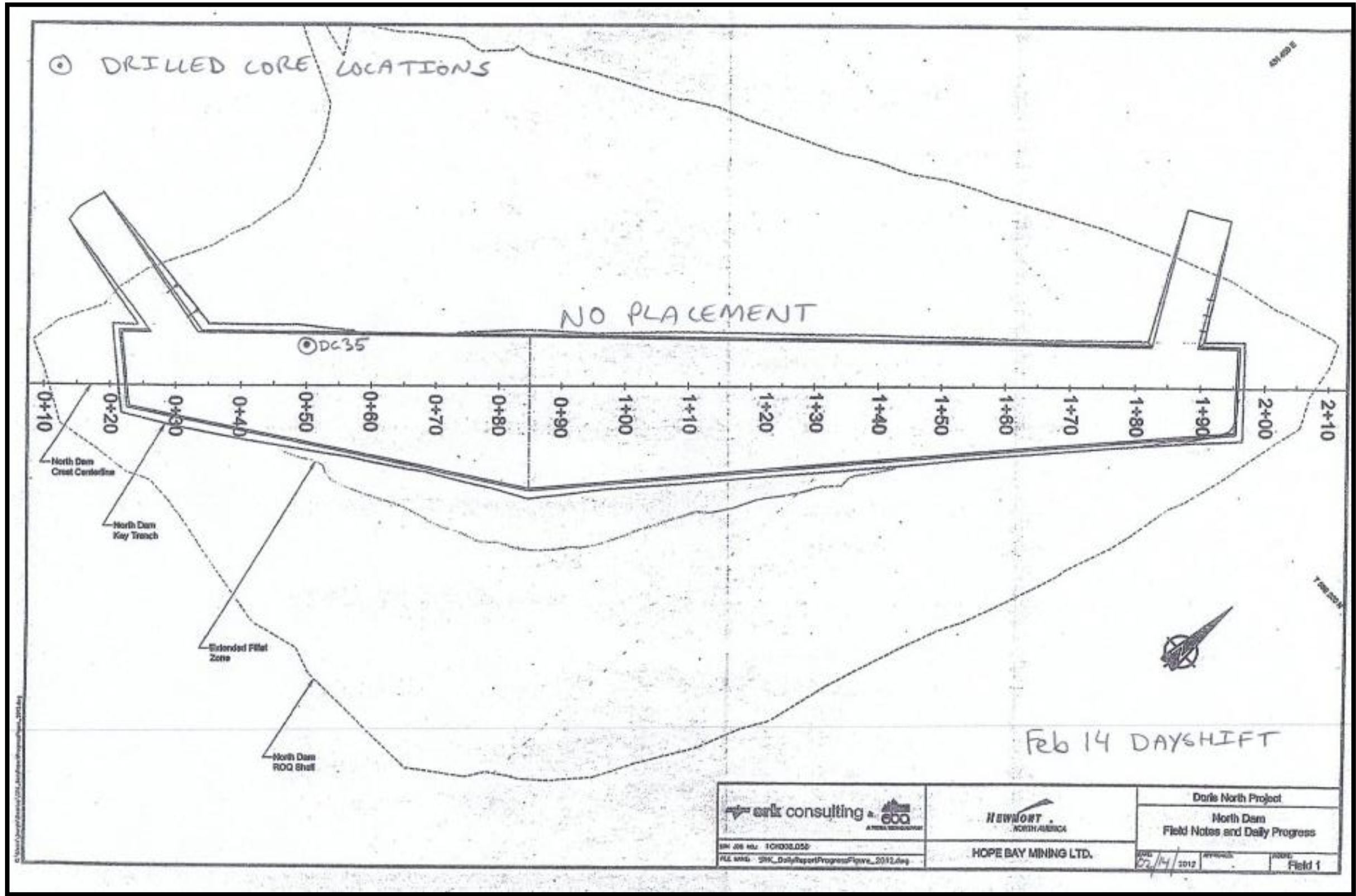


Figure 2 – North Dam Progress – February 13th Nightshift

