

DAILY REPORT #35 – DORIS NORTH INFRASTRUCTURE/ NORTH DAM

Prepared by:	Murray McGregor Megan Miller	Date:	2012.02.09
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 Yes No 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 In Yes Yes 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 Yes No Yes No
	EBA Engineering Consultants Ltd.	Jeff Orr – Project Manager Jennifer Stirling – Geologist Thomas Bradshaw – Junior Engineer Ernest Palczewski – Geologist	No Out 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 No Yes No Yes In Yes Yes No In No Out No Yes Yes No Out
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:-29.2/-44	12PM: -25.9/36	6 PM: -28.6/-29	12 AM: -26.3/-26
Precipitation (mm)	Rain: None		Snow: None	
Conditions	Day Shift: Calm, warm and sunny. Mild winds in the afternoon.		Night Shift: Clear, calm.	
Daily norms (°C)	24 hour high: -23.4		24 hour low: -29.9	

HEALTH, SAFETY AND ENVIRONMENT

- Megan Miller and Thomas Bradshaw attended the nightshift Nuna toolbox meeting. Doors catching in the wind and slamming was the safety topic.
- 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 [Jill Turk], Nuna [Nick Stoneberger, Simon Chipper, Kevin Oakes], JDS [Jerry Graham, Mark Valeriotte, Kevin Whieldon, Lloyd Jackson], and SRK [Megan Miller, Murray McGregor]

Topic	Status
Health and Safety and Environment	<ul style="list-style-type: none"> • No new safety incidents; the flash arc incident has been upgraded to a level five incident; this means there was potential for serious injury or death; interviews will follow as part of the investigation. • ESR has nothing new to report. • Nuna inquired when the ice road will be approved to reduce the hauling distance to the north dam; ESR will check if permitting will be completed soon.
North Dam	<ul style="list-style-type: none"> • SRK stated that FCM placement met field specifications for all work yesterday and last night. • SRK nightshift reported that the next thermistor cable at chainage 0+60 has been mostly installed, with the last two beads uncovered at this time; plenty of flagging and delineators were used to mark the exposed cable's end. • Nuna stated that recent placement was roughly 400 m³. • Nuna stated there will be no FCM placement today.
Water Management Structures	<ul style="list-style-type: none"> • Nuna blasted roughly 30 meters yesterday and will be continuing today. • JDS inquired how many days of blasting remain. Nuna suspects there will be 2 to 3 days of blasting. • Blasting is ongoing throughout the day with no particular set times
General	<ul style="list-style-type: none"> • Nuna stated they will be crushing today; there is an additional crusher/FCP operator coming on the flight today. • Nuna stated there will be a small gap in production during crew change today.

SURVEY:

Required	<ul style="list-style-type: none"> As-built survey of FCM placed Feb 8, 2012 As-built surfaces of FCM placed Jan 15 to Jan 22th in AutoCAD of .xml format.
Data Received	<ul style="list-style-type: none"> None
Outstanding	<ul style="list-style-type: none"> As-built survey of FCM placed Feb 6, 2012 As-built survey of ROQ placed Feb 5, 2012 As-built survey of Transition Material placed Feb 5, 2012 As-built survey of ROQ placed Feb 7, 2012
Upcoming	<ul style="list-style-type: none"> Survey of FCM after placement (on going). Survey of Doris North Diversion berm excavation.

NORTH DAM/FROZEN CORE PLANT PAD:

- Multi-bead thermistor readings were taken all thermistors located within the North Dam.
 - The plastic on the connector around the pins for ND-HTS-175-32.2 is broken; reasonable readings were still obtained for this thermistor.
 - One bead of ND-HTS-060-28.8 is not working.
 - All other read thermistors are in working order.
- The next horizontal thermistor for station 1+30 was tested and prepped for installation. A new location for this thermistor has been added to the RST readout box.

Frozen Core Plant*Dayshift*

- No activity.

Nightshift

- No activity, no FCM was produced.

Dam Shell*Dayshift*

- Cat 330 Excavator peeled back 5/8 clear to within a height of 100 mm of the HDPE on the north end of the upstream portion of the dam.
- Transition material was added along the downstream side of the dam from chainage 0+60 to 1+40; no compaction was observed for this placement.

Nightshift

- The transition material placed on dayshift was compacted on the nightshift.
- Snow was cleaned from the inner edge of ROQ on the downstream side.
- ROQ material was excavated from the hinge area of the upstream slope near 0+90 and placed on the downstream slope near station 1+10.

Key Trench/ Central Core*Dayshift*

- No activity.

Nightshift

- The previously placed core material from approximately station 0+55 to 1+20 was cleaned in anticipation of core placement on dayshift.
 - The CAT 330 excavator scraped up loose material and broken crust from the surface that resulted from the packer running onto core material once a crust had formed.
 - Labourers used the air compressor to 'dental clean' the surface. The skid steer with broom attachment was not available as it was down with mechanical issues.
- A drilled core sample was collected from the lift placed 2012/02/08 near 1+00 centerline.
 - Four attempts were made at coring before a useable core could be obtained (see photos below). It is thought that the unsuitable cores were the result of insufficient glycol flow and/or operator

error. At least one of the cores was noted to be slightly steaming. The material in this area was at ~-14°C when the core was taken.

- An additional core will be taken on dayshift to check.
- The shop-vac used to clean up after coring is no longer functioning. Spill pads and snow were used to clean up after coring. All dirty snow was scraped up and put in a bucket to be disposed of later.

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
			SB10	1+00	Center	SB3	0+77	Center
			SB6	0+58	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-ND-CORE-PSD22-QA-20120209	HB12-FCP-CORE-PSD21-20120208

MOISTURE CONTENT SUMMARY

Collected	Testing In Progress	Completed
		HB12-FCP-CORE-MC64-QA-201200208
		HB12-FCP-CORE-MC65-QA-201200208
		HB12-FCP-CORE-MC66-QA-201200208
		HB12-FCP-CORE-MC67-QA-201200208
		HB12-FCP-CORE-MC68-QA-201200208
		HB12-FCP-CORE-MC69-QA-201200208
		HB12-FCP-CORE-MC70-QA-201200208
		HB12-FCP-CORE-MC71-QA-201200208
		HB12-FCP-CORE-MC72-QA-201200208

DRILLED CORE

Collected	Testing In Progress	Completed
HB12-ND-CORE-DC29-QA-20120209	HB12-ND-CORE-DC29-QA-20120209	HB12-ND-CORE-DC26-QA-20120208
		HB12-ND-CORE-DC27-QA-20120208
		HB12-ND-CORE-DC28-QA-20120208

DORIS NORTH CAMP:

- Two small blasts at the diversion berm key-trench at 12:30 PM and 4:00 PM. Clean-up with Cat 330 excavator continued.
- The CAT 345 excavator removed snow from the diversion berm area on the nightshift. This snow was hauled to the overburden dump with CAT 730 haul trucks.
- Some overburden material was also excavated from the key trench on nightshift.

SECONDARY ROAD:

- No activity.

QUARRY #2:

- The crusher was not running on the day or nightshift.
- For a short portion of the nightshift the CAT 285 excavator broke up the reject FCM piled by the crusher.

GENERAL:

- Two foremen work working the night shift. Once foreman was in charge of the dam and the other was working on the diversion berm.
- The size of the nightshift crew has increased significantly.

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 6: Transition material placed along the downstream side of the dam. Thermistor cables in foreground buried in a blanket of crush.



Photo 7: Cat 330 excavator tamping $\frac{3}{4}$ crush on top of thermistor cables at chainage 1+30.



Photo 8: First attempt at core sampling. The core crumbled as it was removed from the drill bit.



Photo 9: Second attempt at coring, insufficient glycol was used when coring this core.



Photo 10: Drilled core HB12-ND-CORE-DC29-20120209

Figure 2 – North Dam Progress – February 9th Nightshift

