

DAILY REPORT #33 – DORIS NORTH INFRASTRUCTURE/ NORTH DAM

Prepared by:	Murray McGregor / Megan Miller	Date:	2012.02.07
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 No 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 Yes No 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	No No No Yes Yes Yes No Yes Yes No No No Yes Yes Yes Yes No Yes
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)	8AM:-28.7/-43	12PM: -29.8/-39	6 PM: -31/-47	12 AM: -30.1/-49
Precipitation (mm)	Rain: None		Snow: None	
Conditions	Day Shift: Cold, moderate winds with blowing snow.		Night Shift: Moderate cold wind, blowing snow.	
Daily norms (°C)	24 hour high: -28.7		24 hour low: -31.6	

HEALTH, SAFETY AND ENVIRONMENT

- Megan Miller attended the nightshift Nuna toolbox meeting, which was longer than usual as incidents from the last week were reviewed.
- Thomas Bradshaw attended a portion of the site orientation. He will require additional orientation tomorrow.
- Ernest Palczewski and Thomas Bradshaw attended the dayshift Nuna toolbox meeting.

COMMENTS, CORRESPONDENCE AND ACTIVITIES**DAILY MEETING WITH NUNA AND HBML TEAM:**

- The daily meeting was attended by ADCO, Nuna [Nick Stoneberger, Simon Chipper], JDS [Jerry Graham, Mark Valeriote, Kevin Whieldon, Lloyd Jackson], SRK [Megan Miller, Murray McGregor]

Topic	Status
Health and Safety and Environment	<ul style="list-style-type: none"> • No safety representative. • One of the fuel trucks hit some steps; the steps were bent slightly • JDS mentioned that safety stand-downs should not be done for trivial events; Nuna agreed and will look into specific stand-down requirements in order to avoid unnecessary lost time
North Dam	<ul style="list-style-type: none"> • SRK dayshift reported that the FCM placement was good • SRK nightshift stated there were three trucks of over-wetted FCM; it was suspected that changing feed from original FCM stockpile to re-crush was a factor • SRK stated it would be beneficial to be notified when the feed changes so they can be present for ongoing tests in the FCP • JDS inquired about placement timing; Nuna stated they will be ready to place next dayshift
Water Management Structures	<ul style="list-style-type: none"> • Nuna will be working on the Doris North Diversion Berm today • Cables at Sump #1 have been moved; Nuna stated they will be ready to drill once an electrician has confirmed that all cables have been removed
General	<ul style="list-style-type: none"> • The crusher had an indicator failure; Nuna stated they are getting a part to remedy the issue • The FCP has a broken fuel pump; Nuna plans to fix this as soon as possible

SURVEY:

Required	<ul style="list-style-type: none"> • As-built survey of FCM placed Feb 6, 2012 • As-built survey of Transition Material placed Feb 5, 2012 • As-built survey of ROQ placed Feb 5, 2012 • As-built survey of ROQ placed Feb 7, 2012 • As-built surfaces of FCM placed Jan 15 to Jan 22th in AutoCAD of .xml format.
Data Received	• None
Outstanding	• None

Upcoming

- Survey of FCM after placement (on going).
- Survey of Doris North Diversion berm excavation.

NORTH DAM/FROZEN CORE PLANT PAD:

- Six multibead thermistor strings were read near the end of nightshift; the readout box froze before any more measurements could be taken.

Frozen Core Plant*Dayshift*

- No activity in the morning; waiting for freeze back and repairs.
- Electricians worked on the burner from noon until shift end; at the end of shift repairs were complete.

Nightshift

- No FCM production occurred.

Dam Shell*Dayshift*

- ROQ was pulled back and loaded above the GCL upstream of the dam and hauled across to the downstream side.
- ROQ was placed next to the transition along the downstream side from chainage 0+65 to 1+20.

Nightshift

- The CAT 330 excavator pulled back ROQ material from the inner slope on the upstream side of the dam in the area above the GCL.
 - ROQ was pulled back from the North end to approximately station 0+60.
 - This material was hauled to the downstream side of the dam; where it was placed and compacted.

Key Trench/ Central Core*Dayshift*

- Single bead thermistors were read throughout the day; freeze back was noted at roughly 4:30PM.

Nightshift

- No FCM placement occurred.
- Attempts were made at collecting drilled core samples from the lifts placed 2012/02/06. However the generator would not start and once it finally started it would not stay started.
 - The generator was brought to the Nuna shop and a new pull cord was installed as the old pull cord broke when attempting to start the generator.
 - The light plants surrounding the dam have been tried previously and the breaker blow's as soon as the drill is started.
 - Attempts were made at starting the smaller red generator (which cannot power both the drill and the vacuum at same time) however the engine was seized.
 - Discussions were had with the nightshift Forman and a suitable light plant will be found for dayshift.
- The skid steer with broom attachment and CAT 330 excavator started cleaning snow from the base of the key trench late in the shift in anticipation of material placement on dayshift. Some additional cleaning was required at the end of shift.

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
			SB3	0+77	CL			
			SB11	1+45	CL			

			SB48	0+58	CL			
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- A summary of today's material testing progress is presented in the tables below.

PARTICLE SIZE DISTRIBUTION SUMMARY

Collected	Testing In Progress	Completed
HB12-FCP-CORE-PSD20-20120207		HB12-ND-CORE-PSD18-20120204 HB12-FCP-CORE-PSD19-20120206

MOISTURE CONTENT SUMMARY

Collected	Testing In Progress	Completed
		HB12-FCP-CORE-MC54-QA-201200206 HB12-FCP-CORE-MC55-QA-201200206 HB12-FCP-CORE-MC56-QA-201200206 HB12-FCP-CORE-MC57-QA-201200206 HB12-FCP-CORE-MC58-QA-201200206 HB12-FCP-CORE-MC59-QA-201200206 HB12-FCP-CORE-MC60-QA-201200206 HB12-FCP-CORE-MC61-QA-201200206 HB12-FCP-CORE-MC62-QA-201200206 HB12-FCP-CORE-MC63-QA-201200206

DRILLED CORE

Collected	Testing In Progress	Completed
		HB12-ND-CORE-DC24-QA-20120206 HB12-ND-CORE-DC25-QA-20120206

DORIS NORTH CAMP:

- Clean-up continued at the Doris North Diversion Berm key-trench.

SECONDARY ROAD:

- No new activity.

QUARRY #2:

- Blast today at 3:00PM on the western bench.
- Electricians worked on the crusher in Quarry 2, and a motor was replaced.
- The crusher was running on the nightshift.
- Two belt samples were collected from the crusher, one for a sieve and one for a proctor.

GENERAL:

- Discussions were had with JDS and the site trainer regarding orientation for Thomas Bradshaw. It has been arranged that Thomas will complete his orientation tomorrow and be ready for nightshift on Thursday.
- The pickup assigned to SRK 10-010 would not start on the nightshift; therefore a different pickup was

borrowed for the night.

- Arrangements have been made with JDS to borrow their truck on dayshift.

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: Cat 330 excavator pulling back ROQ on the upstream side of the dam shell.



Photo 4: ROQ hauled from the upstream side to the downstream side.



Photo 5: Excavator spreading and shaping ROQ on the downstream side of the dam.



Photo 6: Red fox near the North Dam photo point 1, view north.

Figure 1 – North Dam Progress – February 7th DAY and NIGHTSHIFTS

