

DAILY REPORT #37 – DORIS NORTH INFRASTRUCTURE/ NORTH DAM

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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 Yes No Yes No
	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 No Yes No Yes Yes No Yes No No Yes Yes No No Yes 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: -16.2	12PM: -9.8/-16	6 PM: -10.3/-20	11 PM: -12.8
Precipitation (mm)	Rain: None		Snow: None	
Conditions	Day Shift: Calm, balmy and sunny. Mild winds in the afternoon.		Night Shift: Clear, mild to moderate wind from west, warm.	
Daily norms (°C)	24 hour high: -7.7		24 hour low: -16.2	

HEALTH, SAFETY AND ENVIRONMENT

- Megan Miller and Thomas Bradshaw attended the nightshift Nuna 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 [Nick Stoneberger], JDS [Jerry Graham, Mark Valeriote, Lloyd Jackson, Ishan Fechter], and SRK [Murray McGregor]

Topic	Status
Health and Safety and Environment	<ul style="list-style-type: none"> • No new safety incidents; Newmont safety officer stated there are 11 incidents reported so far this month, which is well above average for this site. • Safety reminds people to be on the lookout for unsafe work. • ESR will be monitoring pipe placement throughout coming days.
North Dam	<ul style="list-style-type: none"> • Nuna is hopeful to get the FCP running by 10:00Am. • Nuna plans to start the crusher in the afternoon once the FCP is underway. • JDS inquired about potential placement on nightshift; Nuna stated it is not possible with their current staff. • Nuna stated their nightshift operator may return to work as soon as modified duty forms can be provided to Newmont; because the doctor's office is closed on the weekend, it is likely that next Thursday will be the soonest he can return to site.
Water Management Structures	<ul style="list-style-type: none"> • Nuna expects to be finished blasting in the Doris North Diversion Berm key-trench in 1.5 days. • Nuna plans to move the drills to the sumps as soon as the blasting for the berm is complete. • Nuna and JDS will be profiling Tail Lake to expand their working area for dirty snow.
General	<ul style="list-style-type: none"> • The crane will undergo a reset this morning; ADCO will attempt to move the stacks into place once the reset is complete.

SURVEY:

Required	<ul style="list-style-type: none"> • As-built survey of FCM placed Feb 11, 2012 • As-built survey of Transition placed Feb 11, 2012 • As-built survey of ROQ placed Feb 11, 2012
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Data Received	<ul style="list-style-type: none"> North Dam Cross sections <ul style="list-style-type: none"> QC 120209 ND CROSS-SECTIONS – Standard_V2007.zip AB 120115-120209 ND FD TR ROQ.xml a file which contains surfaces of: <ul style="list-style-type: none"> Frozen Core Material placed from Jan 15 to Feb 8th. Transition material placed from Jan 27 to Feb 9 ROQ material placed from Jan 26th to Feb 8th.
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.

NORTH DAM/FROZEN CORE PLANT PAD:

Frozen Core Plant

Dayshift

- Frozen core plant started at 10:00AM; material was good for placement within 15 minutes.
- The FCP ran smoothly throughout the rest of the shift.

Nightshift

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

Dam Shell

Dayshift

- No activity.

Nightshift

- Transition and ROQ material was placed along the downstream side of the core material. This material was placed with the CAT 330 excavator and compacted with the vibratory packer.
 - ROQ material was obtained from stockpiled ROQ material on the upstream side of the dam.
 - Transition material was obtained from the stockpile on the frozen core plant pad.
 - By the end of nightshift the area between 0+40 and 0+55 was even with the placed core.
- The CAT 330 excavator cleared snow from the edge of the ROQ berm stockpiled on the downstream crest of the shell material.

Key Trench/ Central Core

Dayshift

- SRK approved a clean surface for immediate placement of FCM.
- Material started slightly wet and was bleeding after several compaction passes.
- Throughout the day, moisture kept reducing. The water was increased at least four times throughout the day.
- It was suspected that the center of the FCM stockpile was drier than the outside, explaining the need to increase added water throughout the day.
- The last lifts seemed dry, but passed both moisture and saturation tests from the Troxler.
- Thermistor cable ND-HTS-085-29.4 was installed and covered with 250mm-300mm of FCM. Only static rolling was completed to compact the material covering the thermistor cable.
- One single bead was installed near either end of today's placement.

Nightshift

- No FCM placement.
- Heating of the 5/8" material covering the GCL liner on the upstream side continued.
- Labourers used a small electric jackhammer to carefully breakup the frozen 5/8" material on the upstream side. Only a ~1 m wide area was cleared. Approximately half the HDPE liner covering the GCL liner remains under the 5/8" material.
 - Clearing additional width along the HDPE liner was discussed with the foreman. It was discussed that all HDPE liner must be removed; an excavator could be used for the portion of

HDPE which does not cover the GCL.

- A tear in the GCL liner was noted at station 1+55, see photo below.
- Near the end of shift the skid steer with the broom attachment swept the core surface from the end of dayshift placement (~1+20) to the north end of the trench. The area from 1+20 to 1+50 was inspected and looked ready to place.
- The FCM placed on dayshift was not frozen back by the end of nightshift. This material was at 0°C 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
SB8	1+15	Center	SB6	0+58	Center	SB10	1+00	Center
SB2	0+55	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-PSD23-20120211	

MOISTURE CONTENT SUMMARY

Collected	Testing In Progress	Completed
HB12-FCP-CORE-MC73-QA-201200211	HB12-ND-CORE-MC88-QA-20120211	HB12-FCP-CORE-MC73-QA-201200211
HB12-FCP-CORE-MC74-QA-201200211	HB12-ND-CORE-MC89-QA-20120211	HB12-FCP-CORE-MC74-QA-201200211
HB12-FCP-CORE-MC75-QA-201200211	HB12-ND-CORE-MC90-QA-20120211	HB12-FCP-CORE-MC75-QA-201200211
HB12-ND-CORE-MC76-QA-20120211		HB12-ND-CORE-MC76-QA-20120211
HB12-ND-CORE-MC77-QA-20120211		HB12-ND-CORE-MC77-QA-20120211
HB12-ND-CORE-MC78-QA-20120211		HB12-ND-CORE-MC78-QA-20120211
HB12-ND-CORE-MC79-QA-20120211		HB12-ND-CORE-MC79-QA-20120211
HB12-ND-CORE-MC80-QA-20120211		HB12-ND-CORE-MC80-QA-20120211
HB12-ND-CORE-MC81-QA-20120211		HB12-ND-CORE-MC81-QA-20120211
HB12-ND-CORE-MC82-QA-20120211		HB12-ND-CORE-MC82-QA-20120211
HB12-ND-CORE-MC83-QA-20120211		HB12-ND-CORE-MC83-QA-20120211
HB12-ND-CORE-MC84-QA-20120211		HB12-ND-CORE-MC84-QA-20120211
HB12-ND-CORE-MC85-QA-20120211		HB12-ND-CORE-MC85-QA-20120211
HB12-ND-CORE-MC86-QA-20120211		HB12-ND-CORE-MC86-QA-20120211
HB12-ND-CORE-MC87-QA-20120211		HB12-ND-CORE-MC87-QA-20120211
HB12-ND-CORE-MC88-QA-20120211		
HB12-ND-CORE-MC89-QA-20120211		
HB12-ND-CORE-MC90-QA-20120211		

DRILLED CORE

Collected	Testing In Progress	Completed
		HB12-ND-CORE-DC30-QA-201202010
		HB12-ND-CORE-DC31-QA-201202010

DORIS NORTH CAMP:

- Small blasts occurred throughout the day at the Doris North Diversion Berm. Cat 345 excavator

continued mucking out the blast and moving blast mats.

- ROQ was placed on the east portion of the diversion berm on dayshift.
- No work on the diversion berm was done on nightshift.

SECONDARY ROAD:

- No activity.

QUARRY #2:

- The crusher screens needed to be changed to set up for crushing additional FCM.
- One of dayshifts two operators was sent to change the screens with the assistance of two labourers; no crushing was done today.
- The crusher was not running on nightshift.

GENERAL:

- Maintenance work was performed on the core drill; the connector to the drill was changed and a new hose was put on the glycol canister. The flow of glycol from the drill is much improved.

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: The first several truck loads were slightly over-wetted; water was bleeding out in into thin puddles. All material passed density testing.



Photo 5: Material as it became drier toward the center of the key-trench. Minimum saturation recorded at 84% after compaction.



Photo 6: Thermistor cable was graded within the accuracy of the DGPS (20mm). Bentonite water stops were poured between beads. View looking to the downstream side.



Photo 7: Thermistor cable buried with a slight speed bump of protective FCM cover. View looking to the upstream side.



Photo 8: View of nightshift activities, photo looking north east.



Photo 9: Transition and ROQ material placed from approximately station 1+55 to 0+40.



Photo 10: Looking south west along trench at exposed HDPE liner and hoarding over liner. Photo taken from around station 1+60.



Photo 11: Tear in GCL observed at station 1+55 note the RST readout box for scale.

FIGURES:

Figure 1 – North Dam Progress – February 11th Dayshift

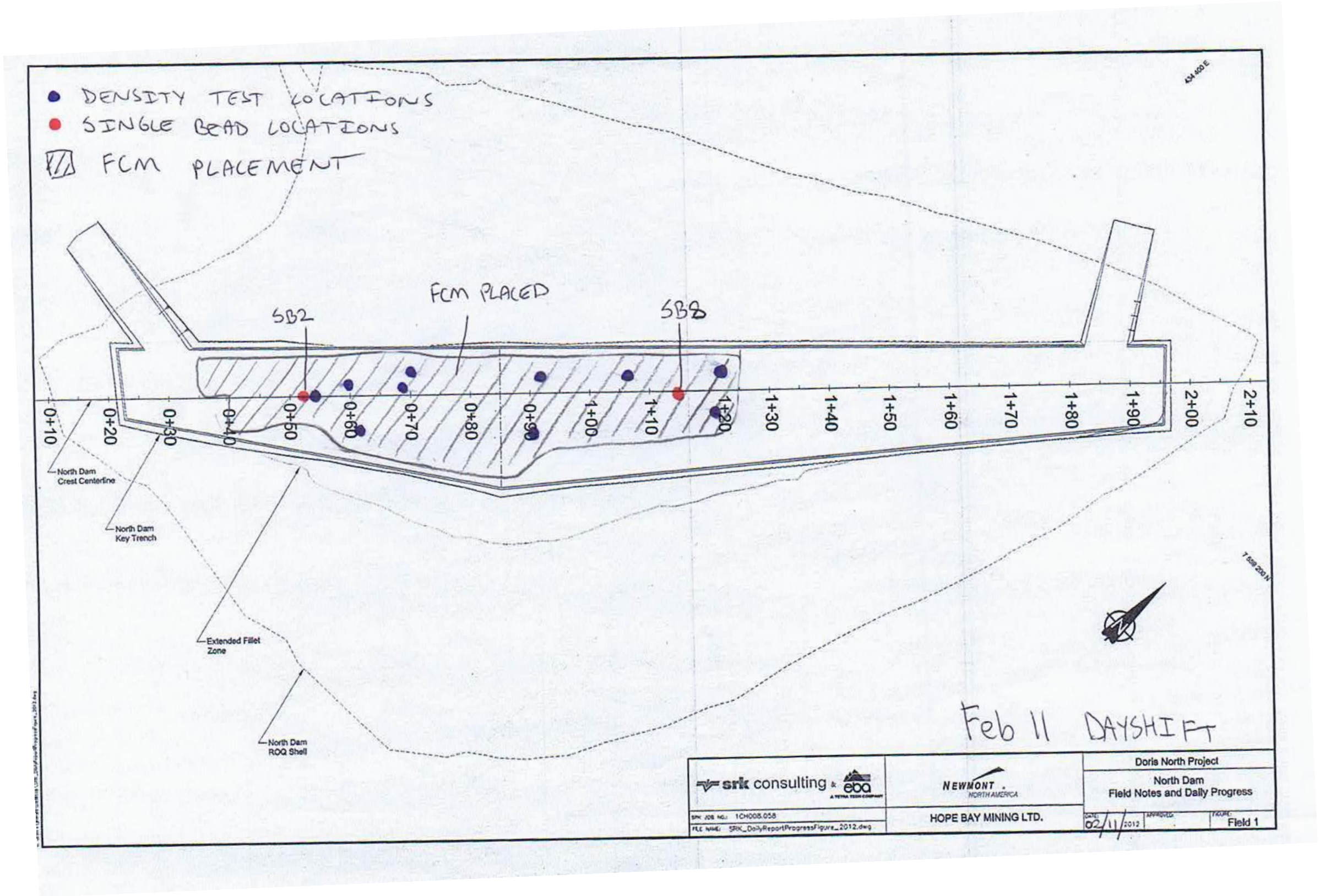


Figure 2 – North Dam Progress – February 11th Nightshift

