

DAILY REPORT #90 – DORIS NORTH INFRASTRUCTURE/ NORTH DAM

Prepared by:	Iozsef Miskolczi Megan Miller	Date:	2012.04.04
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 Dean Wold - Safety Jill Turk – ESR Coordinator Katsky Venter – ESR Manger Michelle Tanquay – ESR Site Manager Stirling Kelly – HSLP Advisor	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 Calvin Goldschmidt – Construction Coordinator	No No No Yes No In Yes
Engineering Design Consultants	SRK Consulting (Canada) Inc.	Megan Miller – Site Engineer Lawrence Borowski – Site Engineer Iozsef Miskolczi – Site Engineer	Yes No Yes
Earthworks Contractor	Nuna Logistics	Benny Vostermans – Foreman (Day Shift) Doug Haverland – Area Superintendent Gary Sodhi – Field Engineer Georges Cornelissen – Survey Manager Jeff Roberts - Surveyor Jim Cardinal – Foreman (Day Shift) Jordan Gunter – Foreman Kevin Kozdrowski – Foreman Kyle Kuntz – Project Engineer Margaret Caley – Surveyor Mike MacMaster – Surveyor Mike Price – Field Engineer Rick Peter – Foreman (Night Shift) Simon Chipper – Civil Supervisor	Yes No Yes Out No Yes No No No No Yes Out Yes No
External Distribution List:	SRK: Maritz Rykaart, Lowell Wade, Seema Kang, Silkie Wong EBA: Robert Zschuppe ; Nuna: Chris Petrovic; HBML: Dave Power		
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WEATHER (ROBERTS BAY)

<http://www.wunderground.com/weatherstation/WXDailyHistory.asp?ID=INUNAVUT3>

Temperature/Wind Chill (°C)	6AM:-11/-21	12PM: -7/-14	6 PM: -4/-4	12 AM: -11/-20
Precipitation (mm)	Rain: None		Snow: ~200 mm overnight	
Conditions	Day Shift: Cloudy with some sun; light snow mid-afternoon.		Night Shift: Overcast. Snow. Moderate wind.	
Daily norms (°C)	24 hour high: -4.3		24 hour low: -12.2	

HEALTH, SAFETY AND ENVIRONMENT

- Megan Miller attended Nuna's morning toolbox meeting.
- Iozsef Miskolczi will be switching to dayshift starting on Thursday, April 5.

COMMENTS, CORRESPONDENCE AND ACTIVITIES

DAILY MEETING WITH NUNA AND HBML TEAM:

- The daily meeting was attended by Nuna [Lucas Evans, Trevor Sorken], ESR [Katsky Venter], Nuna Safety [Stirling Kelly], JDS [Jerry Graham, Calvin Goldschmidt, Mark Valeriotte], SRK [Megan Miller]

Topic	Status
Health and Safety and Environment	<ul style="list-style-type: none"> • No safety incidents. • Safety requested that proper barricades be put up when the water management team is closing the roads. • No environmental incidents to report. • A compliance audit scheduled for April 23 was discussed.
North Dam	<ul style="list-style-type: none"> • SRK mentioned that they are done with the geotechnical lab if ESR would like to inspect it. • ROQ placement will continue today at the dam.
Water Management Structures	<ul style="list-style-type: none"> • Additional overburden for Sump 2 backfill was bagged last night and is being warmed.
General	<ul style="list-style-type: none"> • SRK discussed manpower. SRK will be going down to one person on site on Friday. • The work at the Jetty was discussed ESR must be there before any work starts on the ice. Nuna is measuring the ice thickness this morning. • The Doris-Windy road bridge thermistors will be drilled today. • Nuna has a meeting scheduled for tonight to discuss layoffs with their crews.

SURVEY:

Required	<ul style="list-style-type: none"> • Final as-built surveys of the following Diversion Berm components: <ul style="list-style-type: none"> ○ Overliner crush ○ Liner ○ ROQ berm (underliner) ○ Bentonite ○ Underliner crush ○ Key trench crush
Data Received	<ul style="list-style-type: none"> • None
Outstanding	<ul style="list-style-type: none"> • None
Upcoming	<ul style="list-style-type: none"> • Diversion Berm material as placed • Dam final ROQ • Dam crush over south thermosyphons pipes where they extend to the radiator (after compaction is complete)

- There is currently only one surveyor on site.

NORTH DAM/FROZEN CORE PLANT PAD:

Multi-bead Thermistors

- No multi-bead thermistor readings were collected.
- Metal ID tags were installed on the rest of the thermistors.
- The thermistor connector repair kit was retrieved from the Nuna electricians.
- The electricians mentioned that they had not yet had another chance to look at the connector for ND-HTS-050-33.5 as there was too much traffic in the area. The electricians said they will look at the cable

when there is less going on at the dam.

Dam Shell

Dayshift

- ROQ placement continued with the CAT D8 dozer placing the final lift of ROQ . This lift was extended to approximately station 0+65 at the end of shift. The downstream slope of this lift was not put in with the dozer.
- The CAT 330 excavator sloped the upstream and downstream sides of the previous lift of ROQ in front of the dozer working front. Excess material from this sloping was placed on the lift in front of the dozer. This material was slightly bony; however it was well spread over the lift and the ROQ material being placed with the dozer contained a good quantity of fines.
- The excavator also sloped some of the downstream side of the final lift.
- Survey marked a small area on the upstream side of the final lift of ROQ near 1+40 which is below grade at the crest.
- No compaction was observed of the crush material placed over the thermosyphons pipes.

Nightshift

- ROQ placement and slope finishing and compaction continued on nightshift.
 - Nuna was operating with a reduced nightshift crew. Only three trucks were hauling ROQ.

DORIS NORTH DIVERSION BERM:

- The CAT 325 excavator cut back/sloped the overbuilt downstream slope of the berm from the primary road to station 0+050.
- The CAT 308 excavator sloped the upstream slopes of ROQ and crush from the Primary road to station 0+50.
- The entire length of the diversion berm was walked near the end of dayshift to assess what work remains.
 - A section between station 0+250 and 0+100 requires a second lift of ROQ. Snow clearing is also required from the toe of the berm footprint for most of this area.
 - The section which had been blown in with snow requires a second lift of ROQ.
 - No compaction of the ROQ or crush of the berm was observed.
 - The upstream edge of the ROQ requires shaping/sloping in most locations.

SUMPS:

- No activity.

QUARRY #2:

- ROQ material was loaded from the quarry.

GENERAL:

- As of Friday, April 6, SRK will have only one personnel on site.
- Additional items were put in the SRK seacan for storage.

PHOTOS:

Photo 1: Progress photo of North Dam from photo point 1. Looking south west.



Photo 2: Progress photo of North Dam from photo point 2. Looking north west.



Photo 3: Progress photo of North Dam from photo point 3. Looking north east along dam alignment.



Photo 4: North Dam – View of crush placed over thermosyphons pipes; this material still requires compaction.



Photo 5: North Dam – View of remaining ROQ to be placed at the end of dayshift. Looking north east along the dam alignment from approximately station 1+20.



Photo 6: North Dam – Survey stakes marking slightly underbuilt portion of the final ROQ crest on the upstream side.



Photo 7: Diversion Berm – culverts after backfilling with second lift of ROQ material.



Photo 8: North Dam – dozer placing ROQ on the final lift. Photo looking north-east from station 0+40.



Photo 9: North Dam – progress photo of dam construction. Excavator finishing the downstream slope and truck dumping ROQ at the placement front. Photo looking west from Tail Lake Road.