

7DAILY REPORT #94 – DORIS NORTH INFRASTRUCTURE/ NORTH DAM

Prepared by:	Lawrence Borowski Iozsef Miskolczi	Date:	2012.04.08
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 Yes Yes No No Yes No
	JDS	Doug Fielding – Construction Manager Ishan Fechter – Construction Coordinator Jerry Graham – Construction Manager Mark Valeriote – Construction Manager Calvin Goldschmidt – Construction Coordinator	No Yes Yes Yes No
Engineering Design Consultants	SRK Consulting (Canada) Inc.	Megan Miller – Site Engineer Lawrence Borowski – Site Engineer Iozsef Miskolczi – Site Engineer	No Yes 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 Jordan Gunter – Foreman (Day Shift) Kyle Kuntz – Project Engineer Margaret Caley – Surveyor Mike MacMaster – Surveyor Mike Price – Field Engineer Rick Peter – Foreman (Night Shift) Simon Chipper – Civil Supervisor Trevor Sorken – Superintendent	Yes Yes Yes No Yes No No Yes No No No Yes No No
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WEATHER (ROBERTS BAY)

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

Temperature/Wind Chill (°C)	6AM:-27/-27	12PM: -18/-18	6 PM: -15/-19	12 AM:-24/-24
Precipitation (mm)	Rain: None		Snow: None	
Conditions	Day Shift: Clear, calm, nice day!		Night Shift: N/A.	
Daily norms (°C)	24 hour high: -14.5		24 hour low:-26.7	

HEALTH, SAFETY AND ENVIRONMENT

- Lawrence Borowski and Iozsef Miskolczi attended the weekly safety meeting.

COMMENTS, CORRESPONDENCE AND ACTIVITIES

DAILY MEETING WITH NUNA AND HBML TEAM:

- The daily meeting was attended by Nuna [Doug Haverland, Kyle Kuntz, Gary Sodhi], ESR [Michelle Tanquay], HBML [Dean Wold], JDS [Jerry Graham, Mark Valeriote, Ishan Fechter], SRK [Lawrence Borowski, Iozsef Miskolczi]

Topic	Status
Health and Safety and Environment	<ul style="list-style-type: none"> • Safety: No issues • ESR; No issues
North Dam	<ul style="list-style-type: none"> • Packer worked at the dam yesterday. • Excavator and packer working at the dam today. Excavator will be working on slopes. • Additional ROQ required at the south end, Sta 0+20 to 0+30 .
Water Management Structures	<ul style="list-style-type: none"> • Hauled snow from key trench ~ Sta 4+50 to Sta 5+50 • Start placing second lift of ROQ today.
General	<ul style="list-style-type: none"> • Nuna is planning to continue with the relocation of the core boxes at Windy today Should be finished today. • Wood and other debris where the core boxes along the lake were removed needs to be cleaned up. • Plan to install three thermistors at the bridges today. Tooling will be available Thursday to prepare drill for deep holes at the dam. • Following completion of thermistor installation at the bridges installation of the thermistors at the pollution pond will proceed. • Some discussion on the inverts of the culverts at the pollution pond. Survey picked up one reading that was .2m low. • Some discussion on the diversion berm required at south end of the Roberts Bay Tank farm. SRK confirmed that liner is not required. A well graded ROQ will suffice. • Discussion on the requirements for a pad for pumps/generator at the north dam.. • The night shift has been suspended. There was no night shift Saturday night.

SURVEY:

Required	<ul style="list-style-type: none"> • Dam crush over south thermosyphons pipes where they extend to the radiator (after compaction is complete) • Diversion Berm material as placed • Dam final ROQ • All bridge thermistor cable locations
Data Received	<ul style="list-style-type: none"> • None
Outstanding	<ul style="list-style-type: none"> • None
Upcoming	<ul style="list-style-type: none"> • Pollution/Sedimentation Ponds thermistor cable locations • RBTF diversion berm as-built

NORTH DAM/FROZEN CORE PLANT PAD:

Multi-bead Thermistors

- No readings were taken today.

Dam Shell

- Some grading and finishing work on the downstream slope, near the crest. Excavator down after lunch..

DORIS NORTH DIVERSION BERM:

- Second lift of ROQ was placed at the berm starting at Sta. 0+530 and progressing west.
- The excavator broke down early in the afternoon and ROQ placement stopped.

SUMPS:

- Piping and valves were installed

QUARRY #2

- RQO was hauled to the Diversion Berm.
- Core fine material hauled to the twin bridges for use as backfill in the thermistor trenches.

GENERAL:

- Multibead thermistors SRK10-DWB1, SRK-DWB2 and SRK-DWB3 were installed and read at bridges 2 and 3, following the same procedure as for the installation of the thermistors at Bridge#4.
 - Final compaction by mechanical methods will be done at a later time.
 - Termination in a junction box will be undertaken at a later date.
- Tests on the thermosyphons were continued from yesterday. The single bead thermistors fastened to Thermosyphons 1, 2, and 3 in the North cluster, left attached overnight, were read to determine evaporator return temperature. The thermistors were subsequently moved to thermosyphons 4, 5, and 6 and the procedure was repeated.
- The south cluster of thermosyphons could not be tested today, as daytime temperatures have risen above -20 degrees recommended for testing. Nevertheless single bead thermistors were attached to each thermosyphon (all six of them) and will be measured tomorrow early morning, before the temperatures rise again.
- Snow was cleared by the Nuna crew around the camp and hauled to the Doris snow dump.

PHOTOS:



Photo 1: Photo Point 1 facing north west.



Photo 2: Packer and excavator working at north dam. Photo facing north.



Photo 3: Placing second lift of ROQ ~ Sta 5+30.325 excavator was down for much of the day.



Photo 4: Test on thermosyphons . Readings will be taken early Monday morning



Photo 5: Installing thermister SRK-DWB2. Excavator is filling hole. Surveyor is surveying bedding layer.



Photo 6: Cable wrapped with geotextile.



Photo 7: Long wait times were common for large vehicles that couldn't pass the drill.



Photo 8: The finished product at thermister SRK-DWB3