

### DAILY REPORT #113 – DORIS NORTH INFRASTRUCTURE/ NORTH DAM

Prepared by:	Lowell Wade	Date:	2012.04.27
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	Doug Fielding – Construction Manager Ishan Fechter – Construction Coordinator Jerry Graham – Construction Manager Mark Valeriote – Construction Manager Calvin Goldschmidt – Construction Coordinator	No No Yes No Yes
Engineering Design Consultants	SRK Consulting (Canada) Inc.	Lowell Wade-Site Engineer Lawrence Borowski – Site Engineer	Yes No
Earthworks Contractor	Nuna Logistics	Doug Haverland - Area Superintendent Gary Sodhi – Field Engineer Georges Cornelissen – Survey Manager Jeff Roberts - Surveyor Jim Cardinal – Foreman Jordan Gunter – Foreman (Day Shift) Mike MacMaster – Surveyor Mike Price – Field Engineer Rick Peter – Foreman (Night Shift) Trevor Sorken – Superintendent	No No Yes No Yes No No Yes Yes Yes
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: -14.9	12PM: -3.0	6 PM: -9.4/-16.2	12 AM: -10.8/-13.6
Precipitation (mm)	<b>Rain:</b> None		<b>Snow:</b> None	
Conditions	<b>Day Shift:</b> Sunny, clear, calm		<b>Night Shift:</b> N/A.	
Daily norms (°C)	24 hour high: -3.7		24 hour low: -22.2	

**HEALTH, SAFETY AND ENVIRONMENT**

- Nothing to report

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

- The daily meeting was attended by Nuna [Trevor Sorkin], ESR [Katsky Venter], JDS [Jerry Graham, Calvin Goldschmidt], SRK [Lowell Wade], HBML [Stirling Kelly]

Topic	Status
Health and Safety and Environment	<ul style="list-style-type: none"> <li>• Safety: No issues.</li> <li>• ESR: No incidents.</li> <li>• Question was raised if notice is required when pumping of water to Tail Lake commences.</li> <li>• Be careful of slips, trips, and falls as the snow is starting to melt and re-freeze resulting in icy surfaces.</li> <li>• Be watchful of animals and report wildlife sightings.</li> </ul>
North Dam	<ul style="list-style-type: none"> <li>• There are electrical problems with the drill to be used for the additional instrument installation.</li> <li>• It is forecasted drilling will start tomorrow and will finish on Thursday May 4<sup>th</sup>.</li> </ul>
Water Management Structures	<ul style="list-style-type: none"> <li>• Supports to be placed under the low point drains.</li> </ul>
General	<ul style="list-style-type: none"> <li>• Hercules airlift for removal of equipment underway.</li> <li>• Continue core-box clean-up at Windy Camp today.</li> </ul>

**SURVEY:**

<b>Required</b>	<ul style="list-style-type: none"> <li>• The following as-built files for the North Dam: <ul style="list-style-type: none"> <li>○ Final compiled Core surface and linework</li> <li>○ Final compiled upper GCL surface and linework (including patches)</li> <li>○ Final compiled lower GCL surface</li> <li>○ Final compiled transition material surface and linework</li> <li>○ Final compiled overliner material surface and linework</li> <li>○ Compiled file of thermistor cables and thermistor cable bedding material (surfaces and linework) this would be for the entire path of the thermistor cables including the information from last year.</li> <li>○ Survey monuments and any backfill materials associated with these monuments.</li> </ul> </li> <li>• The following as-builts for the Doris Sumps: <ul style="list-style-type: none"> <li>○ Annulus crush backfill</li> <li>○ Annulus overburden backfill</li> </ul> </li> <li>• The following for the Doris Water Diversion Berm <ul style="list-style-type: none"> <li>○ Final compiled surface and linework of ROQ cover</li> <li>○ Final compiled surface and linework of ROQ berm</li> </ul> </li> </ul>
<b>Data Received</b>	<ul style="list-style-type: none"> <li>• None</li> </ul>

<b>Data Outstanding</b>	<ul style="list-style-type: none"> <li>• None</li> </ul>
<b>Data Upcoming</b>	<ul style="list-style-type: none"> <li>• The following as-built files for the North Dam: <ul style="list-style-type: none"> <li>○ Final compiled ROQ surface and linework</li> <li>○ Final surface and linework of over thermosyphon crush (after compaction)</li> <li>○ Instrumentation</li> </ul> </li> </ul>

#### **MULTI-BEAD GROUND TEMPERATURE CABLES**

- The North Dam GTC's were recorded.
- Pollution Control Pond GTC's were recorded.

#### **DAM SHELL:**

- Excavator dressing the upstream slope of the dam.
- Drilling of the additional instrumentation boreholes was not started.
- Discussions in the field were held regarding the protective housing for the Slope Indicators.
  - The housing is to protect the casing from being damaged.
  - A 4" Schedule 40 Steel Pipe will be used instead of the 6" Schedule 40 Steel Pipe.
  - This will allow the protective housing to be installed through the 6" diameter drill steel and allow the drill to de-mob without damaging the Slope Indicator Casing
- Discussions in the field were held regarding the Ground Temperature Cable Clusters.
  - Wrap the exposed GTC's with geotextile as they pass through the engineered fill.
  - Backfill the excavation with only non-saturated core material.
  - Install the GTC's through a length of PVC pipe which would extend above grade by ~0.3 m to protect the cables from being "snagged".
  - This work will be completed once the data loggers have been installed.

#### **QUARRY #2**

- No activity

#### **GENERAL**

- Weather conditions are warming.
- Clean-up at Windy continues.

## PHOTOS



**Photo 1:** The downstream face of the North Dam. Looking east from the Primary Vent Raise.



**Photo 2:** The Roberts Bay Fuel Tank Farm highwall. Still mostly covered in snow.



**Photo 3:** Panorama of Doris North from Quarry 2 on the left to the North Dam on the right.