

## DAILY REPORT #04 – DORIS NORTH INFRASTRUCTURE/ NORTH DAM

<b>Prepared by:</b>	Lowell Wade	<b>Date:</b>	2012.01.09
<b>Reviewed by:</b>		<b>Project #:</b>	1CH008.058.0340
<b>Role</b>	<b>Company</b>	<b>Personnel – Position</b>	<b>On Site</b>
Client	Hope Bay Mining Limited (HBML)	David Vokey – ESR Coordinator Don Ethelston – HSLP Advisor Dean Wold - Safety Jill Turk – ESR Coordinator Katsky Venter – ESR Manger Stirling Kelly – HSLP Advisor Angela Holzapfel – ESR Compliance Manager Michelle Tanquay – ESR Site Manager	No No Yes No Yes Yes No No
	JDS	Lloyd Jackson – Mechanical Superintendent Doug Fielding – Construction Manager Ishan Fechter – Construction Coordinator Jerry Graham – Construction Manager Kevin Whieldon – Project Coordinator Mark Valeriotte – Construction Manager	Yes No No Yes Yes In
Engineering Design Consultants	SRK Consulting (Canada) Inc.	John Kurylo – Site Engineer Megan Miller – Site Engineer Lawrence Borowski – Site Engineer Murry McGregor – Site Engineer Lowell Wade – Senior Engineer	No No No No Yes
	EBA Engineering Consultants Ltd.	Jeff Orr – Project Manager Jennifer Stirling – Geologist John Jaramillo – Eng. Technologist Thomas Bradshaw – Junior Engineer	No No No No
Earthworks Contractor	Nuna Logistics	Bradford Watkin – QC Manager Don Webber – Foreman Gary Sodhi – Field Engineer Georges Cornelissen – Survey Manager Jeff Roberts - Surveyor Jim Cardinal – Foreman Kevin Oakes – Project Engineer Kevin Kozdrowski – Foreman Margret Caley – Surveyor Matt McKay – Civil Supervisor Mike MacMaster – Surveyor Mike Price – Field Engineer Nick Stoneberger – Superintendent Doug Haverland – Area Superintendent Ron MacMaster – Surveyor Simon Chipper – Civil Supervisor Rick Peters – Foreman Dale Craig - Safety	No No No Yes No No Yes Yes No No Yes Yes Yes No Yes No Yes Yes
<b>External Distribution List:</b>	SRK: Seema Kang, Lowell Wade, Maritz Rykaart EBA: Nigel Goldup Nuna: Chris Petrovic JDS: Bob Prince-Wright 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:-32.7/47.2	12PM:-30.6/-43.1	6 PM :-28.9/-42.0	12 AM:-25.3/-39.3
Precipitation (mm)	<b>Rain:</b> None		<b>Snow:</b> None	
Conditions	<b>Day Shift:</b> Clear and sunny. Slight winds		<b>Night Shift:</b> Clear and sunny. Slight winds	
Daily norms (°C)	24 hour high: -25.2		24 hour low: -34.8	

**HEALTH, SAFETY AND ENVIRONMENT**

- Safety Refresher course to be held at 1PM today

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

- The daily meet was attended by ADCO, ACI, Nuna [Nick Stoneberger, Mike Price], Safety [Dean Wold], JDS [Jerry Graham, Lloyd Jackson, Kevin Whieldon], SRK [Lowell Wade]

Topic	Status
General	<ul style="list-style-type: none"> <li>• No general issues</li> </ul>
Health and Safety and Environment	<ul style="list-style-type: none"> <li>• Inspect all extension cords. Please mark extension cords with blue tape if they are not damaged.</li> <li>• It was observed the downstream footprint of the North Dam has been staked out.</li> </ul>
North Dam	<ul style="list-style-type: none"> <li>• Continue removing 5/8" and ROQ cover along the upstream side of the key trench. This material will be placed in lifts along the upstream face of the Dam.</li> <li>• Servicing of the Frozen Core Plant to continue.</li> </ul>

**SURVEY:**

Required	•
	•
Data Received	•
Outstanding	•
Upcoming	•

**NORTH DAM/FROZEN CORE PLANT PAD:**

- Snow was removed along the ROQ working surface of the upstream face of the Dam. The dirty snow was hauled to the dirty snow pile by Quarry 2.
- The protective cover of ROQ continues to be removed along the upstream side of the key trench and was placed in a single lift along the upstream face of the dam.
- The horizontal extent of this ROQ lift extends beyond the design lines as a safe working surface is required for the haul trucks and excavator to travel. Compaction will only be applied to the ROQ material within the dam shell. The upstream face will be re-shaped to the lines and grades shown on the IFC drawings once the frozen core and transition materials are at the same elevation as the ROQ material.
- The same construction method is being applied to the ROQ shell within the downstream footprint of the dam.
- The extents of the downstream toe of the dam have been staked out to make sure there is no disturbance to the tundra beyond the dam footprint.
- Once the elevation of frozen core material, within the key trench, reaches the original ground surface, the original ground along the downstream edge of the key trench will be cleaned to allow for placing of

transition material.

- A 10 tonne compactor was applied to the lift of ROQ material placed within the downstream footprint of the dam, the previous day.
- Work on the Frozen Core Plant continues.

#### GENERAL:

- Nuna held a North Dam SOP / information session prior to the start of night shift. The purpose was to:
  - To explain the function of a frozen core dam;
  - To explain the construction sequence;
  - To explain the importance of the liner system and the instrumentation.

#### MATERIAL TESTING:

Item	Area	Sample ID/File Name	Notes
Sampling & Testing Completed	Frozen Core Plant /North Dam	•	
Sampling Required	North Dam/Frozen Core Plant	•	

#### QUANTITIES:

**April 28, 2011**

Material Type	From	To	Daily Total
3:2 FCM			
5/8" Clear			
FCM Reject			
Blended Crush			
Snow			
ROQ			

**PHOTOS:**

**Photo 1:** Removal of the ROQ protective cover from the upstream side of the key trench. The ROQ was placed along the upstream face of the dam.



**Photo 2:** Closer inspection of the placed ROQ material.





**Photo 3:** Current conditions of the base of the key trench.