

DAILY REPORT #05 – DORIS NORTH INFRASTRUCTURE/ NORTH DAM

Prepared by:	Lowell Wade	Date:	2012.01.10
Reviewed by:		Project #:	1CH008.058.0340
Role	Company	Personnel – Position	On Site
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 Sven Archimowtiz – Electrical Superintendent Doug Fielding – Construction Manager Ishan Fechter – Construction Coordinator Jerry Graham – Construction Manager Kevin Whieldon – Project Coordinator Mark Valeriote – Construction Manager	Yes Yes No No Yes Yes Yes
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 Yes No Yes Yes
External Distribution List:	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:-27.0	12PM:-21.3/-32.3	6 PM :-21.7/-35.2	12 AM:-27.3/-42.8
Precipitation (mm)	Rain: None		Snow: None	
Conditions	Day Shift: Clear and sunny. Slight winds		Night Shift: Clear and sunny. Slight winds	
Daily norms (°C)	24 hour high: -20.5		24 hour low: -28.5	

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, Williams Wireless, Nuna [Nick Stoneberger], ESR [Katsky Venter, Angela Holzapfel], JDS [Jerry Graham, Mark Valeriotte, Lloyd Jackson, Kevin Whieldon, Sven Archimowtiz], SRK [Lowell Wade]

Topic	Status
General	<ul style="list-style-type: none"> • The power will be shut off briefly at 1PM in the Administration building and parts of the main camp
Health and Safety and Environment	<ul style="list-style-type: none"> • No incidents to report • Spill kit and drip trays are in-place at the North Dam • The downstream toe of the dam footprint has been staked out
North Dam	<ul style="list-style-type: none"> • Removal of protective ROQ cover to continue at the North end • Three access ramps into the key trench have been constructed • Safety protocols for propane at the Frozen Core Plant to be implemented

SURVEY:

Required	•
	•
Data Received	•
Outstanding	•
Upcoming	•

NORTH DAM/FROZEN CORE PLANT PAD:

- Labours tried to remove the granular material covering the damaged liner but were unsuccessful as it was frozen. The granular material will have to be hoarded and allowed to thaw so the liner can be exposed and repairs made.
- Continued removal of protective ROQ cover removal along the upstream edge of the key trench using the 345 excavator.
- The ROQ material was placed in a lift ~ 1 m thick across the upstream face of the dam
- The 10 tonne compacter was applied to the placed ROQ.
- The 325 excavator with a clean-up bucket was used to carefully remove the ROQ placed around the protective steel pipes housing ground temperature cables ND-VTS-040-KT and ND-HTS-040-31.5. Once the steel pipes were freed from the ROQ material they were carefully laid down and the ground temperature cables were measured using an RST TH2016 thermistor readout to ensure the cables were functioning properly.
- Based on accessibility, some of the ground temperature cables installed in the North Dam were read. The current location of the ground temperature cables are shown on the sketch at the end of the report.

Bead No.	Ground Temperature Cable Temperature (°C)							
	ND-VTS-085-KT	ND-HTS-085-25.3	ND-VTS-130-DS	ND-VTS-060-US	ND-VTS-085-US	ND-VTS-130-US	ND-VTS-040-KT	ND-HTS-040-31.5
1	-13.47	-10.67	-9.28	-11.10	-8.67	-9.94	-19.71	-17.45
2	-12.04	-13.01	-7.63	-8.95	-6.74	-7.99	-16.68	-23.26
3	-10.67	-17.02	-6.22	-7.23	-5.45	-6.77	-14.63	-25.80
4	-8.35	-18.19	-5.71	-6.36	-4.54	-6.56	-11.61	-25.67
5	-6.90	-18.75	-6.70	-6.96	-4.77	-7.27	-9.74	-25.26
6	-6.28	-18.56	-7.30	-7.46	-5.44	-7.71	-8.55	-23.92
7	-6.29	-16.88	-7.62	-7.64	-6.12	-7.95	-7.87	-19.35
8	-6.63	-13.80	-7.79	-7.75	-6.66	-8.12	-7.58	-18.55
9	-6.92	-11.13	-7.76	-7.78	-7.03	-8.17	-7.75	-20.41
10	-7.27	-	-7.76	-7.85	-7.36	-8.26	-8.03	-22.87
11	-7.38	-9.25	-7.71	-7.79	-7.52	-8.24	-8.02	-

GENERAL:

- A brief meeting was held after the 7:15AM meeting to discuss the Doris North Water Diversion Berm:
 - Attended by JDS [Jerry Graham, Kevin Whieldon], Nuna [Nick Stoneberger, Georges Cornelissen], ESR [Katsky Venter, Angela Holzapfel], SRK [Lowell Wade]
 - Discussed the requirement and design criteria for the Diversion Berm
 - Discussed the constructability. It was suggested a conference call be arranged
 - Areas on the drawings indicate potential standing water and discussed possible solutions to encourage the water to follow down hill

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: In the foreground, an attempt to expose the damaged liner, by hand, was unsuccessful as the material over the liner was frozen.



Photo 2: Careful excavation around the ground temperature cables at the west end of the key trench. Final excavation was completed by hand and the steel pipes housing the cables were carefully laid onto the base of the key trench.



Photo 3: Removal and relocation of the protective material continues. The 10 tonne compactor works the ROQ surface within the upstream ROQ shell of the dam

