

## DAILY REPORT #107– DORIS NORTH INFRASTRUCTURE/ NORTH DAM

Prepared by:	Lawrence Borowski	Date:	2012.04.21
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	Yes Yes No No Yes No Yes
	JDS	Doug Fielding – Construction Manager Ishan Fechter – Construction Coordinator Jerry Graham – Construction Manager Mark Valeriote – Construction Manager Calvin Goldschmidt – Construction Coordinator	Yes No No No Yes
Engineering Design Consultants	SRK Consulting (Canada) Inc.	Megan Miller – Site Engineer Lawrence Borowski – Site Engineer Iozsef Miskolczi – Site Engineer	No 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) Margaret Caley – Surveyor Mike MacMaster – Surveyor Mike Price – Field Engineer Rick Peter – Foreman (Night Shift) Trevor Sorken – Superintendent	No No No No No Yes No Yes Yes No Yes
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## WEATHER (ROBERTS BAY)

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

Temperature/Wind Chill (°C)	6AM:-19.1/-19.1	12PM: -17.6/-25.3	6 PM:-15.1/-20.5	12AM ; -18.3/-18.3
Precipitation (mm)	<b>Rain:</b> None		<b>Snow:</b> None	
Conditions	<b>Day Shift:</b> Sunny, light wind, colder		<b>Night Shift:</b> N/A.	
Daily norms (°C)	24 hour high:-15.1C		24 hour low:-20.5	

## HEALTH, SAFETY AND ENVIRONMENT

## COMMENTS, CORRESPONDENCE AND ACTIVITIES

### DAILY MEETING WITH NUNA AND HBML TEAM:

- The daily meeting was attended by Nuna [Trevor Sorkin,], ESR [ Katsky Venter, Angela Holzapfel], JDS [Doug Fielding, Calvin Goldschmidt ], SRK [Lawrence Borowski,], HBML [Don Ethelston],Newmont IT [Brian Haagsman]

Topic	Status
Health and Safety and Environment	<ul style="list-style-type: none"> <li>Safety: No issues.</li> <li>ESR: Extended compliments to Nuna on well equipment, light plants, frost fighters ,etc are being neatly lined up.</li> <li>Discussed need for spill trays under all parked equipment. There are spill trays under all parked equipment now, but some may be covered with snow.</li> <li>Fuel tanks no longer in use should be drained.</li> <li>All ammonia nitrate must be contained in berms. This is already done albeit the berms are not high.</li> <li>ERN (an auditing company) will be doing a three day inspection starting Monday.</li> </ul>
North Dam	<ul style="list-style-type: none"> <li>Excavations for cables at Sta 0+60 were complete.</li> <li>Approximately 1/3 of the trench for cables at Sta 0+85 was complete.</li> <li>Scheduled completion of downstream cable excavations is tomorrow (Sunday)</li> <li>Scheduled completion of upstream cable excavations is Tuesday.</li> <li>Survey requirements indicate that survey of ¾ in crush placed at the south thermosyphons is required after the crush is compacted. JDS/Nuna indicated the 10 ton compactor will not be run over the thermosyphon pipes.</li> </ul>
Water Management Structures	<ul style="list-style-type: none"> <li>No activity.</li> </ul>
General	<ul style="list-style-type: none"> <li>ESR to confirm locations of the instaberms at Windy.</li> <li>JDS enquired as to the status of the data loggers.</li> </ul>

### SURVEY:

Required	<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> </ul> </li> </ul>
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	<p>Sumps:</p> <ul style="list-style-type: none"> <li>○ Annulus crush backfill</li> <li>○ Annulus overburden backfill</li> <li>● 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>	•
<b>Outstanding</b>	• None
<b>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>• Survey monuments and any backfill materials associated with these monuments.</li> <li>• Instrumentation</li> </ul> </li> </ul>

#### **Multi-bead Thermistors**

- No activity

#### **DAM SHELL:**

- Excavation for thermistor cables at Sta 0+85 continued
- When hand excavating under the four cables, it was discovered that cable ND-HTS-085-33.5 had been severed at some point. Hand excavation was extended down to a depth of 1 meter (ROQ level below the bed for the cables) and extended horizontally, but there was no sign of the other end of the cable. The 1 m trench depth was continued.
- Cable ND-HTS-085-33.5 was extended out from the frozen core during night shift on March 14<sup>th</sup>. Readings were taken on March 15<sup>th</sup> and 16<sup>th</sup>. The 1<sup>st</sup> indication that there were issues with this thermistor came when reading were taken on March 26<sup>th</sup>. It is suspected that the cable was severed when ROQ was placed in the intervening time period.
- Bucket on the excavator was switched to a wide (1.2m) bucket to follow the 4 cables that were spread out.
- There is a curve in the trench that was excavated. The starting point of the trench was fixed. The end point is as per IFC drawings. The curve was required to pick up the four cables at midpoint that didn't line up.
- The four thermistor strings were tested at the termination point. All are working.
- Excavation for thermistor cables to Sta 1+30 started at 1:30 pm.
- Excavator Cat 325 with a smaller bucket used.
- The cable cluster was encountered in the middle of the trench. Little hand digging was required as the cables were simply pulled up through the crush to the required elevation.
- By the end of the shift excavation had reached the top, but crush had not been completed to the top.

#### **QUARRY #2**

- Loading and hauling  $\frac{3}{4}$  in crush as required for the thermistor installations..

#### **GENERAL:.**

- Still a question of whether or not Batt needs to return to site for some work at the RBTF.

PHOTOS:



**Photo 1:** Final product at Sta 0+60 after backfilling



**Photo 2:** Cable layout at Sta 0+85 necessitated hand excavation under each. Cable on left was the severed cable





**Photo 3:** Three remaining cables Sta 0+85



**Photo 4:** Placing cable Sta 0+85. Cables were banded with ties to make handling easier





**Photo 5:** Sta 0+85 Curve in trench to end up at IFC construction location



**Photo 6:** St 0+85 Near the top. Wide trench resultant from using a large bucket.





**Photo 7:** Sta 0+85 Bottom to top



**Photo 8:** Sta 0+85. Surplus cable at termination point.





**Photo 9:** Sta 0+85 End of severed cable



**Photo 10:** Cables in a cluster required little hand digging.





**Photo 11:** Sta 1+30 progress photo.



E 434300

E 434400

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CURRENT STATUS.

ND-SSP-155-2

ND-SSP-140-2

ND-SMP-160-DS

ND-SSP-155-1

APR 18

APR 16

ND-SMP-160-US

ND-SSP-140-1

ND-SMP-140-DS

APR 18

ND-SMP-140-US

ND-SSP-110-3

ND-SSP-125-2

ND-IN-120-3

ND-IN-120-2

ND-SSP-125-1

ND-IN-120-1

ND-SSP-110-2

ND-DSP-120

ND-SMP-120-DS

APR 18

APR 16

ND-SMP-120-US

ND-SSP-095-3

ND-SSP-095-2

ND-DSP-100

ND-SMP-100-DS

APR 17

APR 15

ND-SMP-100-US

ND-SSP-080-3

ND-SSP-080-2

ND-SSP-065-3

ND-SSP-065-2

ND-IN-070-3

ND-IN-070-2

ND-SSP-080-1

ND-SMP-080-DS

ND-DSP-070

ND-SSP-065-1

ND-SMP-065-DS

ND-IN-070-1

ND-SMP-080-US

ND-SMP-045-DS

ND-SMP-065-US

ND-SMP-045-US

APR 19

APR 17

APR 15

APR 14

APR 16

APR 18

APR 19

APR 20

APR 21

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