

DAILY REPORT #108– DORIS NORTH INFRASTRUCTURE/ NORTH DAM

Prepared by:	Lawrence Borowski	Date:	2012.04.22
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
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:-22.1/-22.1	12PM: -17.8/-25.0	6 PM: -16.2/-16.2	12AM : -20.6/-26.0
Precipitation (mm)	Rain: None		Snow: None	
Conditions	Day Shift: Cloudy		Night Shift: N/A.	
Daily norms (°C)	24 hour high: -15.5C		24 hour low:-22.7C	

HEALTH, SAFETY AND ENVIRONMENT

- Lawrence Borowski attended weekly safety meeting.

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"> • Safety: No issues. • ESR: Reported a small 1-2 litre spill from the snow cat. Spill was cleaned up, snow cat repaired and back in service. • Require an update on ESR's list of items.
North Dam	<ul style="list-style-type: none"> • SRK reported that cables at Sta 0+85 have all been buried and trench backfilled. • SRK reported that excavation at Sta 1+30 was complete. However, crush was not quite complete at the end of the shift. • SRK reported that while excavating cables it was discovered that cable ND-HTS-085-33.5 had been severed. Workers were unable to locate the other end of the severed cable. • Some discussion on the surplus cables that are now coiled up at each station. Should the cables be cut now, or when the data loggers are installed, or not cut at all. SRK to follow up.
Water Management Structures	<ul style="list-style-type: none"> • No activity.
General	<ul style="list-style-type: none"> • Some discussion on shift change flights. Starting May 4th, flights will be on Friday rather than Thursday. • Further discussions on shift change flights suggest that due to a decrease in the numbers for shift changes that the Thursday-Friday flights will be discontinued. In lieu Dash 7 flights originating in Yellowknife will be scheduled for Wednesdays. • Another cat train from Cambridge Bay arrived yesterday. An 80 ton crane, mixer trucks and pickups will be going out today. • IT removing KT radios

SURVEY:

Required	<ul style="list-style-type: none"> • The following as-built files for the North Dam: <ul style="list-style-type: none"> • Final compiled Core surface and linework • Final compiled upper GCL surface and linework (including patches) • Final compiled lower GCL surface • Final compiled transition material surface and linework • Final compiled overliner material surface and linework • 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. <p>Sumps:</p>
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	<ul style="list-style-type: none"> ○ Annulus crush backfill ○ Annulus overburden backfill ● Diversion Berm <ul style="list-style-type: none"> ○ Final compiled surface and linework of ROQ cover ○ Final compiled surface and linework of ROQ berm
Data Received	<ul style="list-style-type: none"> ● RBTF diversion berm
Outstanding	<ul style="list-style-type: none"> ● None
Upcoming	<ul style="list-style-type: none"> ● The following as-built files for the North Dam: <ul style="list-style-type: none"> ● Final compiled ROQ surface and linework ● Final surface and linework of over thermosyphon crush (after compaction) ● Survey monuments and any backfill materials associated with these monuments. ● Instrumentation

Multi-bead Thermistors

- The following thermistors were read:
- ND-VTS-130-DS,ND-VTS-130-KT,ND-HTS-130-28.8,ND-HTS-130-31.0,ND-HTS-130-33.5,ND-VTS-175-KT,ND-HTS-32.5, ND-175-33.5, ND-VTS-130-US

DAM SHELL:

- There was a slow start this morning. By noon excavations at Sta 1+75 were complete and backfilled. Work at this location was straightforward with no issues.
- Excavation then started upstream for thermistor ND-VTS-130 –US.
- This vertical cable came up through the ground ~ 10 meters from the toe of the dam fill. The cable was looped back through crush to where it was threaded through a pipe and laid on the slope of the dam.
- To achieve a 1 m trench it was necessary to excavate the cable until a trench depth of 1 m could be achieved. The excavator was used to the extent practical with the balance exposed by hand. As the crush was frozen a pick ax along with shovels were used.
- While excavating the cable the sheath was nicked, for a length of ~ 25mm. The cable was tested and found to be working. Electricians were called in to tape the cable.
- The second issue was that the cable was frozen in the pipe. The pipe was buried with the cable.
- Overall, progress was very slow with a high risk of damaging the cable
- Excess ROQ from trench excavations moved to the south end of the dam and spread out.

QUARRY #2

- Loading and hauling ¾ in crush as required for the thermistor installations.

SUMPS:

- Tabs welded on sump 1.

GENERAL:

- Cat train to Cambridge Bay

PHOTOS:



Photo 1: Excavator filling in low area at south end of dam.



Photo 2: Gates installed at south end of burn pad.



Photo 3: Cables that were placed at elev 33.5 exposed to a depth of 1 m. Sta 1+75. Curve to end at point shown on IFC drawings



Photo 4: Termination Sta 1+75



Photo 5: Final product Sta 1+75



Photo 6: Termination Sta 1+30



Photo 7: Final product Sta 1+30



Photo 8: Sta 1+30. Cable came out of the ground approx 10 m from the workers.



Photo 9: Trench excavated along side cable. Cable then chipped out



Photo 10: Cable exposed to ~ 1 m depth.



Photo 11: Electricians repairing nick in sheath of cable.

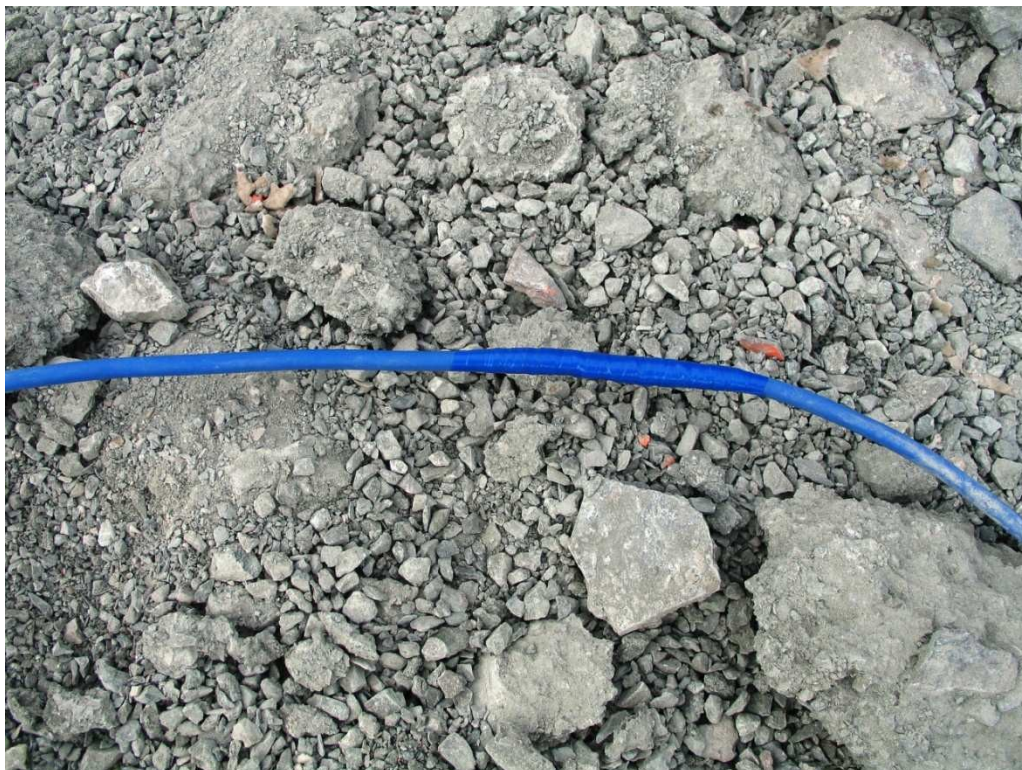


Photo 12: The repair job.



Photo 13: Progress for about ½ the shift. Cable is brought to center. Pipe will be buried as cable is frozen in the pipe. Operator reported that this trench was more difficult to excavate than the others.

E 434300

E 434400

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CURRENT STATUS.

Apr 22

ND-SSP-155-2

ND-SSP-140-2

ND-SMP-160-DS

ND-SSP-155-1

Apr 15

Apr 16

ND-SMP-160-US

ND-SSP-140-1

ND-SMP-140-DS

Apr 18

Apr 16

ND-SMP-140-US

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

ND-SSP-110-1

ND-SMP-120-US

ND-SSP-110-3

ND-SSP-095-3

ND-SSP-095-2

ND-DSP-100

ND-SSP-080-3

ND-SSP-080-2

ND-SMP-100-DS

ND-SSP-065-3

ND-SSP-065-2

ND-IN-070-3

ND-SSP-080-1

ND-IN-070-2

ND-SMP-080-DS

ND-DSP-070

ND-IN-070-1

ND-SSP-065-1

ND-SMP-065-DS

ND-SMP-080-US

Apr 19

Apr 21

Apr 15

Apr 22

Apr 20

Apr 17

Apr 15

ND-SMP-045-DS

ND-SMP-065-US

Apr 19

Apr 14

ND-SMP-045-US

0+30

0+20

0+10

0+00

North Dam Crest Centerline

Upstream