

DAILY REPORT #105– DORIS NORTH INFRASTRUCTURE/ NORTH DAM

Prepared by:	Lawrence Borowski	Date:	2012.04.20
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: -19.2/-19.2	12PM: -8.7/-8.7	6 PM: -11.9/-17.4	12AM:-17.4/-17.4
Precipitation (mm)	Rain: None		Snow: None	
Conditions	Day Shift: Sunny, calm, warm. Light wind late afternoon		Night Shift: N/A.	
Daily norms (°C)	24 hour high: -7.0C		24 hour low: -21.3C	

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],

Topic	Status
Health and Safety and Environment	<ul style="list-style-type: none"> Safety: Discussed equipment that might be used for refueling at Boston next week. ESR: No incidents: Discussed final cleanup at the ERT burn site. This will be cleaned up today. A short discussion on snow clearing in the fuel berm.
North Dam	<ul style="list-style-type: none"> Excavation for thermistor cables at the north dam started at noon. By the end of shift cables at Sta 0+40 were complete. Work started on the cables at Sta 0+60. Excavation ended ~ 1/3 of the way up the hill. Some discussion on the issues encountered.
Water Management Structures	<ul style="list-style-type: none"> No activity.
General	<ul style="list-style-type: none"> Instrumentation for deep settlement installations and inclinometer installations arrived yesterday. Tooling for West Arc did not arrive. It is in Yellowknife. Should be on the herc coming in. Need to move the 18 cu.m. geology tank to Windy.

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> <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">

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

- No activity

DAM SHELL:

- Overall, excavating trenches and placing cables was organized, but is still a slow process.
- Excavations at Sta 0+60 to the top of the embankment was complete.
- Considerable time was spent tying in with the 4 cable cluster at elev 33.5. The issue here is that it was necessary to expose the cables by hand to a depth of .7m. It was possible to excavate the 1 m trench along side the exposed cables, but there was no way of knowing whether the cables had been buried initially in a straight line. To ensure that cables were not cut, the cables were exposed by hand to a depth of 1 m, then the excavation proceeded.
- Excavations at Sta 0+60 were complete by noon, and the entire excavation was backfilled with ROQ with surplus ROQ cleaned up.
- Excavations at Sta 0+85 presented several challenges. Thermistor cable for ND-VTS-085-KT was coiled up in a snowbank, ~ 5 m from the location where it came out of the ground. It was in frozen crush at an unknown depth and needed to be exposed by hand.
- The next issue was at the location where the four cables were located at elev 33.5. Unlike the cables at Sta 0+60 these were not in a cluster. They were spread over a width of > 1 m. There is a need to expose these cables to a depth of 1 m. Crew had reached this point late in the shift.
- Safety berms were constructed at the termination point at Sta 0+40 and Sta 0+60.
- Some clean up on the slopes was performed at the south end downstream side.
- Two excavators were used today. One for excavating, the second for backfilling and other work.
- A narrower bucket was used today, compared to yesterday.
- All thermistors at Sta 0+60 checked and are working.

SUMPS:

- No activity.

QUARRY #2

- No activity.

GENERAL:.

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

PHOTOS:



Photo 1: Stoa 0+60, excavating at cable cluster. Excavation at this point needed to be ~.5 m under the cable cluster



Photo 2: Sta 0+60 Excavating under cable cluster



Photo 3: Sta 0+60 .6 m of crush in place. Warning tape in place.



Photo 4: Sta 0+60 termination of cables



Photo 5: Sta 0+60 finished product



Photo 6: St 0+60 Safety berm at ermination point.



Photo 7: Sta 0+85 Locating cable. It was buried in crush .



Photo 8: Sta 0+85. End of cable shown is location where it came out of the ground. Excavations in foreground were to uncover cable to where it was coiled up..



Photo 9: Sta 0+85 Progress.No buttress is planned as there is adequate cover.

E 434300

E 434400

30

CURRENT STATUS.

ND-SSP-155-2

ND-SSP-140-2

ND-SMP-160-DS

ND-SSP-155-1

APR 15

1+70

1+60

APR 16

ND-SMP-160-US

ND-SSP-140-1

ND-SMP-140-DS

1+50

1+40

ND-SMP-140-US

APR 16

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

1+30

1+20

APR 16

ND-SMP-120-US

ND-SSP-110-1

ND-SMP-100-DS

1+10

ND-SMP-100-US

APR 15

ND-SSP-095-3

ND-SSP-095-2

ND-DSP-100

ND-SSP-080-2

ND-SSP-095-1

ND-SMP-080-DS

ND-SSP-065-3

ND-SSP-065-2

ND-IN-070-3

ND-IN-070-2

ND-SMP-080-US

ND-DSP-070

ND-IN-070-1

ND-SSP-065-1

ND-SMP-065-DS

ND-SMP-080-US

APR 17

APR 15

ND-SMP-065-US

APR 14

ND-SMP-045-US

APR 16

ND-SMP-045-DS

APR 19

ND-SMP-045-US

APR 17

APR 15

APR 14

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APR 11

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