

DAILY REPORT #109– DORIS NORTH INFRASTRUCTURE/ NORTH DAM

Prepared by:	Lawrence Borowski	Date:	2012.04.23
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 In 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: -19.1/-19.1	12PM: -16.1/-16.1	6 PM: -14.9/-19.4	12AM : -17.6/-17.6
Precipitation (mm)	Rain: None		Snow: None	
Conditions	Day Shift: Fog lifting by noon Clear and calm in the afternoon.		Night Shift: N/A.	
Daily norms (°C)	24 hour high: -14.9C		24 hour low: -19.6C	

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"> Safety: No issues. ESR: No issues. Short discussion on ammonia nitrate and need for berms
North Dam	<ul style="list-style-type: none"> SRK provided update. Cables at Sta 1+75 were brought up the downstream slope with no issues. Work started on the upstream side at Sta 1+30. There were issues with the cable being in frozen crush. Cable was nicked while being extracted. Cables at Sta 0+60 are in a pipe that extends into the ice. For this cable the SRK design will be used. This will be a buttress at the end. Excavation will start partway up the slope until a depth of 1 m is achieved. The cable will then be laid same as the others.
Water Management Structures	<ul style="list-style-type: none"> Plan to place the electrical panels on the sumps today.
General	<ul style="list-style-type: none"> There is a plan to move 78 sea cans containing lubes and oils into tank farm 1. The question is whether or not the reach stacker can be used for this purpose. The thermistor at the jetty will be installed by West Arc when they arrive.

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
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	<ul style="list-style-type: none"> o 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

- The following thermistors were read:
- ND-VTS-130-US

DAM SHELL:

- Work at Sta 1+30 was started yesterday afternoon with the most difficult part at the bottom completed. Trench was excavated to the termination point on the west side of the dam, cable installed and backfilled by 1:00 pm.
- Cable was long enough and did not need to be extended. It was read on completion.
- The cable at Sta 0+85 was the next cable to be extended. An inspection of this cable revealed that the 1st 40 feet were in 2-20 foot lengths of pipe. Approximately ½ of the first pipe was in ice.
- Nuna were successful in uncoupling the pipes and completely removing the end section.
- The location of the cable at ground level was marked, and a 1 m deep trench was excavated from the end of the pipe along side it.
- A buttress will be constructed over the 1st pipe and a minimum of 1 m beyond. Currently this is under a lot of snow and ice and will be constructed at the end.
- Trench was excavated and cable placed and covered to within 5 m of the top of the dam.

QUARRY #2

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

SUMPS:

- Electrical panels were mounted on both sumps.
- This will be the final report on sumps.

GENERAL:

- Monday shift change plane arrived at 3:00 pm

PHOTOS:



Photo 1: Electrical panel in place, sump 1.



Photo 2: Electrical panel in place sump 2..



Photo 3: Excavation at Sta 1+30 us before being surveyed



Photo 4: Placing cable Sta 1+30 us.



Photo 5: Final crush across the top of the dam Sta 1+30 us



Photo 6: Final product Sta 1+30 us



Photo 7: Two pipes separated. Cable is being pulled through the top pipe Sta 0+85 us.



Photo 8: Sta 0+85 us. Section that will require a buttress. Note that pipe ends about 3 m into the snowbank .



Photo 9: Excavation at Sta 0+85 us. The red paint line indicates where the underground line is located. At the pipe it was ~ 1m down



Photo 10: Extent of excavating today



Photo 11: Cable placement Sta 0+85

E 434300

E 434400

30

CURRENT STATUS.

Apr 22

28

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

ND-SMP-140-US

ND-SSP-110-3

ND-SSP-125-2

ND-IN-120-3

ND-SSP-125-1

ND-SSP-110-2

ND-DSP-120

ND-SMP-120-DS

Apr 18

Apr 16

ND-SMP-120-US

ND-SSP-110-1

ND-SMP-100-DS

ND-SMP-100-US

ND-SSP-095-2

ND-DSP-100

ND-SSP-080-2

ND-SSP-095-1

ND-SSP-065-3

ND-SSP-065-2

ND-IN-070-3

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

ND-SMP-045-DS

ND-SMP-065-US

ND-SMP-045-US

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