

## DAILY REPORT #06 – DORIS NORTH INFRASTRUCTURE/ NORTH DAM

<b>Prepared by:</b>	Lowell Wade	<b>Date:</b>	2012.01.11
<b>Reviewed by:</b>		<b>Project #:</b>	1CH008.058.0340
<b>Role</b>	<b>Company</b>	<b>Personnel – Position</b>	<b>On Site</b>
Client	Hope Bay Mining Limited (HBML)	David Vokey – ESR Coordinator	No
		Don Ethelston – HSLP Advisor	No
		Dean Wold - Safety	Yes
		Jill Turk – ESR Coordinator	No
		Katsky Venter – ESR Manger	Yes
		Stirling Kelly – HSLP Advisor	Yes
		Angela Holzapfel – ESR Compliance Manager	No
		Michelle Tanquay – ESR Site Manager	No
	JDS	Lloyd Jackson – Mechanical Superintendent	Yes
		Sven Archimowtiz – Electrical Superintendent	Yes
		Doug Fielding – Construction Manager	No
		Ishan Fechter – Construction Coordinator	No
		Jerry Graham – Construction Manager	Yes
		Kevin Whieldon – Project Coordinator	Yes
Mark Valeriote – Construction Manager		Yes	
Engineering Design Consultants	SRK Consulting (Canada) Inc.	John Kurylo – Site Engineer	No
		Megan Miller – Site Engineer	No
		Lawrence Borowski – Site Engineer	No
		Murry McGregor – Site Engineer	No
		Lowell Wade – Senior Engineer	Yes
	EBA Engineering Consultants Ltd.	Jeff Orr – Project Manager	No
		Jennifer Stirling – Geologist	No
		John Jaramillo – Eng. Technologist	No
Earthworks Contractor	Nuna Logistics	Thomas Bradshaw – Junior Engineer	No
		Bradford Watkin – QC Manager	No
		Don Webber – Foreman	No
		Gary Sodhi – Field Engineer	No
		Georges Cornelissen – Survey Manager	Yes
		Jeff Roberts - Surveyor	No
		Jim Cardinal – Foreman	No
		Kevin Oakes – Project Engineer	Yes
		Kevin Kozdrowski – Foreman	Yes
		Margret Caley – Surveyor	No
		Matt McKay – Civil Supervisor	No
		Mike MacMaster – Surveyor	Yes
		Mike Price – Field Engineer	Yes
		Nick Stoneberger – Superintendent	Yes
		Doug Haverland – Area Superintendent	No
		Ron MacMaster – Surveyor	Yes
		Simon Chipper – Civil Supervisor	No
		Rick Peters – Foreman	Yes
Dale Craig - Safety	Yes		
<b>External Distribution List:</b>	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/-40.4	12PM:-29.4	6 PM :-27.9/-40.3	12 AM:-25.3/-33.4
Precipitation (mm)	<b>Rain:</b> None		<b>Snow:</b> None	
Conditions	<b>Day Shift:</b> High Overcast		<b>Night Shift:</b> High Overcast	
Daily norms (°C)	24 hour high: -22.6		24 hour low: -29.7	

**HEALTH, SAFETY AND ENVIRONMENT**

- No incidents were reported
- A lemming was spotted in the garbage can by the core shack and by D-Wing. Please keep all exterior doors closed to keep the animals out.

**COMMENTS, CORRESPONDENCE AND ACTIVITIES****DAILY MEETING WITH NUNA AND HBML TEAM:**

- The daily meet was attended by ADCO, ACI, Williams Wireless, Nuna [Nick Stoneberger, Simon Chipper, Kevin Oakes], ESR [Katsky Venter, Angela Holzapfel], JDS [Jerry Graham, Mark Valeriote, Lloyd Jackson, Kevin Whieldon, Sven Archimowtiz], SRK [Lowell Wade]

Topic	Status
General	<ul style="list-style-type: none"> <li>• When the power was shut down the back-up power did not last very long and there were no phones or internet.</li> </ul>
Health and Safety and Environment	<ul style="list-style-type: none"> <li>• New Waste Sorting posters are available to be posted in work sites</li> <li>• Positive pressure unit for the crusher control room is required</li> </ul>
North Dam	<ul style="list-style-type: none"> <li>• No issues with removal and placing of material</li> <li>• Almost all of the ROQ has been removed</li> <li>• The Frozen Core Plant was fired up yesterday. Issues with storing propane have been resolved.</li> <li>• Still need to check the belts to make sure they track correctly</li> <li>• It is estimated frozen core material will start being placed by the end of the week or the start of next week at the latest</li> </ul>
Water Management Structures	<ul style="list-style-type: none"> <li>• Updating the Doris North Water Diversion Berm IFC drawing package with the new original ground survey in underway</li> <li>• A conference call was suggested to discuss the Doris North Sump installation. The conference call was held at 11AM [Hope Bay time].</li> </ul>

**SURVEY:**

<b>Required</b>	<ul style="list-style-type: none"> <li>•</li> <li>•</li> </ul>
<b>Data Received</b>	<ul style="list-style-type: none"> <li>• Survey of ROQ placed on the Doris-Windy Road during 2011.</li> <li>• North Dam Liner Map – displays location of potentially damaged liner</li> </ul>
<b>Outstanding</b>	<ul style="list-style-type: none"> <li>•</li> </ul>
<b>Upcoming</b>	<ul style="list-style-type: none"> <li>•</li> </ul>

**NORTH DAM/FROZEN CORE PLANT PAD:**

- The morning the 345 excavator was used to remove the snow covering the core material beside the Frozen Core Plant
- The 325 excavator removed the temporary sump located on the downstream edge of the key trench
- Traffic delineators have been placed around the Ground temperature cables laying within the key trench.
- Late in the day, yesterday, the ROQ around ground temperature cables ND-HTS-060-28.8 and ND-VTS-060-KT was removed. While the steel pipes protecting the ground temperature cables were being lowered to the ground, ground temperature cable ND-HTS-060-28.8 was severed at the bottom of the protective steel pipe.
- The frozen material around the cable is currently being hoarded so it can be removed to provide access to the end of the cable still in the ground for a splice to be made
- 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-HTS-060-28.8	ND-VTS-060-KT	ND-HTS-040-31.5	ND-VTS-040-KT	ND-HTS-085-25.3	ND-VTS-085-KT	ND-VTS-060-DS
1	-	-16.76	-17.94	-19.88	-11.81	-13.65	-10.27
2	-	-13.75	-23.02	-16.82	-14.06	-12.17	-9.10
3	-	-10.76	-25.14	-14.78	-17.83	-10.77	-8.07
4	-	-8.66	-25.22	-11.72	-18.92	-8.43	-6.49
5	-	-7.87	-24.90	-9.82	-19.44	-6.95	-5.38
6	-	-7.48	-23.76	-8.61	-19.23	-6.31	-4.85
7	-	-7.30	-19.84	-7.91	-17.52	-6.31	-4.89
8	-	-7.30	-19.06	-7.59	-14.42	-6.63	-5.34
9	-	-7.44	-20.21	-7.76	-11.84	-6.92	-5.90
10	-	-7.62	-22.61	-8.03	-	-7.29	-6.47
11	-	-7.67	-	-8.02	10.05	-7.39	-6.62

**GENERAL:**

- A brief meeting was held at 11:00AM meeting to discuss the Doris North Sump Installation:
  - Attended by JDS [Jerry Graham, Kevin Whieldon], Nuna [Mike Price, Simon Chipper, Nick Stoneberger, Kevin Oakes], ESR [Katsky Venter, Angela Holzapfel], SRK [Lowell Wade, Maritz Rykaart – by phone]
  - Discussed the installation of Sumps #1 and 2 along the Float Plane Dock Access Road
  - Key issues were a minimum annulus of 0.3 m to be backfilled with 5/8" clear material. Backfilling the top 1 m with original ground material which will be covered with coconut matting. The diameter of the sump lid will be increased to overhang the disturbed original ground as required
  - After the meeting Nuna updated their Work Plan which will be forwarded along to those attending the meeting for review.

**PHOTOS:**

**Photo 1:** The 325 excavator is removing protective cover material along the downstream face of the key trench in the background. The temporary sump has been removed in the centre of the photo. The person standing next to ground temperature cables ND-HTS-060-28.8 and ND-VTS-060-KT. Ground temperature cables ND-VTS-040-KT and ND-HTS-040-31.5 have been cordoned off by traffic delineators in the foreground.



**Photo 2:** The traffic delineator, in the foreground, marks the location where ground temperature cable ND-VTS-060-KT comes out of the frozen fill. Ground temperature cable ND-HTS-060-28.8 has been severed, below the surface of the key trench. Hoarding is being applied to the frozen fill so enough cable can be exposed to allow for a splice to be made.

