

7DAILY REPORT #100– DORIS NORTH INFRASTRUCTURE/ NORTH DAM

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| Prepared by: | Lawrence Borowski | Date: | 2012.04.14 |
| Reviewed by: | | Project #: | 1CH008.058.0320 |
| Role | Company | Personnel – Position | On Site |
| Client | Hope Bay Mining Limited (HBML) | Angela Holzapfel – ESR Compliance Manager | No |
| | | David Vokey – ESR Coordinator | Yes |
| | | Dean Wold - Safety | Yes |
| | | Jill Turk – ESR Coordinator | No |
| | | Katsky Venter – ESR Manger | No |
| | | Michelle Tanquay – ESR Site Manager | Yes |
| | | Stirling Kelly – HSLP Advisor | No |
| | JDS | Doug Fielding – Construction Manager | Yes |
| | | Ishan Fechter – Construction Coordinator | Yes |
| | | Jerry Graham – Construction Manager | No |
| Mark Valeriot – Construction Manager | | No | |
| Calvin Goldschmidt – Construction Coordinator | | No | |
| 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 | Yes |
| | | Gary Sodhi – Field Engineer | No |
| | | Georges Cornelissen – Survey Manager | No |
| | | Jeff Roberts - Surveyor | Yes |
| | | Jim Cardinal – Foreman | No |
| | | Jordan Gunter – Foreman (Day Shift) | Yes |
| | | Kyle Kuntz – Project Engineer | Yes |
| | | Margaret Caley – Surveyor | Yes |
| | | Mike MacMaster – Surveyor | No |
| | | Mike Price – Field Engineer | Yes |
| | | Rick Peter – Foreman (Night Shift) | No |
| | | Trevor Sorken – Superintendent | No |
| | | 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>

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|-----------------------------|--|--------------------|--------------------------|------------------|
| Temperature/Wind Chill (°C) | 6AM: -26.4/-38.3 | 12PM: - 21.1/-29.7 | 6 PM:-18.6/-29.2 | 12AM:-23.7/-31.4 |
| Precipitation (mm) | Rain: None | | Snow: None | |
| Conditions | Day Shift: Clear, cold, light to moderate winds | | Night Shift: N/A. | |
| Daily norms (°C) | 24 hour high: -18.2C | | 24 hour low:-26.8C | |

HEALTH, SAFETY AND ENVIRONMENT

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COMMENTS, CORRESPONDENCE AND ACTIVITIES

DAILY MEETING WITH NUNA AND HBML TEAM:

- The daily meeting was attended by Nuna [Doug Haverland, Kyle Kuntz,], ESR [Michelle Tanquay], JDS [Doug Fielding, Ishan Fechter], SRK [Lawrence Borowski,], HBML [Don Ethelston], ITNewmont [Brian Haagsman]

| Topic | Status |
|-----------------------------------|--|
| Health and Safety and Environment | <ul style="list-style-type: none"> Safety: Worker pinched finger undoing chain stretcher. ESR: Require information on snow road to Boston, including costs, equipment used split between Kitnuna and Nuna, start and end dates. What was surfacing on jetty. (3/4 in crush) |
| North Dam | <ul style="list-style-type: none"> Work at the dam to start today. Survey crew laying out survey monuments. Some discussion on road leading down to the north dam. There are 1.5 m fills to go in. JDS to look into this requirement. |
| Water Management Structures | <ul style="list-style-type: none"> North diversion berm is now complete. Final snow clearing on ice roads along the berm underway today. RBTF berm is complete. Will start finishing sumps and placing lids today. |
| General | <ul style="list-style-type: none"> Water treatment plant removal: Equipment is still live. Cable trays are buried in snow. Recommend decommissioning in spring. Williams Wireless working at power house today. |

SURVEY:

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| 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. |
| Data Received | <ul style="list-style-type: none"> RBTF Diversion Berm As built ROQ Airport Expansion . |
| Outstanding | <ul style="list-style-type: none"> None |

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| 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 • Final compiled surface and linework of diversion berm ROQ cover. |
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Multi-bead Thermistors

- No activity

DAM SHELL:

- Survey crew laid out survey monuments.
- Installed 1st survey monument # ND-SMP-065-US
- Excavated monument #ND-SMP-080-US

DORIS NORTH DIVERSION BERM:

- Berm is complete.
- Final cleanup of snow off ice roads. .

SUMPS:

- Cleaned snow around sump 2.
- Placed overburden material around sump 2.
- One more bag of overburden material will be placed to account for settlement.
- Tops remain to be installed.
- Excavated material remains to be removed.

QUARRY #2

- No activity.

GENERAL:

- Thermosyphon tests undertaken .
- 1st survey monument installed at the dam. A large hole was excavated for safety reasons.
- A new packer was brought in (yesterday). Compaction is not an issue.
- A level was held against the casing to ensure that it was truly vertical to the extent possible.
- Small packer was used around the pipes. To the extent possible, the 10 ton roller provided most of the compactive effort. In the end, virtually all excavated material was replaced in the hole. There is a small depression remaining, but it was noted that some of the excavated material remained on the key trench surface.
- SRK and Nuna (Mike Price) inspected North Diversion Berm, RBTF berm, sump 2, work at the north dam, thermistors at the bridges and thermistors at the pollution control pond. North Diversion Berm and RBTF berm will be signed off tomorrow.
- SRK's vehicle was commandeered for preventative maintenance this afternoon.

PHOTOS



Photo 1: RBTF berm, from downstream end facing west.



Photo 2: RBTF berm, from top facing east. Some original berm material was used to construct the first section



Photo 3: Top of diversion berm Sta 5+00 facing east. Note that crush was placed only to the design width.



Photo 4: Piping at sump 2.



Photo 5: Submersible pump at sump 2.



Photo 6: Snow clearing at sump 2.



Photo 7: Placing overburden at sump 2.



Photo 8: Survey monument is placed, and backfilled with $\frac{3}{4}$ in crush. Small packer has finished packing around the pipe. Surveyor is recording crush. Large excavation was for safety considerations. Packer was moved with chains.



Photo 9: Checking vertical alignment.



Photo 10: Final product, small depression remains