

## Memo

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<b>To:</b>	Jerry Graham, Doug Fielding, Calvin Goldschmidt, Greg Blaylock	<b>Date:</b>	May 19, 2011
<b>Company:</b>	JDS	<b>From:</b>	Lowell Wade
<b>Copy to:</b>	Maritz Rykaart, SRK	<b>Project #:</b>	1CH008.033.0350
<b>Subject:</b>	Request for Information NL-RFI-044		

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This Site Directive Memo supersedes the response to the Request for Information NL-RFI-044 (Attachment 1). Field observations of the clean 5/8" material, made during the week of May 15th, followed by a review of recent Particle Size Distribution Analysis (Attachment 2) indicates this material will not be a suitable material to place under the liner.

The clean 5/8" crush material is poorly graded so it will not achieve compaction which will compromise the integrity of the liner system. The loose behavior of this material can be observed at the North Dam where it has been placed as an indicator layer over the frozen core material during the Seasonal Close-Out Construction Activities. The original 1 1/4" material specified on the drawings should be adhered to. All crush material must be placed in lifts no greater than 300 mm and compacted to 95% proctor. In recognition of the limited quantity of 1 1/4" material, 3/4" crush material can be substituted for the 0.15 m thick 1 1/4" crush material leveling course. The 0.2 m thick 3/4" crush material under the liner system is still required.

Regards

**SRK Consulting (Canada) Inc.**

A handwritten signature in blue ink that reads 'Lowell Wade'.

Lowell Wade, M.Sc., P.Eng.  
Senior Consultant



## REQUEST FOR INFORMATION

RFI NUMBER	<b>NL-RFI-044</b>
ISSUE DATE (YY/MM/DD)	April 20, 2011
PRIORITY	H <input checked="" type="checkbox"/> M <input type="checkbox"/> L <input type="checkbox"/>
REQ'D RESPONSE DATE	<b>April 27, 2011</b>

### Hope Bay Mining Project

Subject:	Robert's Bay Tank Farm Sub-grade Fill	Project Zone/Area:	Robert's Bay
Company:	Nuna Logistics Ltd. (Nuna)	Station/Location:	Fuel Tank Farm
Attention:	Mark Valeriote / Doug Fielding / Jerry Graham	Discipline:	Civil

AFE:		Specification Number:	
Related Drawings:	HB+R-CIV-CIV-OND-044 Rev 0	Related Documents:	

Related WBS Code	n/a	WBS Code Description:	n/a

### Information Request/Description of Issue/Approval Required:

The SRK IFC drawing HB+R-CIV-CIV-OND-044 Rev 0 Detail 3 indicates a 0.15 m layer of 1 1/4" Crush on the blasted bedrock surface and a 0.2 m cap of 3/4" crush on the 1 1/4" layer.

Nuna has implemented a blast program with a 0.7 m sub-drill. It is expected that the sub-grade surface will be uneven and require fill to prepare a level surface at design grade. This volume of fill was not included in the IFC package.

The 1 1/4" stockpiles onsite are not sufficient to complete the Robert's Bay Tank Farm pad. Additional crushing would be required for the design volume and the above mentioned additional fill volume.

### Proposed Corrective Action:

Nuna proposes the following to minimize material and construction costs:

1. Fill and level the blasted bedrock surface with 5/8" clear material to the bottom of the design 1 1/4" bedding. There are adequate stockpiles of 5/8" clear material onsite. The 5/8" clear material was a byproduct of Frozen Core Material production for the North Dam. The use of this material would avoid the cost of crushing 1 1/4" material.
2. Place 3/4" crush instead of 1 1/4" crush material. There are adequate stockpiles of 3/4" crush onsite.

Originator: Jeff DePape

April 20, 2011

Print:

Sign:

Date:

Cost Impact	<input type="checkbox"/> No	<input checked="" type="checkbox"/> Yes
Detailed Estimate attached	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes
Schedule Impact	<input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes
Source for Communication	<input type="checkbox"/> Owner Change	<input type="checkbox"/> Clarification/Info
	<input type="checkbox"/> Vendor Change	<input checked="" type="checkbox"/> Constructor Change
		<input type="checkbox"/> Designer Change
		<input type="checkbox"/> Other

Note: RFI's are not authorized change documents and cannot be used to direct a change in contract requirements. If Newmont's response on the RFI has cost and/or schedule effect, it is the contractor's responsibility to immediately advise Newmont. Work undertaken without Newmont written authorization is at the contractor's risk and expense

☐ Corrective Action Approved

☐ Correct as Follows:

Response:

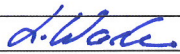


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Hope Bay Mining Project

SRK agrees with using 5/8" clear material up to the bottom of the design 1 1/4" leveling course. SRK also agrees with substituting 3/4" crush material for the 0.15 m thick 1 1/4" crush material leveling course. The 0.2 m thick 3/4" crush material under the liner system is still required. All crush material must be placed in lifts no greater than 300 mm and compacted to 95% proctor.

Responsible Newmont Representative:	Lowell Wade		April 21, 2011
	Print:	Sign:	Date:

**Attachment 2**  
Particle Size Distribution for 5/8" Material

