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Memo

To: Jerry Graham, Doug Fielding, Calvin

Goldschmidt, Greg Blaylock

Company: JDS

Copy to: Maritz Rykaart, SRK

Subject: Request for Information NL-RFI-044

Date:

From:

Project #:

May 19, 2011

Lowell Wade

1CH008.033.0350

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 were 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.

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

Senior Consultant



REQUEST FOR INFORMATION

RFI NUMBER	NL-RFI-044							
ISSUE DATE (YY/MM/DD)	April 20, 2011							
PRIORITY	Н	Х	М	L				
REQ'D RESPONSE DATE	April	27, 2	011					

		RECOR	ESPONSE DATE	April 27, 2011
pject				_
Robert's Bay Tank Farm Sub-grade I	Fill	Project Zone/	Area:	Robert's Bay
Nuna Logistics Ltd. (Nuna)		Station/Locat	ion:	Fuel Tank Farm
Mark Valeriote / Doug Fielding / Jerry Graham		Discipline:		Civil
		· .		
HB+R-CIV-CIV-OND-044 Rev 0		Related Docu	ments:	
1	L was sold	Danadations		
n/a	WB3 Code	Description:	n/a	
/Description of Issue/Approval Require	eq.			
, Description of issue, Approval nequile			76 hawaren	
	indicates a 0	.15 m layer of 1	¼" Crush on the blas	ted bedrock surface and a 0.2 m
e 1 % layer.				
				be uneven and require fill to
ce at design grade. This volume of fill v	was not inclu	ded in the IFC p	ackage.	
nsite are not sufficient to complete the	e Robert's Ba	y Tank Farm pa	d. Additional crushin	g would be required for the design
ve mentioned additional fill volume.				-
Action:	***************************************			
llowing to minimize material and cons	struction cost	is:		
vel the blasted bedrock surface with 5,	/8" clear mat	erial to the bott	om of the design 1 1/4	" bedding. There are adequate
		The second of the second of the second		Material production for the North
		111		
Jeff DePape		AVI.		April 20, 2011
Print:	3	igh/N		Date:
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□ No Yes				
	-			
-		larification/Info	Cons	structor Change
☐ Vendor Change				
		ty to immediate	ely advise Newmont.	Work undertaken without
thorization is at the contractor's risk at	no expense		·····	
Approved Correct as F	Follows:			
	Robert's Bay Tank Farm Sub-grade Nuna Logistics Ltd. (Nuna) Mark Valeriote / Doug Fielding / Jet HB+R-CIV-CIV-OND-044 Rev 0 In/a Action: Mark Valeriote / Doug Fielding / Jet HB+R-CIV-CIV-OND-044 Rev 0 Detail 3 is 1 %" layer. In a blast program with a 0.7 m sub-dougle at design grade. This volume of fill insite are not sufficient to complete the mentioned additional fill volume. Action: Moliowing to minimize material and considered the blasted bedrock surface with 5 of 5/8" clear material would avoid the construction of this material would avoid the consult instead of 1 %" crush material. The 5/8 is use of this material would avoid the consult instead of 1 %" crush material. The second of the consult instead of 1 %" crush material. The second of the consult instead of 1 %" crush material. The second of the consult instead of 1 %" crush material. The second of 1 %" crush material instead of 1 %" crush material. The second of 1 %" crush material instead of 1 %" crush material. The second of 1 %" crush material instead of 1 %" crus	Robert's Bay Tank Farm Sub-grade Fill Nuna Logistics Ltd. (Nuna) Mark Valeriote / Doug Fielding / Jerry Graham HB+R-CIV-CIV-OND-044 Rev 0 /Description of Issue/Approval Required: HB+R-CIV-CIV-OND-044 Rev 0 Detail 3 indicates a 0 to 1 ¼" layer. ed a blast program with a 0.7 m sub-drill. It is expected at design grade. This volume of fill was not inclusing the are not sufficient to complete the Robert's Bate mentioned additional fill volume. Action: Ollowing to minimize material and construction cost well the blasted bedrock surface with 5/8" clear material use of this material would avoid the cost of crushing trush instead of 1 ¼" crush material. There are additional fill volume. Jeff DePape Print: No Yes Action Owner Change Vendor Change Vendor Change In the contractor's responsibility thorization is at the contractor's risk and expense	Robert's Bay Tank Farm Sub-grade Fill	Robert's Bay Tank Farm Sub-grade Fill Nuna Logistics Ltd. (Nuna) Mark Valeriote / Doug Fielding / Jerry Graham Discipline: Specification Number:



REQUEST FOR INFORMATION

RFI NUMBER	NL-RFI-044 April 20, 2011						
ISSUE DATE (YY/MM/DD)							
PRIORITY	Н	Х	M	L			
REQ'D RESPONSE DATE	Apri	27, 2	011	4,000			

Hor	oe P	av M	Min	ing	Proi	ect

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.

		1.0	
Responsible Newmont Representative:	Lowell Wade	delole.	April 21, 2011
	Print:	Sign:	Date:

Particle Size Distribution for 5/8" Material

EBA, A Tetra Tech Company

PROJECT:	D/															
	Don's North - North E		rth - N	lorth Dam		SRK SAMPLE NO:		HB-CR-FINES-PSD 18-QA-2011050							<u>506</u>	
					_	Sample	Descr	iption:		-	5/8" Rejects					
ADDRESS:	Ho	ope Bay	y, NU		<u> </u>											
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DATE TESTED): <u>M</u> :	ay 06/1	1	By: GFL						_						
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					BULK R	EL. DE	ENSITY	(SSD)	: -			n/a				
ATTENTION:	Lo	owell W	/ade			APPARE	ENT RI	EL. DEI	NSITY:	_			n/a			
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