BGC ENGINEERING INC.
AN APPLIED EARTH SCIENCES COMPANY

LABORATORY GRAIN SIZE ANALYSIS
Upstream Transition Fill
Revision 2

Project Information / Sample Information / Laboratory Information

Project Name:		Structure:		Material Type:		Coordinates (N or STN, E or Offset. Elev.		Lab Name:		Test Date:	
Project Number		Work Area:		Sample ID				Technician:		Report Date:	
Client Name		Borrow Source:		Sampled By:				Sample Date:		Test Method:	

Grain Size Testing Information

(A) Container		
(B) Wt Wet Soil + Tare, g		
(C) Wt Dry Soil + Tare, g		
(D) Tare		
(E) Wt Dry Soil (C-D)		
(F) Wt Washed, g		
(G) Wt Wash Pan, g(E-F)		
Reactivity Test Test Method FM-13-007		
Total Sample Weight (g):		
Weight used for the Test (g):		
A Particles Reactive #:		
B Particles Reactive #:		
C Particles Reactive #:		
Weight Mat. Ret. No.4 (if Applicable)		
Wt Reactive Part. Ret.No.4 (If Applicable)		
Percent Reactive Particles (If Applicable)		
Reaction Strength Result:		

Grain Size Distribution

Screen	(mm)	Wt Ret	% Ret	Cum % Ret	% Pass	Specs
4"	101.6					
3.5"	89.0					
3"	75					
2.5"	63					
2"	50.8					
1.5"	37.50					
1"	25					
3/4"	19.00					
1/2"	12.5					
3/8"	9.5					
No.4	4.75					
10	2					
200	0.075					
Pan						
Tot Pan						

Preparation Method:

Oven Dry Air Dry
Mech. Split Man. Split

Summary Grain Size Distribution Parameter		Specs
Coarser than Gravel%		-
Gravel%		-
Sand%		≥ 35
Fines%		0-5
D60, mm:		-
D30, mm:		-
D10, mm:		-
Cc:		-
Cu:		-

Reactivity Test Legend:

# Particles	React. Strength	Symbol
0	No Rective	NR
1 to 15	Weak	W
16 to 30	Moderate	M
30+	Strong	S

Comparison Information

Screen	Specs	CQA % Pass	CQC % Pass	Diff CQA - CQC Lab % pass
2"	100			
200	0-5			
Sand %	≥ 35			

Test Condition

Test	Passed	Failed
Gradation test		
Reactivity test		

Comments:

Corrective Actions:

Reviewed By:_____ Date:_____ DB Checked by:_____ Entered in DB by:_____