

MONITORING WELL ID: 4KMW11-3



Project Location: Watson Lake Airport, Yukon
Drilling Contractor: Uniwide Drilling Company Ltd.
Drilling Equipment/Method: Solid and Hollow Stem Augers
Well Location: SE Corner Area of AEC 4 Landfill

Project Name/No.: Watston Lake Airport AEC 4
Client: PWGSC
Engineer/Geologist: [REDACTED]
Drill Date: September 17, 2011 **Page:** 1 of 2

Depth (ft/m)	Symbol	Soil / Sediment Description	Sample Type	% Recovery	Sample Analyzed (Y,N)	Sample ID	Headspace (GasTech)		Well Construction	Remarks
							ppm 0 100 300 500	LEL in % 0 20 60 100		
ft m										
-2 -1 0		Ground Surface								
0 1 2 3 4 5 6 7 8 9	1	<p>silty SAND</p> <p>Brown, silty fine SAND with some fine gravel and rootlets. Moist, loose, soft, no plasticity and odours and staining were not observed.</p> <p>Slight reddish-brown colour at 3.0 mbg..</p>								Stick Up Cover
10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27	2 3 4 5 6 7 8	<p>silty SAND</p> <p>Brown, silty, fine to medium SAND with some coarse gravel. Moist, dense, no plasticity and odours and staining were not observed.</p> <p>@ 5.5 mbg increase in coarser gravel content with some boulders.</p> <p>Coarse gravel and boulders decrease @ 8.2 mbg.</p>								Bentonite Seal
28 29 30 31 32	9	<p>SAND and GRAVEL</p> <p>Brown-grey, silty, medium to coarse SAND with some GRAVEL. Moist, dense, no plasticity and odours and staining were not observed.</p> <p>Coarser cobbles from 10 to 11 mbg and @ 11.6 mbg.</p>								Backfill Sand

Date of Water Level: September 19, 2011 Water Level (from TOC): 16.66 m	Well-Borehole Diameter: 22 cm Well Casing Diameter: 5 cm Well Casing Material: PVC Well Screen Slot Size: 10	Depth of Well (TOC): 20.58 m
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							ppm 0 100 300 500	LEL in % 0 20 60 100			
33	10	<p>silty SAND Brown, silty fine to medium SAND with some gravel. Moist, dense, no plasticity and odours and staining were not observed.</p>							<p>Backfill Sand</p> <p>Bentonite Seal</p> <p>Water Level</p> <p>Well Screen and Filter Sand Pack</p>		
34											
35											
36	11										
37											
38											
39	12										
40											
41											
42											
43	13										
44											
45											
46	14										
47											
48											
49	15										
50		<p>sandy SILT Grey SILT and fine sand with trace gravel. Moist, dense, weak plasticity and odours and staining were not observed.</p> <p>Upper and lower contact depths are approximate.</p>									
51											
52	16										
53											
54											
55											
56	17										
57											
58											
59	18	<p>SAND and GRAVEL Grey-brown, fine to coarse SAND and GRAVEL. Wet, dense, no plasticity and odours and staining were not observed.</p>									
60											
61											
62	19										
63											
64											
65	20	End of Hole									
66											
67											

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