

MONITORING WELL ID: 4KMW11-2



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

Project Name/No.: Watston Lake Airport AEC 4
Client: PWGSC
Engineer/Geologist: [REDACTED]
Drill Date: September 16, 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		
-2										
-1										
0		Ground Surface								
1		SAND and GRAVEL Brown, fine to medium SAND and GRAVEL with trace silt. Damp, loose to dense, no plasticity and odours and staining were not observed.								
2	1	From 2.7 to 3.4 mbg rounded cobbles and boulders to 30 cm diameter with fine to medium sand as matrix as above.								
3										
4	2	From 5.5 to 6.0 mbg cobbles and boulders as from 2.7 to 3.4 mbg.								
5										
6	3									
7										
8	4									
9										
10	5									
11										
12	6									
13										
14	7	silty SAND Brown, silty fine to medium SAND with some gravel. Moist, dense, no plasticity and odours and staining were not observed.								
15										
16	8	SAND and GRAVEL Brown, fine to medium SAND and cobble and boulder GRAVEL. Moist, dense, no plasticity and odours and staining were not observed.								
17										
18	9	SAND Brown-grey, medium SAND with some gravel. Moist, dense, no plasticity and odours and staining were not observed.								
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										
31										
32										

Date of Water Level: September 19, 2011 Water Level (from TOC): 17.27 m	Well-Borehole Diameter: 22 cm Well Casing Diameter: 5 cm Well Casing Material: PVC Well Screen Slot Size: 10	Depth of Well (TOC): 20.5 m
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							ppm 0 100 300 500	LEL in % 0 20 60 100		
33	10									
34										
35										
36	11	SAND and GRAVEL Brown-grey fine to coarse SAND and cobble and boulder GRAVEL. Moist, dense, no plasticity and odours and staining were not observed.								Backfill Sand
37										
38										
39	12	SAND and GRAVEL Grey-brown, medium SAND and GRAVEL with trace fine sand. Moist, dense, no plasticity and odours and staining were not observed.								Bentonite Seal
40										
41										
42										
43	13									
44										
45										
46	14									
47										
48										
49	15	sandy SILT Grey SILT with trace gravel and minor sand. The boundaries of this unit are uncertain. Moist, dense, low plasticity and odours and staining were not observed.								Water Level
50										
51										
52	16									
53										
54										
55										
56	17									
57										
58										
59	18									
60										
61	19	SAND and GRAVEL Grey-brown, medium SAND and GRAVEL with trace fine sand. Moist, dense, no plasticity and odours and staining were not observed.								Well Screen and Filter Sand Pack
62										
63										
64										
65										Native Slough
66	20	End of Hole								
67										

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 Water Level (from TOC): 17.27 m
 Well-Borehole Diameter: 22 cm
 Well Casing Diameter: 5 cm
 Well Casing Material: PVC
 Well Screen Slot Size: 10
 Depth of Well (TOC): 20.5 m