

# MONITORING WELL ID: MW16-14



**Well Type:** Groundwater Monitoring Well  
**Project Location:** Watson Lake Airport - AEC 32, YT  
**Drilling Contractor:** Omega Environmental Drilling Ltd.  
**Drilling Equipment/Method:** Sonic  
**Well Location:** Tank Farm D Area, MW16-F

**Project Name/No.:** [REDACTED]  
**Client:** PWGSC  
**Engineer/Geologist:** [REDACTED]  
**Drill Date:** November 30, 2016 **Page:** 1 of 4

Depth (ft/m)	Symbol	Soil / Sediment Description	Sample Type	% Recovery	Sample Analyzed	Sample ID	Headspace (PID)					Well Construction	Remarks
							0	500	1000	1500	2000		
ft m													
-2													
-1													
0		Ground Surface											
0		<b>SAND and GRAVEL</b> Brown, very fine to medium SAND and fine GRAVEL with some trace silt in areas. Loose, dry, staining and odours not observed.											
1													
2				85	N	MW16-14 (0.5)						0.4	Concrete
3													
4				85	N	MW16-14 (1.0)						0.4	Bentonite
5													
6													
7				85	N	MW16-14 (2.0)						0.7	
8													
9		<b>SAND</b> Brown, very fine to medium SAND with some fine gravel and some to trace silt. Loose, dry, staining and odours not observed.											
10				110	N	MW16-14 (3.0)						0.9	Cuttings and Slough
11													
12													
13				110	N	MW16-14 (4.0)						0.5	

Date of Water Level: November 16, 2016  
 Water Level (from TOC): Dry at 13.488m

Well-Borehole Diameter: 150mm (6")  
 Well Casing Diameter: 50mm (2")  
 Well Casing Material: Schedule 40 PVC  
 Well Screen Slot Size: 10 Slot

Depth of Well (TOC): 13.488m

# MONITORING WELL ID: MW16-14



Well Type: Groundwater Monitoring Well  
 Project Location: Watson Lake Airport - AEC 32, YT  
 Drilling Contractor: Omega Environmental Drilling Ltd.  
 Drilling Equipment/Method: Sonic  
 Well Location: Tank Farm D Area, MW16-F

Project Name/No.: [REDACTED]  
 Client: PWGSC  
 Engineer/Geologist: [REDACTED]  
 Drill Date: November 30, 2016 Page: 2 of 4

Depth (ft/m)	Symbol	Soil / Sediment Description	Sample Type	% Recovery	Sample Analyzed	Sample ID	Headspace (PID)					Well Construction	Remarks
							0	500	1000	1500	2000		
14		<b>SAND</b> Brown, very fine to medium SAND with some fine gravel and some to trace silt. Loose to slightly dense, dry, staining and odours not observed.											
15													
16													
17	5			105	N	MW16-14 (5.0)	7.6						Cuttings and Slough
18		<b>SAND</b> Brown, very fine to medium SAND with some fine gravel and some silt. Slightly dense, dry, staining and odours not observed.											
19													
20	6			115	Y	MW16-14 (6.0)	514.0						
21		<b>SAND</b> Brown, very fine to medium SAND with some silt and some fine gravel. Dense, moist, staining and odours not observed.		115	Y	DUP O							
22													
23	7			115	N	MW16-14 (7.0)	75.0						Slough
24		<b>SAND and GRAVEL</b> Brown, fine to medium SAND and fine GRAVEL. Loose, dry, staining and odours not observed.											
25													
26	8			115	N	MW16-14 (8.0)	54.0						
27													
28		<b>SAND and GRAVEL</b> Brown, fine to medium SAND and fine GRAVEL with trace silt (washed in sections). Loose, moist to wet, staining and odours not observed.											Bentonite
29													
30	9			60	N	MW16-14 (9.0)	2.8						

Date of Water Level: November 16, 2016  
 Water Level (from TOC): Dry at 13.488m

Well-Borehole Diameter: 150mm (6")  
 Well Casing Diameter: 50mm (2")  
 Well Casing Material: Schedule 40 PVC  
 Well Screen Slot Size: 10 Slot

Depth of Well (TOC): 13.488m

# MONITORING WELL ID: MW16-14



Well Type: Groundwater Monitoring Well  
 Project Location: Watson Lake Airport - AEC 32, YT  
 Drilling Contractor: Omega Environmental Drilling Ltd.  
 Drilling Equipment/Method: Sonic  
 Well Location: Tank Farm D Area, MW16-F

Project Name/No.: [REDACTED]  
 Client: PWGSC  
 Engineer/Geologist: [REDACTED]  
 Drill Date: November 30, 2016 Page: 3 of 4

Depth (ft/m)	Symbol	Soil / Sediment Description	Sample Type	% Recovery	Sample Analyzed	Sample ID	Headspace (PID)					Well Construction	Remarks
							0	500	1000	1500	2000		
31	10	<b>SAND and GRAVEL</b> Brown, fine to medium SAND and fine GRAVEL with trace silt (washed in sections). Loose, moist to wet, staining and odours not observed.											
32		<b>SAND and GRAVEL</b> Brown, fine to medium SAND and fine GRAVEL with trace silt. Loose, dry, staining and odours not observed.											
33				60	N	MW16-14 (10.0)	3.3						
34	11	<b>SAND and GRAVEL</b> Brown, fine to medium SAND and fine GRAVEL with trace silt. Slightly dense, moist to wet, staining and odours not observed.											
35													
36				60	Y	MW16-14 (11.0)	21.9						
37	12												
38													
39				140	N	MW16-14 (12.0)	1.2						
40	13	<b>SILT</b> Grey SILT with some fine to medium sand and trace gravel. Dense, dry, staining and odours not observed.											
41													
42				140	N	MW16-14 (13.0)	5.6						
43	14												
44													
45				140	N	MW16-14 (14.0)	6.7						
46													

Date of Water Level: November 16, 2016  
 Water Level (from TOC): Dry at 13.488m

Well-Borehole Diameter: 150mm (6")  
 Well Casing Diameter: 50mm (2")  
 Well Casing Material: Schedule 40 PVC  
 Well Screen Slot Size: 10 Slot

Depth of Well (TOC): 13.488m

# MONITORING WELL ID: MW16-14



Well Type: Groundwater Monitoring Well  
 Project Location: Watson Lake Airport - AEC 32, YT  
 Drilling Contractor: Omega Environmental Drilling Ltd.  
 Drilling Equipment/Method: Sonic  
 Well Location: Tank Farm D Area, MW16-F

Project Name/No.: [REDACTED]  
 Client: PWGSC  
 Engineer/Geologist: [REDACTED]  
 Drill Date: November 30, 2016 Page: 4 of 4

Depth (ft/m)	Symbol	Soil / Sediment Description	Sample Type	% Recovery	Sample Analyzed	Sample ID	Headspace (PID)					Well Construction	Remarks
							0	500	1000	1500	2000		
47	[Symbol]	<b>SILT</b> Grey SILT with some fine to medium sand and trace gravel. Dense, dry, staining and odours not observed.										[REDACTED]	Slough
48	[Symbol]	<b>SAND</b> Fine to coarse SAND seam. Dense, wet, staining and odours not observed.											
49	15			100	Y	MW16-14 (15.0)	19.0						
50	[Symbol]	<b>SAND and GRAVEL</b> Brown, very fine to medium SAND and fine GRAVEL with trace silt. Loose, dry, staining and odours not observed.											
51	[Symbol]												
52	16	Fine to coarse gravel seam at 16.0m.		100	N	MW16-14 (16.0)	23.0						
53	[Symbol]	<b>Silty SAND</b> Brown, silty very fine to fine SAND with some coarse gravel.											
54				100	Y	MW16-14 (16.5)	2.6						
55		End of Hole											
56	17												
57													
58													
59	18												
60													
61													
62	19												
63													

Date of Water Level: November 16, 2016  
 Water Level (from TOC): Dry at 13.488m

Well-Borehole Diameter: 150mm (6")  
 Well Casing Diameter: 50mm (2")  
 Well Casing Material: Schedule 40 PVC  
 Well Screen Slot Size: 10 Slot

Depth of Well (TOC): 13.488m