

MONITORING WELL ID: 4-MW18-7



Well Type: Groundwater Monitoring Well

Project Location: Watson Lake Airport, YT

Drilling Contractor: Ernco Environmental Drilling and Coring Inc

Drilling Equipment/Method: ODEX/Split Spoon

Well Location: AEC 4

Project Name/No.: [REDACTED]

Client: PSPC

Engineer/Geologist: [REDACTED]

Drill Date: August 14 / 15 2018 Page: 1 of 3

Depth (ft/m)	Symbol	Soil / Sediment Description	Sample Type	% Recovery	Sample Analyzed	Sample ID	Headspace (PID)					Well Construction	Remarks
							0	500	1000	1500	2000		
0		Ground Surface TOP SOIL											
1		SILT Brown, SILT with some organics, soft, dry, odours and/or staining not observed.		100	N	4-MW18-7(0.3)		2.8					Stickup
2													Sand
3		SAND and GRAVEL Light brown to grey, very fine to medium SAND with fine to medium GRAVEL and some silt. Dense, dry, odours and/or staining not observed.		75	N	4-MW18-7(1.0)		0.5					
4													
5				75	N	4-MW18-7(1.5)		0.4					
6		Becoming moist at 2.0m											
7				75	N	4-MW18-7(2.1)		0.3					PVC Casing
8													
9													
10				75	N	4-MW18-7(3.0)		0.3					Bentonite
11		Increasing gravel at 3.5m											
12													
13		Cobble at 4.0m		75	N	4-MW18-7(3.8)		0.6					
14		SAND and GRAVEL Brown to grey, fine to coarse SAND and fine to coarse GRAVEL with trace silt. Dense, moist to wet, odours and staining not observed.											
15				75	N	4-MW18-7(4.5)/Dup18-E		0.6					
16													
17				75	N	4-MW18-7(5.2)		0.4					
18													
19													
20		Becoming dark brown to grey at 6.0m		75	N	4-MW18-7(6.0)							

Date of Water Level: August 19, 2018
Water Level (from TOC): 16.33 m

Well-Borehole Diameter: 0.20 m
Well Casing Diameter: 0.05 m
Well Casing Material: Schedule 40 PVC
Well Screen Slot Size: 0.25 mm

Depth of Well (TOC): 18.20 m

MONITORING WELL ID: 4-MW18-7



Well Type: Groundwater Monitoring Well

Project Location: Watson Lake Airport, YT

Drilling Contractor: Ernco Environmental Drilling and Coring Inc

Drilling Equipment/Method: ODEX/Split Spoon

Well Location: AEC 4

Project Name/No.: [REDACTED]

Client: PSPC

Engineer/Geologist: [REDACTED]

Drill Date: August 14 / 15 2018 Page: 2 of 3

Depth (ft/m)	Symbol	Soil / Sediment Description	Sample Type	% Recovery	Sample Analyzed	Sample ID	Headspace (PID)					Well Construction	Remarks
							0	500	1000	1500	2000		
21		SAND and GRAVEL Dark brown to grey, fine to very coarse SAND and fine to medium GRAVEL (rounded). Dense, moist to wet, odours and/or staining not observed.											
22													
23	7	Alternating soft and dense layers starting at 8.0m		100	N	4-MW18-7(7.3)	0.4						
24													
25	8			75	N	4-MW18-7(8.7)	0.4						
26													
27	9	Becoming brown to grey with increasing gravel size at 9.0m		75	N	4-MW18-7(10.3)	0.5						
28													
29	10			75	N	4-MW18-7(11.7)	0.6						
30													
31	11												
32													
33	12	SAND and GRAVEL Brown to grey fine to coarse sand and fine to medium gravel. Loose, dry to moist odours and/or staining not observed.		75	N	4-MW18-7(11.7)	0.6						
34													
35													
36													
37													
38													
39													
40													
41													
42													

Date of Water Level: August 19, 2018
Water Level (from TOC): 16.33 m

Well-Borehole Diameter: 0.20 m
Well Casing Diameter: 0.05 m
Well Casing Material: Schedule 40 PVC
Well Screen Slot Size: 0.25 mm

Depth of Well (TOC): 18.20 m

MONITORING WELL ID: 4-MW18-7



Well Type: Groundwater Monitoring Well
 Project Location: Watson Lake Airport, YT
 Drilling Contractor: Ernco Environmental Drilling and Coring Inc
 Drilling Equipment/Method: ODEX/Split Spoon
 Well Location: AEC 4

Project Name/No.: [REDACTED]
 Client: PSPC
 Engineer/Geologist: [REDACTED]
 Drill Date: August 14 / 15 2018 Page: 3 of 3

Depth (ft/m)	Symbol	Soil / Sediment Description	Sample Type	% Recovery	Sample Analyzed	Sample ID	Headspace (PID)					Well Construction	Remarks
							0	500	1000	1500	2000		
43	[Symbol: Sand and Gravel]	SAND and GRAVEL Brown to grey fine to coarse sand and fine to medium gravel. Loose, dry to moist odours and/or staining not observed.	[Symbol: Sample]	75	N	4-MW18-7(13.3)	0.3					[Symbol: Bentonite]	
44		SAND and GRAVEL Brown to grey, medium to very coarse SAND and fine to coarse GRAVEL (rounded). Loose, moist, odours and/or staining not observed.											
45	[Symbol: Sand and Gravel]	Becoming moist to wet with Increasing gravel size at 15.0m	[Symbol: Sample]	100	N	4-MW18-7(15.0)	0.3					[Symbol: Bentonite]	
46													
47	[Symbol: Sand and Gravel]	Wet at 16.1m	[Symbol: Sample]									[Symbol: Bentonite]	
48													
49	[Symbol: Sand and Gravel]		[Symbol: Sample]									[Symbol: Bentonite]	
50													
51	[Symbol: Sand and Gravel]		[Symbol: Sample]									[Symbol: Bentonite]	
52													
53	[Symbol: Sand and Gravel]		[Symbol: Sample]									[Symbol: Bentonite]	Well Screen and 10/20 Silica Sand
54													
55	[Symbol: Sand and Gravel]		[Symbol: Sample]									[Symbol: Bentonite]	Foam buffer
56													
57	[Symbol: Sand and Gravel]		[Symbol: Sample]									[Symbol: Bentonite]	
58													
59	[Symbol: Sand and Gravel]	End of Hole	[Symbol: Sample]									[Symbol: Bentonite]	Well Screen and 10/20 Silica Sand
60													
61	[Symbol: Sand and Gravel]		[Symbol: Sample]									[Symbol: Bentonite]	
62													
63	[Symbol: Sand and Gravel]		[Symbol: Sample]									[Symbol: Bentonite]	
64													

Date of Water Level: August 19, 2018	Well-Borehole Diameter: 0.20 m	Depth of Well (TOC): 18.20 m
Water Level (from TOC): 16.33 m	Well Casing Diameter: 0.05 m	
	Well Casing Material: Schedule 40 PVC	
	Well Screen Slot Size: 0.25 mm	