

MONITORING WELL ID: AEC32-MW17-27



Well Type: Groundwater monitoring Well

Project Location: AEC32

Drilling Contractor: Omega Environmental Drilling Ltd.

Drilling Equipment/Method: Sonic

Well Location: AEC 32

Project Name/No.: [REDACTED]

Client: PSPC

Engineer/Geologist: [REDACTED]

Drill Date: July 11, 2017

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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											
0.3		SAND Dark brown, medium to coarse grained SAND, some organics. Loose, moist, low odours, staining not observed.	G	100	N	MW17-27 (0.4)	0.3						
2.7		SAND Brown to grey, fine to coarse grained SAND, trace fine to medium gravel (rounded), trace silt, trace rootlets. Loose, moist, staining and/or odours not observed. Increasing silt at 1.0m	G	95	N	MW17-27 (1.2)	2.7						
0.8			G	95	N	MW17-27 (1.7)	0.8						
0.8		Gravel coarse at 2.4m	G	105	N	MW17-27 (2.4)	0.8						
0.0		Brown mottling at 2.7m					0.0						
0.0		Trace cobbles at 3.4m	G	105	N	MW17-27 (3.6)	0.0						
0.1		Increasing silt at 3.8m	G	105	N	MW17-27 (4.6)	0.1						
0.4			G	105	N	MW17-27 (5.5)	0.4						
0.5			G	105	N	MW17-27 (6.1)	0.5						

Date of Water Level: N/A	Well-Borehole Diameter: 150 mm (6")	Depth of Well (TOC): N/A
Water Level (from TOC): N/A	Well Casing Diameter: N/A	
	Well Casing Material: N/A	
	Well Screen Slot Size: N/A	

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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		Sandy SILT Brown, sandy fine grained sand SILT, some fine to coarse grained gravel. Medium stiff, moist, staining and/or odours not observed.											
22													
23	7	Grey with trace cobbles at 7.3m	G	105	N	MW17-27 (7.0)		0.9					
24													
25													
26	8		G	105	N	MW17-27 (7.9) / MW17-W		16.3					
27													
28		Gravelly SILT Grey with brown mottling, fine to medium grained gravelly SILT(till), massive. Stiff, moist, staining and/or odours not observed.	G	105	N	MW17-27 (8.5)		0.0					
29													
30	9												
31			G	150	N	MW17-27 (9.5)		0.2					
32													
33	10		G	150	Y	MW17-27 (10.3)		0.2					
34		Grey with medium to coarse sand at 10.4m											
35													
36	11		G	150	N	MW17-27 (11.0)		0.0					
37		Very stiff at 11.3m											
38			G	150	N	MW17-27 (11.7)		0.1					
39	12												
40													
41													
42													
43	13		G										

Date of Water Level: N/A
Water Level (from TOC): N/A

Well-Borehole Diameter: 150 mm (6")
Well Casing Diameter: N/A
Well Casing Material: N/A
Well Screen Slot Size: N/A

Depth of Well (TOC): N/A

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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		Gravelly SILT Grey with brown mottling, fine to medium grained gravelly SILT(till), massive. Stiff, moist, staining and/or odours not observed.	G	150	Y	MW17-27 (13.1)	0.3						
44													
45		Sandy SILT Brown, fine to coarse grained sandy SILT, some fine to medium gravel (rounded), Dense, moist, staining and/or odours not observed.					0.0						
46													
47		SILT Dark grey, SILT (till), trace fine to large gravel (rounded), massive, trace coarse sand. Very dense, dry to moist, staining and/or odours not observed.	G	150	N	MW17-27 (14.0)							
48													
49		SILT Dark grey, SILT (till), trace fine to large gravel (rounded), massive, trace coarse sand. Very dense, dry to moist, staining and/or odours not observed.	G	130	N	MW17-27 (14.8)	1.4						
50													
51													
52													
53													
54													
55		SILT Light grey, SILT, some medium to coarse sand, some fine to medium gravel. Hard, dry, staining and/or odours not observed.	G	130	N	MW17-27 (15.8)	1.1						
56													
57													
58													
59		SAND and GRAVEL Brown, fine to coarse grained SAND and GRAVEL, trace silt. Loose, dry to moist, staining and/or odours not observed.	G	75	N	MW17-27 (17.0)	4.7						
60													
61													
62													
63		SAND Brown, fine to coarse grained SAND. Loose, moist to wet, staining and/or odours not observed.	G	75	N	MW17-27 (18.0)	2.5						
64													
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Date of Water Level: N/A	Well-Borehole Diameter: 150 mm (6")	Depth of Well (TOC): N/A
Water Level (from TOC): N/A	Well Casing Diameter: N/A	
	Well Casing Material: N/A	
	Well Screen Slot Size: N/A	

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Depth (ft/m)	Symbol	Soil / Sediment Description	Sample Type	% Recovery	Sample Analyzed	Sample ID	Headspace (PID)					Well Construction	Remarks
							0	500	1000	1500	2000		
65	20	Sandy SILT Brown, fine to medium grained sandy SILT, some fine to medium gravel. Soft, moist, staining and/or odours not observed.	G	75	N	MW17-27 (20.1)	4.2						
66													
67	21	SAND and GRAVEL Brown, fine to coarse grained SAND and GRAVEL, some silt, trace cobbles. Loose, moist, staining and/or odours not observed.	G	85	N	MW17-27 (20.9)	0.6						
68													
69	22	SAND Brown, fine to coarse grained SAND, some fine to medium gravel (rounded), Loose, moist, staining and/or odours not observed.	G	85	N	MW17-27 (21.9)	0.5						
70													
71	23	SAND Grey, fine to coarse grained SAND, trace fine gravel, trace silt. Loose, moist, staining and/or odours not observed.	G	85	N	MW17-27 (22.7)	0.8						
72													
73	24	Gravelly SAND Grey, fine to medium gravelly medium to coarse grained SAND. Loose, wet, staining and/or odours not observed.	G	65	N	MW17-27 (23.6)	0.4						Bentonite
74													
75	25		G	65	Y	MW17-27 (25.2)	0.5						
76													
77	26		G	65	N	MW17-27 (26.2)	0.9						
78													
79													
80													
81													
82													
83													
84													
85													
86													

Date of Water Level: N/A
Water Level (from TOC): N/A

Well-Borehole Diameter: 150 mm (6")
Well Casing Diameter: N/A
Well Casing Material: N/A
Well Screen Slot Size: N/A

Depth of Well (TOC): N/A

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Depth (ft/m)	Symbol	Soil / Sediment Description	Sample Type	% Recovery	Sample Analyzed	Sample ID	Headspace (PID)					Well Construction	Remarks	
							0	500	1000	1500	2000			
87	27	SILT Grey with brown mottling, SILT, trace fine to coarse sand, trace fine to medium gravel, massive. Medium stiff, moist, staining and/or odours not observed.	G	150	N	MW17-27 (26.8)	0.2					[REDACTED]		
88														
89														
90														
91			G	150	N	MW17-27 (27.7)	0.5							
92														
93			G	150	N	MW17-27 (28.5)	0.5							
94														
95														
96				Very stiff at 29.3m	G	150	N	MW17-27 (29.3)	0.5					
97														
98		Trace very large gravel at 30.1m												
99			G	150	N	MW17-27 (30.3)	0.0							
100		Trace cobbles at 30.5m												
101			G	150	N	MW17-27 (31.1)	0.0							
102														
103														
104		Weathered rock at 31.7m												
105			G	145	N	MW17-27 (32.3)	0.0							
106														
107			G	145	N	MW17-27 (32.9)	0.8							
108														

Date of Water Level: N/A
Water Level (from TOC): N/A

Well-Borehole Diameter: 150 mm (6")
Well Casing Diameter: N/A
Well Casing Material: N/A
Well Screen Slot Size: N/A

Depth of Well (TOC): N/A

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							0	500	1000	1500		
09												
10												
11												
12	34											
13			G	145	N	MW17-27 (34.4)					0.6	
14												
15	35	Becoming wet at 35.0m										
16			G	145	N	MW17-27 (35.2)					1.0	
17												
18	36											
19			G	150	Y	MW17-27 (36.3)					0.9	
20												
21	37											
22			G	150	N	MW17-27 (37.2)					0.7	
23												
24	38	Brown weathered rock at 38.0 m										
25												
26			G	150	N	MW17-27 (38.4)					0.5	
27		End of Hole										
28	39											
29												
30												

10/20 silica sand and well screen

Date of Water Level: N/A	Well-Borehole Diameter: 150 mm (6")	Depth of Well (TOC): N/A
Water Level (from TOC): N/A	Well Casing Diameter: N/A	
	Well Casing Material: N/A	
	Well Screen Slot Size: N/A	