

Tables



Table 1: Summary of Vertical Hydraulic Gradients

Monitors (deep/shallow)	Vertical Hydraulic Gradients				
	Apr. 26/05	May 21/08	Apr. 26/10	Jan. 19/11	Apr. 27/11
W42-1/W42-2	↓	↓	↓	↓	↓
W44-1/W44-3	↓	↓	↓	↓	↓
W46-1/W46-2	↓	↓	↓	↓	↓
W48-1/W48-2	↓	↓	↓	↓	↓
W50-1/W50-2	↓	↓	↓	↓	↓
W53-1/W53-2	↓	↓	↓	↓	↓
W54-1/W54-2	↓	↓	↓	↓	↓
W55-1/W55-2	↓	n.m.	n.m.	↓	n.m.
W56-1/W56-2	↓	↓	↓	↓	↓
W57-1/W57-2	↑	↓	↓	↓	↓
W59-1/W59-2	↓	↓	↓	↓	↓
W60-1/W60-2	↑	↓	↓	↑	↓
W62-1/W62-2	↓	↓	↓	↓	↑
W65-1R/W65-2	↓	↓	↓	↓	↓
W67-1/W67-2	↑	↓	↓	↓	↓
W73-1/W73-2	n.a.	n.m.	n.m.	↓	↓
W76-1/W76-2	n.a.	no vertical gradient	no vertical gradient	↓	↓
W77-1/W77-2	n.a.	↓	↑	↓	↑
W78-1/W78-2	n.a.	n.m.	n.m.	↓	↓
W88-1/W88-2 ¹	n.a.	n.a.	n.a.	n.a.	↑
W89-1/W89-2 ¹	n.a.	n.a.	n.a.	n.a.	↑
W90-1/W90-2 ¹	n.a.	n.a.	n.a.	n.a.	↑
W91-1/W91-2 ¹	n.a.	n.a.	n.a.	n.a.	↓

n.m. - denotes water levels not measured.

n.a. - denotes data not available (monitoring wells not yet installed).

1 - water levels in these monitoring wells may not have equilibrated following drilling at time of measurement.

Table 2 - Summary of Hydraulic Testing Results

(a) Slug Test Results		
Borehole	Area	Hydraulic Conductivity (m/s)
W57-2	Existing Landfill	1.6E-05
W58		2.3E-05
W59-2		4.0E-06
W61		9.1E-06
W66		>2.8E-04
W67-2		>2.8E-04
W68		>2.8E-04
W69		1.9E-04
W70		6.7E-06
W72		1.6E-04
W73-1	Existing Landfill; downgradient	6.5E-06
W73-2		4.7E-06
W75-2		1.4E-05
W76-2		1.2E-05
W84		9.5E-06
W85		8.9E-06
W86		1.4E-05
W86-2	Existing Landfill; North Envelope	5.2E-05
W87-2		7.1E-06
W63		3.6E-05
W64		>2.8E-04
W65-2		>2.8E-04
W73-2	North Envelope	>1.0E-03
W75		2.4E-04
W76-2		>1.0E-03
W74	West Envelope	1.9E-05
W77-2		3.3E-04
W78-2		3.1E-04
W88-2		1.4E-05
W89-2		>1.0E-03
W90-2		>1.0E-03
W91-2		2.7E-05

(b) Packer Test Results

Borehole	Area	Mid-Packer Depth below Bedrock Surface (m)									
		Hydraulic Conductivity (m/s)									
W57-1	Existing Landfill	2.7	5.5	8.0	10.5	13.0					
W59-1	Existing Landfill	1.5	4.1	6.5	8.9	11.3	13.7				
W60-1	Existing Landfill; North Envelope	7.8E-07	<1.0E-11	6.9E-08	3.5E-10	1.0E-07	4.3E-07				
W62-1	Existing Landfill; North Envelope	1.3	3.8	6.4	8.9	11.6	13.9				
W62-1	Existing Landfill; North Envelope	1.1E-06	3.7E-10	8.4E-09	8.1E-10	1.9E-07	9.7E-08				
W65-1	Existing Landfill; North Envelope	1.6	3.3	6.1	8.3	10.6	12.9				
W65-1	Existing Landfill; North Envelope	4.0E-07	1.9E-08	2.6E-08	<1.0E-11	9.7E-07	<1.0E-11				
W73-1	North Footprint	1.2	3.6	6.1	8.5	11					
W73-1	North Footprint	4.8E-09	2.1E-11	4.1E-07	1.3E-09	1.1E-08					
W76-1	North Footprint	4.0	6.0	8.0	10.0	12.0					
W76-1	North Footprint	2.8E-08	4.4E-08	6.9E-09	5.5E-10	3.6E-08					
W77-1	West Footprint	3.0	4.2	6.2	8.2						
W77-1	West Footprint	2.0E-06	1.3E-06	1.1E-06	1.2E-06						
W77-1	West Footprint	4.1	6.1	8.1	10.1						
W78-1	West Footprint	5.1E-07	1.8E-11	4.2E-07	2.4E-07						
W78-1	West Footprint	2.9	4.3	6.3	8.3	10.3	12.3				
W88-1	West Footprint	9.2E-07	8.0E-07	2.9E-07	5.8E-07	8.9E-07	8.8E-07				
W89-1	West Footprint	0.3	1.4	2.6	4.8	7.0	9.2				
W89-1	West Footprint	3.3E-06	8.4E-06	7.6E-06	3.9E-06	3.4E-06	4.1E-06				
W90-1	West Footprint	0.7	1.6	2.8	5.0	7.2	9.4				
W90-1	West Footprint	4.6E-05	3.9E-05	2.7E-05	2.8E-06	3.6E-06	2.6E-06				
W91-1	West Footprint	2.4	3.7	5.4	7.6	9.8	12.0				
W91-1	West Footprint	5.0E-05	3.4E-05	2.7E-06	2.9E-06	2.7E-06	1.9E-06				
W91-1	West Footprint	2.4	3.7	5.4	7.6	9.8	12.0				
W91-1	West Footprint	8.4E-07	8.5E-07	5.2E-07	3.2E-07	1.3E-05	5.8E-06				