

**Table I-1
W12A Landfill : Water Levels in Upper Aquifer (masl)**

DATE	MONITORING WELL NUMBER																																				
	PUC-71	13-1a	76-2	04-2a	13-3a	82-6	82-9	01-9a	84-5b	91-4a	92-1	92-2	92-3	92-4	92-6	04-6a	04-6a	92-7	92-7	92-11	94-1	94-3	01-12b	01-14	05-1	05-2	05-3	05-4	05-5	06-1	06-2						
Top of Pipe	281.26	274.45	269.84	269.96	275.62	284.10	274.43	274.47	278.26	275.48	272.43	275.49	275.09	273.53	271.13	271.41	271.28		272.85	272.89	279.80	281.18	275.82	275.18	282.34	264.42	265.18	268.11	270.63	271.29	272.85	275.70					
Jun/88			257.89		258.20	258.34			257.16																												
Oct/88		257.26	257.89		258.10	258.24	257.46		257.16																												
Feb/89		257.10	256.03			258.09	257.58		258.13																												
Jun/89		257.29			260.57				258.44																												
Oct/89		257.29	256.00		259.96	258.09	257.73		259.20																												
Feb/90		257.59	256.46						258.44																												
Jun/90		257.29	256.00		259.96	258.09	257.73		257.16																												
Jun/91		257.68	257.83		258.07	257.88	257.70		258.04																												
Oct/91		257.38	257.83		257.71	257.82	257.27		258.26																												
Feb/92		257.68	257.83		258.07				258.04																												
Jun/92		257.77	257.92		258.13	257.94	257.70		258.07	258.19																											
Sep/92											258.55	258.81	259.68	258.30	258.29				258.09	258.09																	
Nov/92		257.68	257.80		258.07	257.94	257.67		258.44	258.13											258.17																
Feb/93		257.74			258.01	257.94	257.67		257.98	258.07																											
Jun/93		257.90	258.04		258.23	258.49	257.88		258.20	258.19																											
Oct/93		257.93	258.04		258.23	257.97	257.70		258.07	258.13																											
Dec/93																																					
Feb/94		257.62	257.83		258.01	257.88	257.55		257.92	258.31																											
Oct/94		257.62	258.01		258.16	258.00	257.79		258.07	258.19																											
Nov/94																					257.90	257.68															
Feb/95		257.62	258.01		258.16	257.94	257.79		258.07	258.19																											
Jun/95		257.62	258.01		258.16	257.94	257.79		258.07	258.19																											
Oct/95		257.62	258.07		258.16	258.00	257.79		258.07	258.19											257.87	258.04	257.73														
Jun/96		257.62	258.19		258.26	258.06	257.79		258.19	258.31												258.10															
Oct/96		257.44	258.25		258.87	258.12	257.79		258.19	258.31											258.33	258.10	257.91														
Jun/97		257.66	258.10		258.29	258.24	257.85		258.32	258.25											258.27	258.38	258.12														
Oct/97		257.66	258.10		258.29	258.21	257.88		258.32	258.25											258.27	258.38	258.12														
Apr/98		257.72	258.13		258.23	258.18	257.91		258.25	258.13											258.14	258.32	257.97														
Jun/98		257.78	258.16		258.32	258.06	258.00		258.35	258.16											258.45	258.35	258.09														
Oct/98		258.05	258.22		258.13	258.06	258.00		258.35	258.16											258.66		258.09														
Apr/99		257.62	257.95		258.13	257.94	257.73		258.10	258.31											258.69	257.98	257.79														
Jun/99		257.75	258.13		258.29	257.78	257.88		258.22	258.07											257.96	257.98	258.03														
Oct/99		257.84	258.01		258.20	257.88	257.60		258.13	257.94											257.78	257.86	257.64														
Apr/00		257.74	257.92		258.13	257.88	257.87		258.08	258.38	258.65	259.16	259.07	258.52	258.36				258.81	258.81	258.06	258.00	257.68														
Jul/00		257.91	258.06		258.27	258.29	257.86		258.25	258.47		259.23	259.07	258.61	258.39				258.84	258.84	258.33	258.13	257.91														
Sep/00		258.30	258.08		258.89	258.26	258.04		258.32	258.55		259.09	259.01	258.25	258.04				258.75	258.79	258.33																
Dec/00		258.15	257.95		258.77	258.13	257.88		258.22	258.49		259.17	259.09	258.84	258.27				258.81	258.85	258.19	257.95	257.76														
May/01		257.91	258.03		258.26	257.75	257.78		258.23	258.58											258.16	258.17	257.93														
Jun/01		258.20	258.13		258.64	258.30	257.96		258.26	258.49				257.79							258.42	258.11	257.84														
Oct/01		258.14	258.01		258.82	258.18	257.96		258.24	258.51											258.19	257.99	257.78														
Dec/01	257.74	258.31	258.12		258.90	258.27		257.86	258.33	258.56	258.81	259.15	259.07	258.70	258.43				258.80	258.84	258.34	258.11	257.88	259.90	258.72												
Apr/02		258.26	258.07		258.87	258.22		257.91	258.28	258.54	258.77	259.18	259.27	258.63	258.40				258.83	258.87	258.53	258.26	257.99	259.63	258.55												
Jun/02		258.27	258.01		258.80	258.18		257.89	258.28	258.55		259.27	259.34	258.64	258.40				258.91	258.95	258.48	258.22	259.91	258.55													
Oct/02		258.38	258.22		258.79	258.24		257.90	258.29	258.57		259.13	259.12	258.63	258.39				258.79	258.83	258.24	257.91	257.85	259.61	258.53												
May/03		258.14	258.14		258.91	258.27		257.83	258.35	258.61		259.24	259.59	259.07	258.50				258.87	258.90	258.69	258.17															

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W12A Landfill : Water Levels in Upper Aquifer (masl)**

DATE	MONITORING WELL NUMBER																																
	PUC-71	13-1a	76-2	04-2a	13-3a	82-6	82-9	01-9a	84-5b	91-4a	92-1	92-2	92-3	92-4	92-6	04-6a	04-6a	92-7	92-7	92-11	94-1	94-3	01-12b	01-14	05-1	05-2	05-3	05-4	05-5	06-1	06-2		
Top of Pipe	281.26	274.45	269.84	269.96	275.62	284.10	274.43	274.47	278.26	275.48	272.43	275.49	275.09	273.53	271.13	271.41	271.28	272.85	272.89	279.80	281.18	275.82	275.18	282.34	264.42	265.18	268.11	270.63	271.29	272.85	275.70		
Apr/05		258.36		258.22	258.95	258.39		257.99	258.42	258.71	258.92	259.29	261.02	258.63	258.51	258.62	258.62	258.94	258.98	258.54	258.37	258.08	259.93	258.68									
May/05		258.35		258.22	258.92	258.21		257.96	258.29	258.61																							
Jun/05		258.32		258.25	258.97	258.30		257.91	258.35	258.63	258.97	259.32	260.09	258.71	258.50	258.61	258.61	258.93	258.96	258.50	258.22	257.92	259.92	258.69									
Oct/05		258.30		258.23	258.93	258.30		257.86	258.34	258.64					258.52	258.64	258.64	258.93	258.96	258.37	258.12	257.84	259.78	258.68		256.85	257.10	257.48	258.72	258.25			
Nov/05		258.47		258.39				257.98			258.96	259.34	259.95	258.70		258.66	258.66	258.95	258.99	258.37	258.12	257.84	259.78	258.68		256.85	257.10	257.48	258.72	258.25			
Apr/06		258.36		258.30	258.87	258.43		257.98	258.38	258.67	259.02	259.32	259.95	258.75		258.60	258.60	259.27	259.31	258.67	258.37	258.07	260.06	258.71	257.09	257.26	257.59	258.68	258.45				
Jun/06		258.35		258.27	259.00	258.38		257.95	258.14	258.47	258.53	259.13	259.17	258.72		258.63	258.63	258.62	258.66	258.59	258.32	257.90	260.03	258.62	257.03	257.21	257.58	258.67	258.36				
Oct/06		258.46		258.44	258.95	258.38		257.91	258.44	258.75	259.11	259.41	259.90	258.82		258.84	258.84	259.05	259.09	258.71	258.51	257.96	260.21	258.73				258.72	258.70	258.11			
Apr/07		258.41		258.32	258.98	258.35		258.21	258.60	258.86	258.80	259.05	259.72	258.80		258.65	258.65	271.27		258.81	258.53	258.33	260.26	258.72				258.82	258.48	258.30	258.52		
Jun/07		258.45		258.38	259.15	258.43		258.09	258.60	258.94	259.11	259.41	259.72	258.80		258.69	258.69	271.03		258.82	258.43	258.17	260.27	258.80	256.97	257.23	257.67	258.75	258.57	258.19	258.42		
Aug/07		258.42		258.31	258.95	258.38		257.98		258.74										258.50	258.30	258.04							258.01	258.59			
Oct/07		258.62		258.25	259.02	258.42		258.01	258.38	258.90	259.02	259.35	259.70	258.80		258.65	258.65	261.66		258.53	258.30	258.14	260.28	258.87	256.70	257.03	257.51	258.72	258.53	258.00	258.24		
Apr/08		258.45		258.34	258.99	258.34		258.07	258.40	258.80	259.13	259.04	259.71	258.82		258.61	258.61	268.01		258.71	258.40	258.11	260.13	258.83	257.18	257.38	257.77	258.73	258.56	258.11	258.37		
Jun/08		258.45		258.28	258.98	258.57		257.93	258.75	258.78	259.05	259.43	259.72	258.72		258.70	258.70	264.14		258.63	258.42	258.00	260.09	258.83	256.95	257.21	257.66	258.79	258.55	258.14	258.37		
Oct/08		258.32		258.25	258.95	258.35		257.46	258.40	258.74	259.02	259.45	259.63	258.71		258.44	258.44	272.85		258.47	258.32	257.94	259.88	258.79	256.82	256.68	257.54	258.61	258.01	258.07	257.97		
Apr/09		258.61		258.91	258.60	258.86		258.25	259.64	258.80	259.16	259.55	259.56	258.83		261.95	259.89	259.89	259.89	259.08	258.82	258.09	260.41	259.05	257.41	257.60	257.97	259.00	258.36	258.49	258.58		
Jun/09		258.06		258.90	259.10	259.01		258.14	258.44	258.92	259.27	259.25	259.68	258.41		258.38	258.38	258.14	258.14	260.39	258.65	258.69	260.37	258.93	257.38	257.52	257.88	258.71	258.64	258.34	258.44		
Oct/09		258.40		258.40	259.38	258.18		258.08	258.54	258.89	259.17	259.54	259.49	258.79		259.32	259.32	259.39	259.39	260.84	258.52	258.19	258.73	258.87	257.09	257.33	257.74	258.80	258.72	257.89	258.50		
Apr/10		258.87		258.56	258.77	258.24		257.60	258.50	258.52	259.32	259.65	259.09	258.98		258.90	258.90	262.87	262.87	258.99	258.21	258.34	260.42	258.97	257.48	257.66	257.96	258.81	258.41	258.97	258.56		
Jun/10		258.40		258.49	259.07	258.56		258.07	258.58	258.96	259.21	259.55	259.64	258.85		258.75	258.75	262.87	262.87	258.93	258.67	258.36	260.36	258.94	257.13	257.41	257.79	258.84	258.61	258.43	258.63		
Oct/10		258.53		258.45	259.16	258.52		258.05	258.57	258.94	259.42	259.63	260.02	259.02		258.98	258.98	262.98	262.98	258.75	258.46	258.10	260.14	259.03	256.94	257.28	257.72	259.09	258.84	258.15	258.46		
Apr/11		258.64		258.54	259.22	259.93		258.33	259.32	259.39	260.00	259.39	259.81	258.98		258.88	258.88	263.60	263.60	259.10	258.73	258.26	260.73	260.65	258.02	258.11	258.29	259.60	258.76	259.18	258.81		
Jun/11		258.45		258.45	259.15	258.61		257.63	258.64	258.99	259.23	259.58	259.68	258.84		258.75	258.75	262.87	262.87	260.21	258.76	258.39	260.51	259.03	257.42	257.70	258.00	258.93	258.74	258.47	258.66		
Oct/11		258.72		258.46	259.11	258.89		258.40	258.66	259.01	259.27	259.56	261.34	258.88		258.81	258.81	271.51		259.05	258.69	258.54	260.39	259.12	257.47	257.58	257.86	258.90	258.67	259.03	258.79		
Apr/12		258.72		258.56	259.03	258.64		258.37	258.56	258.95	259.38	259.66	260.26	258.97		258.92	258.92	265.54	265.54	259.16	258.87	258.50	260.66	259.29	257.23	257.53	258.02	258.99	258.76	258.60	258.82		
Jun/12		258.26		258.46	259.21			258.20	258.71	259.08	259.28	259.66	260.70	258.88		258.85	258.85	270.87		259.10	258.87	258.33	260.66	259.12	257.35	257.54	257.91	258.97	258.74	258.43	258.62		
Oct/12		258.64		258.57	259.22			258.15	258.74	259.06	259.21	259.56	260.70	258.84		258.96	258.96	271.37		259.15	258.55	258.17	260.34	259.15	256.92	257.24	257.76	258.07	258.82	258.22	258.47		
Apr/13		258.43		258.48	259.24			258.09	258.74	259.02	259.34	259.65	260.93	258.96		258.96	258.96	271.79		259.02	258.78	258.27	260.40	259.03	257.23	257.64	257.99	258.06	258.82	258.46	258.70		
Jun/13		258.56		258.49	259.11			258.22	258.60	258.98	259.38	259.72	259.88	258.99		258.95	258.95	271.50		259.07	258.72	258.37	260.84	259.13	257.58	257.66	258.00	259.04	258.80	258.43	258.66		
Oct/13		258.08		258.38	259.22			258.09	258.70	259.04	259.25	259.09	260.22	258.86		258.85	258.85	271.69		258.93	258.59	258.22	260.31	259.21	257.33	257.53	257.94	258.94	258.70	258.27	258.54		
Apr/14		258.08		258.53	258.66	258.76		258.13	258.80	259.05	259.51	259.77	260.48	259.12		258.87	258.87	271.64		259.23	258.75	258.34	260.53	259.21	257.39	257.59	257.99	259.00	258.77	259.97	258.89		
Jun/14		258.25		258.52	258.67	258.80		258.31	258.75	259.09	259.47	259.78	260.12	259.06		258.94	258.94	271.19		259.32	258.96	258.51	260.59	259.23	257.26	257.52	257.99	259.04	258.82	258.61	258.88		
Oct/14		258.32		258.54	258.72	258.86		258.34	258.16	258.79						259.20	258.85	258.50	260.65	259.34	257.32	257.59	257.97	259.12	258.90	258.56	258.79						
Apr/15		258.21		258.57	258.70	258.81		258.06	258.74	259.06	259.48	259.58	261.21	259.06		258.98	270.22	271.79		259.46	258.82	258.49	260.80	259.34	257.61	257.69	258.06	259.11	258.93	258.54	258.78		
Jun/15		258.32		258.60	258.71	258.89		257.56	258.75	259.14	259.50	259.82	260.92	259.10		259.02		271.57		259.23	258.88	258.26	260.67	259.31	257.31	257.64	258.06	259.14	258.90	258.50	258.71		
Oct/15		258.23		258.54	258.70	258.89		258.21	258.89	259.07	259.36	259.78	260.04	258.96		258.91		270.91		259.05	258.72	258.30	260.49	259.15	256.92	257.28	257.70	258.99	258.77	258.37	258.62		
Apr/16		258.26		258.39	258.94	258.93		258.31	258.61	258.53	259.41	259.74	260.32	259.31		259.10		262.78		259.29	258.93	258.68	260.57	259.16									

**TABLE I-2
W12A Landfill : Water Levels in White Oaks Aquifer (masl)**

DATE	MONITORING WELL NUMBER									WATER WELL NUMBER				
	72-101a	92-8	92-9	92-10	92-12	01-12a	94-2	01-3a	01-13	4	8	14	28	29
Top of Pipe	278.41	270.23	282.04	278.99	275.14	275.25	281.18	275.94	283.10	279.70	283.28	273.98	275.61	274.29
Sep/92		249.51	253.26	253.03	253.42							252.90		
Dec/93		250.67	254.39	254.06	254.04									
Feb/94		249.94	253.84	253.27	253.98									
Nov/94							253.94							
Jun/95		248.66	253.84		254.10									
Oct/95				254.17				254.26						
Jun/96		250.00	253.84	254.17	254.22			254.26						
Jun/97		250.91	255.15	255.67	255.68			255.54						
Jun/98		251.13	255.79	255.97	255.96			255.84						
Jun/99		250.49	255.33	255.36	255.32			255.17						
Apr/00		250.35	254.91	255.00	255.00			254.87						
Jul/00		250.50	255.16	255.31	255.35			255.22						
Sep/00		250.52	255.43	255.38	255.38									
Dec/00		250.43	255.22	255.20	255.20			255.04						
Jun/01		250.79	255.64	255.61	255.62			255.42						
Sep/01										255.34	255.48			
Oct/01													255.53	255.31
Nov/01				255.39	255.41	255.42			255.33					
Dec/01	255.32	250.69	255.54	255.48	255.50	255.68	255.35	255.23	255.39					
Apr/02	255.72	250.91	255.83	255.92	255.94	255.94	255.77	255.70	255.87					
Jun/02		251.00	255.89	255.95	255.99	255.99	255.82	255.73	255.88	255.73			255.98	255.85
Oct/02			255.74	255.71	255.71	255.72	255.50	255.55	255.65					
May/03	255.51		255.71	255.85	255.74	255.74	255.59	255.54	255.66					
Jul/03	255.50		255.84	255.72	255.80	255.80	255.57	255.61	255.65					
Oct/03	255.33	250.89	255.58	255.55	255.55	255.55	255.45	255.38	255.49					
Apr/04		251.06	256.07	256.08	256.12	256.11	255.96	255.88	256.00					
Jul/04	255.99	251.15	256.20	256.22	256.32	256.33	256.10	256.04	256.26					
Oct/04	255.83	251.15	256.04	256.04	256.04	256.06	255.88	255.81	255.98					
Apr/05	256.25	251.42	256.44	256.54	256.57	256.57	256.38	256.26	256.46					
Jun/05	256.22	251.44	256.51	256.48	256.48	256.48	256.31	256.23	256.42					
Oct/05		251.37	256.36	255.97	256.28	256.28	256.13	256.05	256.22					
Apr/06		251.74	256.97	256.74	256.76	256.75	256.59	256.50	256.67					
Jun/06		251.66	256.57	256.62	256.59	256.63	256.51	256.34	256.52					
Oct/06		251.83	256.62	256.83	256.83	256.84	256.70	256.39	256.77					
Apr/07		252.18	257.30	256.65	257.47	257.46	257.26	257.28	256.64					
Jun/07		252.22	257.44	257.44	257.44	257.45	257.23	256.90	257.36					
Oct/07		252.10	257.38	256.83	257.49	257.42	256.90	256.93	257.23					
Apr/08		252.25	256.74	256.44	257.79	257.78	257.57	257.47	257.69					
Jun/08		252.35	257.54	257.25	257.68	257.70	257.53	256.89	257.60					
Oct/08		252.08	257.48	257.45	257.46	257.38	256.88	257.13	257.32					
Apr/09		252.81	258.34	258.35	258.52	258.52	257.83	257.68	258.25					
Jun/09		251.07	258.84	258.04	257.89	258.08	257.95	257.92	258.07					
Oct/09		251.44	258.14	257.99	256.80	258.41	257.81	258.60	258.33					
Apr/10		252.98	253.38	258.33	259.56	258.37	258.56	258.39	258.30					
Jun/10		253.01	258.31	258.36	258.38	258.38	258.20	258.12	258.28					
Oct/10		252.94	258.05	257.69	257.99	258.00	257.86	258.63	257.93					
Apr/11		253.72	258.48	258.51	258.53	258.64	258.41	258.94	258.75					
Jun/11		253.79	258.32	258.87	258.89	258.87	257.22	258.54	258.72					
Oct/11		253.24	258.59	258.73	258.70	258.64	258.80	258.41	258.64					
Apr/12		253.55	259.15	259.08	259.06	259.08	258.89	260.01	259.02					
Jun/12		253.51	258.24	258.90	258.84	258.90	258.68	258.08	258.84					
Oct/12		253.28	260.02	258.45	258.44	258.45	258.29	258.13	258.41					
Apr/13		253.28	258.71	258.91	258.95	258.95	258.88	258.66	258.82					
Jun/13		253.46	258.95	259.00	259.02	259.00	258.88	258.72	258.94					
Oct/13		253.26	258.85	258.85	258.78	258.78	258.66	258.50	258.79				258.13	
Apr/14		253.53	259.16	259.19	259.21	259.21	259.01	258.79	259.12				258.40	
Jun/14		253.64	259.23	259.28	259.23	259.24	259.02	258.92	259.22				258.62	
Oct/14		253.59	259.18	259.11	259.09	259.10	258.95	258.83	259.04				258.40	
Apr/15		253.45	259.13	259.15	259.16	259.09	258.98	258.78	259.07				258.41	
Jun/15		253.57	258.98	259.06	259.04	259.05	258.66		258.99				258.37	
Oct/15		253.33	258.78	258.91	258.82	258.86	258.58	258.51	258.73				258.20	
Apr/16		253.40	258.90	259.03	259.04	259.03	259.02	258.75	258.90				256.97	
Jun/16		253.49	259.00	259.06	259.08	259.10	258.85	258.78	258.98				258.63	
Oct/16		253.31	258.73	258.72	258.68	258.67	258.23	258.65	257.93				258.73	
Apr/17		253.46	258.79	258.85	258.97	258.88	258.66	258.57	258.83				258.60	
Jun/17		253.40	258.79	258.88	258.59	258.79	258.38	258.78	259.02				258.68	
Oct/17		270.23	282.04	278.99	275.14	275.25	281.18	275.94	283.10				273.98	

Notes
1. Monitoring well 72-101a decommissioned in 2006.
2. Unable to take water level measurement at 92-8 because of damage to monitoring well. Repaired Sept 03.
3. Unable to take water levels at 92-9 in 2001 due to surface water ponding around well casing.
4. Elevation at 92-8 was 269.872 from 1992 - Sept 03.
5. Water well 14 retrofitted into monitoring well 14 in 2013.
6. Suspect data is shown in **bold** and data not used in the construction of the piezometric surfaces.

**TABLE I-3
W12A Landfill: Leachate Elevation in Monitoring Wells (masl)**

DATE	MONITORING WELL NUMBER						
	97-1	97-2	97-3	97-4	97-5	97-6	97-7
Top of Pipe	292.58	292.85	289.79	287.55	289.26	287.54	288.63
Apr/97	282.56	282.56	282.17	277.59	280.49	283.01	281.92
May/97	282.73	282.76	283.37	276.65	285.00	272.24	280.15
Jun/97	282.68	282.82	283.97	276.63	284.99	272.11	280.07
Jul/97	282.73	283.04	284.00	276.73	285.06	272.24	280.11
Aug/97	282.78	284.42	286.23	276.63	285.80		280.11
Sep/97	282.63	282.85	286.43	277.03	284.68		279.90
Nov/97	282.58	282.74		276.58	284.93		279.76
Jan/98	282.53	282.69		276.63	284.86		279.71
Mar/00		283.51		276.83	284.49		279.68
Apr/00		283.44		276.72	284.32		279.61
Jul/00		283.84		276.85	284.37		280.05
Sep/00		283.83			284.30		279.81
Dec/00		283.77	281.37	276.84	284.19		279.55
Jun/01		284.04		276.71	284.11		279.58
Oct/01		283.99	283.08	276.67	284.22		279.30
Dec/01		284.41	284.57	276.89	284.34		279.47
Apr/02		284.65		277.05	284.23		279.54
Jun/02		284.78		278.74	284.20		279.49
Aug/02							
Oct/02		284.71			284.12		279.16
May/03		284.74			284.18		279.35
Jul/03		284.70	285.12		284.23		279.33
Oct/03		284.79	285.38		284.34		279.34
Apr/04		284.82			284.21		279.30
Jul/04		284.97	285.82	276.27	284.14		279.17
Oct/04		284.93			283.96		279.01
Apr/05		285.15			284.01		279.13
Jun/05		285.27	285.02		283.95		279.08
Oct/05		285.27	285.09		283.91		278.95
Apr/06		285.47	285.14	283.55	283.84		278.95
Jun/06		285.56	285.23		283.82		279.49
Oct/06		285.81	285.37		283.91		279.05
Apr/07		285.81	285.52		283.83		278.90
Jun/07		285.87	285.61		283.80		278.91
Oct/07		285.90	285.64		283.71		278.75
Apr/08		285.93	285.25		279.56		278.91
Jun/08		285.92	285.30		283.83		278.72
Oct/08		285.99	285.98		283.59		278.62
Apr/09		285.74		278.84	283.27		278.72
Jun/09		286.69			283.93		278.69
Oct/09		285.95	286.40	279.31	283.69		278.70
Apr/10		285.38		279.33	283.77		278.79
Jun/10		285.88	286.49	279.40	283.72		278.93
Oct/10		286.11	286.39	279.44	283.75		278.66
Apr/11		286.35		278.59	283.31		278.71
Jun/11		285.81			283.71		278.94
Oct/11		286.54		279.53	283.59		281.13
Apr/12		288.23	287.44	279.53	289.26		276.78
Jun/12		286.88	287.32	279.37	283.67		278.83
Oct/12		286.71	287.03	279.59	283.74		278.71
Apr/13		286.55		279.33	283.47		278.72
Jun/13		286.80	287.17	279.50	283.66		278.91
Oct/13		286.72		279.62	283.71		278.78
Apr/14		286.98		279.50	283.63		278.84
Jun/14		286.76	287.14	279.47	283.56		278.78
Oct/14		286.66		279.59	283.62		278.65
Apr/15		286.66		279.41	283.53		278.67
Jun/15		286.68		279.35	283.51		278.84
Oct/15		286.55	286.86	278.87	283.36		278.54
Apr/16		286.77		279.25	283.98		278.83
Jun/16		286.76	286.99	279.22	283.48		278.75
Oct/16		286.17	286.65	279.07	283.23		278.59
Apr/17		286.72	289.79	279.12	283.44		278.60
Jun/17		286.81	286.71	279.04	283.32		278.88
Oct/17		292.85	289.79	287.55	289.26		288.63

Notes
1. Leachate monitoring wells 97-1 & 97-6 are historical.
2. Unable to take water levels at 97-4 because landfill gas escaping through monitoring well.
3. Suspect data is shown in **bold** and data not used in the construction of the piezometric surfaces.

TABLE I-4
W12A Landfill: Leachate Mound Height (metres) in Monitoring Wells

DATE	MONITORING WELL NUMBER						
	97-1	97-2	97-3	97-4	97-5	97-6	97-7
Top of Pipe	292.58	292.85	289.79	287.55	289.26	287.54	288.63
Depth to Till	17.50	17.73	13.20	16.17	17.41	17.80	17.72
Apr/97	7.48	7.35	5.54	6.23	8.52	13.27	11.03
May/97	7.65	7.55	6.74	5.29	13.03	2.50	9.26
Jun/97	7.60	7.61	7.34	5.27	13.02	2.37	9.18
Jul/97	7.65	7.83	7.37	5.37	13.09	2.50	9.22
Aug/97	7.70	9.21	9.60	5.27	13.83		9.22
Sep/97	7.55	7.64	9.80	5.67	12.71		9.01
Nov/97	7.50	7.53		5.22	12.96		8.87
Jan/98	7.45	7.48		5.27	12.89		8.82
Mar/00		8.30		5.47	12.51		8.79
Apr/00		8.23		5.36	12.35		8.72
Jul/00		8.63		5.49	12.39		9.16
Sep/00		8.72			12.44		8.90
Dec/00		8.65	4.79	5.46	12.33		8.64
Jun/01		8.93		5.34	12.25		8.67
Oct/01		8.88	6.49	5.29	12.36		8.39
Dec/01		9.29	7.99	5.51	12.48		8.56
Apr/02		9.53		5.68	12.38		8.63
Jun/02		9.67		7.36	12.35		8.58
Aug/02							
Oct/02		9.59			12.26		8.25
May/03		9.62			12.33		8.44
Jul/03		9.59	8.54		12.38		8.42
Oct/03		9.67	8.79		12.48		8.43
Apr/04		9.70			12.36		8.39
Jul/04		9.85	9.24	4.89	12.29		8.26
Oct/04		9.81			12.11		8.10
Apr/05		10.03			12.16		8.22
Jun/05		10.15	8.43		12.09		8.17
Oct/05		10.16	8.50		12.05		8.04
Apr/06		10.36	8.55	12.18	11.98		8.04
Jun/06		10.45	8.64		11.97		8.58
Oct/06		10.69	8.79		12.06		8.14
Apr/07		10.69	8.93		11.97		7.99
Jun/07		10.76	9.02		11.94		8.00
Oct/07		10.79	9.06		11.86		7.84
Apr/08		10.81	8.66		7.71		8.00
Jun/08		10.81	8.71		11.98		7.81
Oct/08		10.87	9.39		11.73		7.71
Apr/09		10.62		7.46	11.41		7.81
Jun/09		11.57			12.07		7.78
Oct/09		10.84	9.82	7.93	11.83		7.79
Apr/10		10.26	13.20	7.96	11.92		7.88
Jun/10		10.76	9.91	8.02	11.87		8.02
Oct/10		10.99	9.80	8.06	11.89		7.75
Apr/11		11.24		7.21	11.46		7.80
Jun/11		10.69			11.86		8.03
Oct/11		11.43		8.15	11.74		10.22
Apr/12		13.12	10.85	8.15			5.87
Jun/12		11.76	10.74	7.99	11.82		7.91
Oct/12		11.60	10.44	8.21	11.89		7.80
Apr/13		11.43		7.95	11.61		7.80
Jun/13		11.69	10.58	8.12	11.80		8.00
Oct/13		11.60		8.24	11.85		7.87
Apr/14		11.86		8.13	11.77		7.93
Jun/14		11.64	10.55	8.09	11.71		7.87
Oct/14		11.54		8.21	11.77		7.74
Apr/15		11.54		8.03	11.67		7.76
Jun/15		11.57		7.97	11.66		7.93
Oct/15		11.44		7.49	11.50		7.63
Apr/16		11.65		7.87	12.13		7.92
Jun/16		11.64		7.84	11.62		7.84
Oct/16		11.05		7.70	11.37		7.68
Apr/17		11.60		7.75	11.58		7.69
Jun/17		11.69		7.67	11.46		7.97
Oct/17		17.73		16.17	17.41		17.72

Notes
1. Leachate monitoring wells 97-1 & 97-6 are historical.
2. Unable to take water levels at 97-4 because landfill gas escaping through monitoring well.
3. Suspect data is shown in **bold** and data not used in the construction of the piezometric surfaces.

TABLE I-5 W12A Landfill: Water Levels in Surficial Aquitard (masl)			
DATE	MONITORING WELL #		
	00-3a	00-3b	00-7a
Top of Pipe	275.23	275.24	288.35
Sep/00	263.92	272.26	274.42
Sep/00	263.96	272.46	275.30
Oct/00	264.17	271.96	275.87
Dec/00	264.29	271.96	275.87
Dec/01	264.81	271.96	275.87
Apr/02	265.45	271.34	275.87
Jun/02	265.48	272.65	275.27
Oct/02	264.90	275.24	274.97
May/03	263.89	273.70	275.15
Jul/03	263.87	272.42	275.17
Oct/03	264.08	270.71	275.13
Apr/04	264.88	273.57	275.01
Jul/04	265.13	272.14	274.93
Oct/04	264.93	270.87	274.24
Apr/05	264.94	273.79	274.83
Jun/05	265.08	272.00	274.76
Oct/05	264.76	270.73	274.29
Apr/06	265.36	273.08	274.81
Jun/06	265.35	272.27	274.73
Oct/06	265.10	272.90	274.25
Apr/07	265.73	273.71	275.11
Jun/07	265.65	272.37	274.84
Oct/07	264.75	270.46	274.13
Apr/08	264.61	273.93	274.63
Jun/08	264.81	272.23	274.59
Oct/08	264.31	271.00	274.07
Apr/09	265.08	273.61	274.73
Jun/09	265.07	272.95	274.63
Oct/09	264.98	271.93	274.36
Apr/10	263.83	272.12	274.91
Jun/10	264.11	273.41	274.56
Oct/10	264.43	270.95	273.87
Apr/11	263.98	272.23	275.58
Jun/11	264.98	273.28	274.30
Oct/11	265.41	272.11	277.98
Apr/12	265.26	273.15	274.39
Jun/12	265.22	272.81	274.35
Oct/12	264.67	270.64	273.97
Apr/13	264.28	274.17	274.30
Jun/13	264.59	273.17	274.24
Oct/13	264.82	272.51	273.78
Apr/14	266.15	275.24	274.12
Jun/14	266.11	275.24	274.04
Oct/14	265.64	275.24	273.58
Apr/15	265.87	274.11	274.02
Jun/15	265.75	272.99	274.16
Oct/15	265.31	271.71	273.64
Apr/16	265.70	273.98	273.96
Jun/16	265.91	272.79	274.07
Oct/16	265.12	274.04	274.26
Apr/17	265.08	274.06	274.27
Jun/17	264.80	273.35	274.23
Oct/17	275.23	275.24	288.35

Notes

1. Unable to take water levels at 00-3b because pipe sealed shut