

Table B.4 Carbon Dioxide Monitoring Data from Jordan Valley Landfill

Well/ Probe	Jan '13	Feb '13	Mar '13	Apr '13	May '13	Jun '13	Jul '13	Aug '13	Sep '13	Oct '13	Nov '13	Dec '13	Jan '14	Feb '14	Mar '14	Apr '14	May '14	Jun '14	Jul '14	Aug '14	Sep '14	Oct '14	Nov '14	Dec '14	Jan '15	Feb '15	Min	Max	Average	Range	
G1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.1	0.0	0.1	0.1	0.1	0.2	0.0	0.2	0.0	0.0	0.0	0.2	0.3	0.2	0.1	0.1	0.0	0.3	0.1	0.0-0.3	
G2	0.2	0.0	0.2	0.4	0.5	0.2	0.2	0.3	0.0	0.2	0.2	0.2	0.2	0.3	0.4	0.2	0.2	0.0	0.2	0.0	0.2	0.0	0.0	0.0	0.2	0.0	0.0	0.5	0.2	0.0-0.5	
G3	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.1	0.1	0.1	0.0	0.2	0.0	0.3	0.0	0.0-0.3	
	B	0.4	0.4	0.8	0.7	0.5	0.4	0.3	0.4	0.4	0.4	0.2	0.4	0.5	0.6	0.5	0.5	0.7	0.3	0.7	0.8	0.3	0.0	0.0	0.0	0.3	0.7	0.0	0.8	0.4	0.0-0.8
	C	0.2	0.0	0.4	0.2	0.4	0.0	0.4	0.5	0.2	0.3	0.3	0.1	0.2	0.2	0.2	0.3	0.2	0.0	0.0	0.2	0.2	0.3	0.2	0.3	0.0	0.0	0.0	0.5	0.2	0.0-0.5
G11	A	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0-0.2
	B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0-0.3
G12	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0-0.2
	B	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0-0.2
GW1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.3	0.0	0.0-0.3
GW3	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.1	0.4	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.1	0.0-0.4	
GW4	0.6	0.2	0.0	0.0	0.0	0.7	0.0	0.8	0.3	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.2	0.0	0.0	0.0	0.4	0.0	0.0	0.8	0.2	0.0-0.8	
GW4A	0.4	0.4	0.0	0.2	0.3	0.8	0.4	0.7	0.0	0.7	0.0	0.6	0.6	0.7	0.7	0.7	0.7	0.7	1.3	0.0	0.0	0.3	0.2	0.3	0.1	0.4	0.0	1.3	0.4	0.0-1.3	
GW5	0.3	0.7	0.6	0.4	0.5	0.6	0.7	0.0	0.7	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.4	0.0	0.4	0.0	0.4	0.0	0.0	0.0	0.7	0.0	0.0	0.7	0.3	0.0-0.7	
GW6	0.6	1.0	0.8	0.8	0.9	1.0	1.0	1.0	1.0	0.6	0.1	0.7	0.5	0.4	0.5	0.5	0.8	0.3	0.7	0.7	0.7	0.4	0.3	0.2	0.8	0.6	0.1	1.0	0.7	0.1-1.0	
GW8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.3	0.0	0.0	0.0	0.3	0.0	0.0-0.3	
GW9	0.0	0.0	0.2	0.2	0.1	0.0	0.0	0.4	0.0	0.0	0.1	0.0	0.6	0.6	0.6	0.7	0.2	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.2	0.0-0.7	
GW10	0.2	0.0	0.1	0.4	0.5	1.2	0.2	0.2	0.8	0.4	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.4	0.8	0.2	0.0	0.0	0.0	0.0	0.7	0.2	0.0	1.2	0.3	0.0-1.2	

Table B.5 Carbon Dioxide Monitoring Data from Ma Yau Tong West Landfill

Well /Probe	Jan '13	Feb '13	Mar '13	Apr '13	May '13	Jun '13	Jul '13	Aug '13	Sep '13	Oct '13	Nov '13	Dec '13	Jan '14	Feb '14	Mar '14	Apr '14	May '14	Jun '14	Jul '14	Aug '14	Sep '14	Oct '14	Nov '14	Dec '14	Jan '15	Feb '15	Min	Max	Average	Range	
G1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.1	0.2	0.4	0.6	0.0	0.6	0.1	0.0-0.6	
G4	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0-0.0
	B	0.2	0.1	0.1	0.0	0.0	0.0	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0-0.2
	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0-0.1
G5	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0-0.0
	B	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0-0.2
	C	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0-0.1
GW1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0-0.2	
GW2	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.2	0.2	0.2	0.2	0.4	0.2	0.3	0.7	0.2	0.0	0.0	0.2	0.3	0.0	0.3	0.0	0.7	0.2	0.0-0.7	
GW3	0.0	0.2	0.0	0.0	0.0	0.2	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.7	0.5	0.4	0.5	0.2	0.0	0.7	0.1	0.0-0.7	
GW4	0.0	0.1	0.0	0.2	0.4	0.0	0.0	0.2	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.1	0.0-0.4	
GW5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.6	0.5	0.4	0.8	0.0	0.8	0.1	0.0-0.8	
GW6	0.2	0.8	1.1	0.4	0.3	0.7	0.4	0.7	0.7	0.8	0.7	0.4	0.8	0.7	0.7	0.8	0.0	0.7	0.7	0.7	1.2	1.1	0.9	0.8	0.6	0.4	0.0	1.2	0.7	0.0-1.2	
GW7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.1	0.0-0.7	

Table B.6 Carbon Dioxide Monitoring Data from Ma Yau Tong Central Landfill

Well/Probe	Jan '13	Feb '13	Mar '13	Apr '13	May '13	Jun '13	Jul '13	Aug '13	Sep '13	Oct '13	Nov '13	Dec '13	Jan '14	Feb '14	Mar '14	Apr '14	May '14	Jun '14	Jul '14	Aug '14	Sep '14	Oct '14	Nov '14	Dec '14	Jan '15	Feb '15	Min	Max	Average	Range	
G1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.2	0.3	0.2	0.4	0.0	0.0	0.4	0.1	0.0-0.4	
G2	A	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0-0.1	
	B	0.9	0.2	0.2	0.5	0.8	0.7	0.0	0.7	0.8	0.4	0.1	0.5	0.3	0.4	0.7	0.4	0.6	0.8	0.7	0.7	0.7	0.4	0.3	0.2	0.1	0.6	0.0	0.9	0.5	0.0-0.9
	C	0.2	0.5	0.4	0.0	0.2	0.2	0.0	0.0	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.2	0.2	0.1	0.1	0.2	0.1	0.3	0.1	0.0	0.5	0.1	0.0-0.5
GP2	0.2	0.4	0.0	0.2	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.4	0.1	0.0-0.4	
GP3	0.4	0.0	0.4	0.0	0.2	0.2	0.0	0.2	0.4	0.0	0.0	0.2	0.0	0.0	0.2	0.0	0.0	0.4	0.7	0.1	0.1	0.4	0.5	0.4	0.3	0.2	0.0	0.7	0.2	0.0-0.7	
GW1	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.1	0.0-0.3	
GW4	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.4	0.0	0.0	0.0	0.0	0.2	0.1	0.2	0.3	0.2	0.0	0.0	0.7	0.1	0.0-0.7	
GW5	0.0	0.0	0.0	0.4	0.0	0.3	0.0	0.3	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.4	0.1	0.0-0.4
GW6	0.8	0.8	0.7	0.7	0.7	1.4	0.3	0.8	0.7	0.6	0.0	0.7	0.7	0.8	0.7	0.7	0.7	0.8	0.7	0.7	1.0	0.7	0.6	0.5	0.4	0.8	0.0	1.4	0.7	0.0-1.4	
GW7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0-0.2	
GW8	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0-0.3	
GW9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.1	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.1	0.0-0.4	
GW10	0.4	0.3	0.4	0.6	0.4	0.8	0.8	0.5	0.4	0.4	0.0	0.4	0.5	0.7	0.5	0.4	0.3	0.3	0.4	0.4	0.0	0.3	0.2	0.1	0.2	0.2	0.0	0.8	0.4	0.0-0.8	
GW11	0.7	0.7	0.0	0.4	0.6	1.0	0.0	0.8	0.0	0.2	0.2	0.7	0.2	0.0	0.4	0.7	0.4	0.7	0.5	0.3	0.7	0.2	0.3	0.2	0.2	0.7	0.0	1.0	0.4	0.0-1.0	

Table B.7 Groundwater Level Monitoring Results at Jordan Valley Landfill (Depth in meters)

Well	Well Head Level (mPD)	Mar '13	Sep '13	Mar '14	Sep '14	Average	Min	Max
GW1	78.79	10.30	10.00	12.14	12.11	11.14	10.00	12.14
GW3	125.07	3.74	5.74	5.00	5.00	4.87	3.74	5.74
GW4	131.50	5.62	5.56	5.46	4.77	5.35	4.77	5.62
GW4A	127.27	7.11	8.00	7.88	7.89	7.72	7.11	8.00
GW5	125.53	8.20	8.10	8.13	8.00	8.11	8.00	8.20
GW6	73.77	5.55	4.87	5.88	5.94	5.56	4.87	5.94
GW8	66.73	2.30	3.70	3.68	3.77	3.36	2.30	3.77
GW9	122.10	3.70	4.82	10.67	10.64	7.46	3.70	10.67
GW10	107.37	15.68	13.00	12.88	12.77	13.58	12.77	15.68

Table B.8 Groundwater Level Monitoring Results at Jordan Valley Landfill (Depth in mPD)

Well	Well Head Level (mPD)	Mar '13	Sep '13	Mar '14	Sep '14	Average	Min	Max
GW1	78.79	68.49	68.79	66.65	66.68	67.65	66.65	68.79
GW3	125.07	121.33	119.33	120.07	120.07	120.20	119.33	121.33
GW4	131.50	125.88	125.94	126.04	126.73	126.15	125.88	126.73
GW4A	127.27	120.16	119.27	119.39	119.38	119.55	119.27	120.16
GW5	125.53	117.33	117.43	117.40	117.53	117.42	117.33	117.53
GW6	73.77	68.22	68.90	67.89	67.83	68.21	67.83	68.90
GW8	66.73	64.49	63.03	63.05	62.96	63.38	62.96	64.49
GW9	122.10	118.40	117.28	111.43	111.46	114.64	111.43	118.40
GW10	107.37	91.89	94.37	94.49	94.60	93.84	91.89	94.60

Table B.9 Groundwater Level Monitoring Results at Ma Yau Tong West (Depth in meters)

Well	Well Head Level (mPD)	Mar '13	Sep '13	Mar '14	Sep '14	Average	Min	Max
GW1	71.50	2.37	N/A	N/A	N/A	2.37	2.37	2.37
GW2	62.63	4.90	4.62	3.96	4.63	4.53	3.96	4.90
GW3	25.88	4.80	N/A	4.00	N/A	4.40	4.00	4.80
GW4	52.69	4.37	3.00	3.74	3.71	3.71	3.00	4.37
GW5	52.02	11.30	7.94	7.43	7.39	8.52	7.39	11.30
GW6	32.26	17.65	14.30	14.28	14.23	15.12	14.23	17.65
GW7	52.56	11.80	7.88	8.66	8.64	9.25	7.88	11.80

Table B.10 Groundwater Level Monitoring Results at Ma Yau Tong West Landfill (Depth in mPD)

Well	Well Head Level (mPD)	Mar '13	Sep '13	Mar '14	Sep '14	Average	Min	Max
GW1	71.50	69.13	N/A	N/A	N/A	69.13	69.13	69.13
GW2	62.63	57.73	58.01	58.67	58.00	58.10	57.73	58.67
GW3	25.88	21.08	N/A	21.88	N/A	21.48	21.08	21.88
GW4	52.69	48.32	49.69	48.95	48.98	48.99	48.32	49.69
GW5	52.02	40.72	44.08	44.59	44.63	43.51	40.72	44.63
GW6	32.26	14.61	17.96	17.98	18.03	17.15	14.61	18.03
GW7	52.56	40.76	44.68	43.90	43.92	43.32	40.76	44.68

Table B.11 Groundwater Level Monitoring Results at Ma Yau Tong Central (Depth in meters)

Well	Well Head Level (mPD)	Mar '13	Sep '13	Mar '14	Sep '14	Average	Min	Max
GW1	193.70	8.00	7.84	7.90	6.47	7.55	6.47	8.00
GW4	116.71	13.24	13.30	13.30	13.60	13.36	13.24	13.60
GW6	164.60	16.02	14.67	14.62	15.76	15.27	14.62	16.02
GW7	186.80	N/A	N/A	N/A	N/A	N/A	N/A	N/A
GW8	127.50	16.84	15.40	11.78	10.63	13.66	10.63	16.84
GW9	87.40	16.58	15.54	15.56	10.12	14.45	10.12	16.58
GW10	130.87	17.37	9.62	9.70	8.54	11.31	8.54	17.37
GW11	175.05	17.60	7.37	7.42	9.37	10.44	7.37	17.60

Table B.12 Groundwater Level Monitoring Results at Ma Yau Tong Central Landfill (Depth in mPD)

Well	Well Head Level (mPD)	Mar '13	Sep '13	Mar '14	Sep '14	Average	Min	Max
GW1	193.70	185.70	185.86	185.80	187.23	186.15	185.70	187.23
GW4	116.71	103.47	103.41	103.41	103.11	103.35	103.11	103.47
GW6	164.60	148.58	149.93	149.98	148.84	149.33	148.58	149.98
GW7	186.80	N/A	N/A	N/A	N/A	N/A	N/A	N/A
GW8	127.50	110.66	112.10	115.72	116.87	113.84	110.66	116.87
GW9	87.40	70.82	71.86	71.84	77.28	72.95	70.82	77.28
GW10	130.87	113.50	121.25	121.17	122.33	119.56	113.50	122.33
GW11	175.05	157.45	167.68	167.63	165.68	164.61	157.45	167.68