

Sample Identity	Date	pH @ 25°C	EC @ 25°C	COD	Alkalinity	NH3-N	Chloride	Nitrate	Nitrite	Phosphate	Ca	As	Cd	Cu	Hg
			µS/cm	mg/l	g/l as CaCO3	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	µg/l	mg/l	mg/l	µg/l
BH3S	15/01/2020														<0.10
BH6S	15/01/2020												<0.15	<0.20	
BH15S	15/01/2020												<0.15	<0.20	
BH3S	05/02/2020	>12	1980	77	410	2.03	59.6	3.61	<0.03	1.88	198	19.80			
BH4S	05/02/2020	7.6	517	129	166	2.54	60.1	4.16	<0.03	2.00	41.9	12.4			
BH6S	05/02/2020	8.2	270	19	89	<0.05	25.22	3.92	<0.03	<0.03	38.4	2.70			
BH9S	05/02/2020	7.2	437	10	129	2.44	53.9	3.47	<0.03	2.62	45.3	54.30			
BH9D	05/02/2020	7.1	1070	52	310	3.46	89.8	3.93	<0.03	<0.03	175	33.70			
BH15S	05/02/2020	8.0	282	216	106	<0.05	21.44	3.61	<0.03	<0.03	39.4	0.60			
BH15D	05/02/2020	8.1	391	40	168	<0.05	20.95	4.25	<0.03	<0.03	66.1	0.8			
BH16S	05/02/2020	7.9	357	12	158	<0.05	15.86	3.95	<0.03	<0.03	62.7	3.4			
BH16D	05/02/2020	7.5	403	<4	176	<0.05	20.23	3.84	<0.03	<0.03	61.2	0.9			
BH17S	05/02/2020	7.8	262	163	94	<0.05	18.94	3.64	<0.03	<0.03	39.3	2			
BH18S	05/02/2020	8.2	292	98	121	3.19	17.75	4.03	<0.03	2.03	30.3	3			
BH19S	05/02/2020	11.5	1460	<4	290	0.20	36.29	<0.03	5.86	1.89	114	7.6			
BH20S	05/02/2020	9.8	724	<4	134	<0.05	69.8	3.57	<0.03	<0.03	52.7	18.9			
BH25S	05/02/2020	7.0	795	137	240	<0.05	91.6	3.57	<0.03	<0.03	98.4	16.1			
BH26S	05/02/2020	7.2	520	87	200	<0.05	37.65	3.49	<0.03	<0.03	82	3.6			
BH27S	05/02/2020	7.8	7100	35	82	<0.05	2170	11.03	<0.03	<0.03	112	4.7			
BH28S	05/02/2020	7.4	965	41	149	<0.05	175	17.3	<0.03	1.83	94.2	3			
BH29S	05/02/2020	7.2	909	83	210	<0.05	143	5.05	<0.03	1.87	66.1	11.6			
BH30	05/02/2020	7.7	460	99	134	0.02	41.25	3.68	<0.03	<0.03	59.1	12			
GTW3A	05/02/2020	7.8	676	14	280	<0.05	21.47	3.72	<0.03	<0.03	87.9	5.4			
P1	05/02/2020	8.0	358	72	148	<0.05	19.92	<0.03	<0.03	<0.03	62	0.5			
P2	05/02/2020	8.1	366	93	163	<0.05	24.08	3.60	<0.03	<0.03	64.9	0.5			
P3	05/02/2020	8.2	470	106	193	<0.05	20.07	3.53	<0.03	1.80	81.7	0.6			
P4	05/02/2020	8.1	467	76	220	<0.05	21.04	3.57	<0.03	<0.03	88.9	0.5			
P5	05/02/2020	8.1	440	80	200	<0.05	19.38	3.48	<0.03	<0.03	82.7	0.6			
P6	05/02/2020	7.8	390	89	181	<0.05	19.52	3.61	<0.03	<0.03	75.1	0.7			
P7	05/02/2020	7.7	372	97	163	<0.05	43.86	3.61	<0.03	<0.03	64.4	0.5			
SW1	05/02/2020	9.1	346	111	94	<0.05	68.00	3.66	<0.03	<0.03	29	3.2			
SW3	05/02/2020	7.5	330	301	188	<0.05	55.70	4.41	<0.03	<0.03	77.5	4.4			
SW4	05/02/2020	7.5	606	122	220	<0.05	216	3.71	<0.03	<0.03	94.8	8			
SW5	05/02/2020	7.5	1090	108	188	0.30	230	4.04	<0.03	<0.03	155	<0.15			
SW6	05/02/2020	7.4	1180	116	178	0.59	253	4.41	<0.03	<0.03	166	2.3			
SW7	05/02/2020	7.3	1040	205	200	<0.05	207	3.93	<0.03	<0.03	161	2.1			
SW8	05/02/2020	7.2	829	54	158	<0.05	156	4.18	<0.03	<0.03	110	1.1			
SW9	05/02/2020	7.2	1020	47	188	<0.05	24.06	3.65	<0.03	<0.03	152	2.5			
SW11	05/02/2020	7.4	385	16	106	<0.05	23.44	8.74	5.34	<0.03	39.9	0.4			
SW12	05/02/2020	7.5	381	18	109	<0.05	46.15	8.52	5.33	<0.03	40.4	0.3			
SW15	05/02/2020	7.5	488	42	166	<0.05	204	3.27	<0.03	<0.03	62	0.6			
L1	05/02/2020	8.6	1400	198	62	1.10	304	3.60	<0.03	<0.03	84	1.1			
L6	05/02/2020	9.2	1210	109	124	<0.05	130	52.2	<0.03	<0.03	20.6	1.2			
L7	05/02/2020	>12	11300	27	800	4.87	2910	3.66	<0.03	<0.03	2020	0.5			
L8	05/02/2020	>12	1300	33	22	0.53	520	13.94	<0.03	<0.03	335	0.2			
L17	05/02/2020	>12	3950	85	850	0.57	60.4	10.31	7.87	<0.03	382	0.6			

Return	Landfill	Type	Report	Parameters > assessment levels				Threshold	C&A Plan	Contingency Action/ Comments
				Sample	Date	Parameter	Result			
Surface water monitoring summary for the quarter	BV7311IE	Non Hazardous	Q							
Leachate monitoring summary for the quarter	BV7311IE		Q							
Borehole monitoring summary for the quarter	BV7311IE		Q							
Fugitive emissions monitoring summary for the quarter	BV7311IE		Q							
Energy consumption 2012	BV7311IE / BW2692IM		A							
Landfill gas monitoring summary for the month	BV7311IE / GP3430MH		Q							
Bio-cell gas monitoring summary for the month	BV7311IE / GP3430MH		Q							
Fugitive emissions monitoring summary for the quarter	BW2692IM	Hazardous	Q							
Surface water monitoring summary for the quarter	BW2692IM / SP3633MK		Q							
Leachate monitoring summary for the quarter	BW2692IM / SP3633MK		Q							
Borehole monitoring summary for the quarter	BW2692IM / SP3633MK		Q							Spikes in chloride observed since 2013. Chloride concentration observed in groundwater is higher than concentration in leachate. Emission limit requirs review.
				BH27S	05/02/2020	Chloride	2170.00	250		
Landfill gas monitoring summary for the quarter	BW2692IM / SP3633MK		Q							
Surface water monitoring summary for the quarter	EPA/AP3292LT	Closed	Q							
Landfill gas monitoring summary for the quarter	EPA/AP3292LT		Q							
Borehole monitoring summary for the quarter	EPR/AP3239LT		Q							
Energy consumption	BV7311IE / BW2692IM	All	A							

Sample Identity	Date	pH @ 25°C	EC @ 25°C	COD	Alkalinity	NH3-N	Chloride	Nitrate	Nitrite	Phosphate	Ca	As
			µS/cm	mg/l	g/l as CaCO3	mg/l	mg/l	mg/l	mg/l	mg/l	mg/l	µg/l
BH3S	15/06/2020	12	133	52	240	1.6	75.4	1.63	1.02	<0.03	110	27.2
BH15S	15/06/2020	8.6	354	44	35	<0.1	59.5	1.7	<0.03	<0.03	42	<1.5
BH16S	15/06/2020	7.3	330	141	129	<0.1	22.35	3.29	0.99	<0.03	42.4	<1.5
BH25S	15/06/2020	7.5	983	66	250	2.9	138	1.77	<0.03	<0.03	115	26.8
BH29S	15/06/2020	7.5	1050	89	280	0.17	149	1.81	<0.03	<0.03	124	4.3
BH30	15/06/2020	11.5	857	42	158	0.23	63.1	1.71	<0.03	<0.03	83.6	23.9
SW1	30/06/2020	7.5	500	52	173	<0.1	54.6	1.65	<0.03	<0.03	54.4	2.1
SW4	30/06/2020	7.2	643	51	198	<0.1	68.9	1.92	<0.03	<0.03	80.8	13.3
SW5	30/06/2020	7.5	750	158	158	<0.1	123	1.61	<0.03	<0.03	88.1	3.9
SW7	30/06/2020	7.2	1620	70	163	<0.1	384	1.72	<0.03	<0.03	226	3.6
SW8	30/06/2020	7.1	1580	42	168	<0.1	385	1.71	<0.03	<0.03	198	<1.5
SW9	30/06/2020	7.1	2140	77	153	<0.1	578	1.62	<0.03	<0.03	291	<1.5
SW11	30/06/2020	7.4	579	46	200	<0.1	27.66	2.86	<0.03	<0.03	63.9	2.0
SW12	30/06/2020	7.6	570	65	163	<0.1	35.24	2.81	<0.03	<0.03	67.3	1.8
P1	30/06/2020	7.7	443	46	144	3.26	36.64	1.67	<0.03	<0.03	60.4	1.6
P2	30/06/2020	6.9	474	41	129	<0.1	37.03	6.57	<0.03	<0.03	60.3	3.2
P3	30/06/2020	7.8	397	59	139	<0.1	43.74	1.67	<0.03	<0.03	45.7	<1.5
P4	30/06/2020	7.5	596	50	210	<0.1	47.22	1.64	<0.03	<0.03	89.5	2.5
P5	30/06/2020	7.8	478	53	173	<0.1	52.10	<0.03	<0.03	<0.03	53	<1.5
P6	30/06/2020	8.4	369	43	109	<0.1	44.53	1.62	<0.03	<0.03	36.5	<1.5
P7	30/06/2020	7.8	499	51	144	<0.1	54.7	1.67	<0.03	<0.03	56.1	<1.5
BH6S	16/06/2020	11.5	1880	54	370	3.66	32.85	1.73	1.35	<0.03	137	<1.5
BH9S	16/06/2020	9.2	258	52	84	<0.1	146	1.71	<0.03	<0.03	9.00	105
BH9D	16/06/2020	7.3	1000	55	300	0.1	18.8	2.24	1.02	<0.03	11.4	28.6
BH11S	16/06/2020	7.4	650	27	230	0.1	70.5	1.05	<0.03	<0.03	32	6.1
BH13S	16/06/2020	7.6	626	41	250	0.38	41.13	1.61	<0.03	<0.03	153	3.8
BH14S	16/06/2020	8.2	821	50	260	<0.1	39.28	2.24	<0.03	<0.03	76	63.1
BH17S	16/06/2020	8.3	333	52	99	2.73	35.16	1.71	0.99	<0.03	86	10.4
BH18S	16/06/2020	7.00	375	66	168	0.55	16.77	1.62	<0.03	0.53	48	5.2
BH19S	16/06/2020	11.5	2940	42	600	6.32	37.72	1.66	1.74	<0.03	41	6.3
BH20S	16/06/2020	11.0	544	50	79	0.59	94.5	2.05	1.15	<0.03	39	14.7
BH26S	16/06/2020	7.5	572	60	230	2.9	50.4	1.66	<0.03	<0.03	239	26.8
BH27S	16/06/2020	10.0	1950	194	300	<0.1	381	2.64	1.16	8.04	25	556
BH28S	16/06/2020	7.5	963	31	310	<0.1	97	2.83	<0.03	<0.03	75	2.5
SW15	16/06/2020	8.1	465	131	84	<0.1	47.87	2.1	<0.03	<0.03	49	<1.5
SW13	30/06/2020	7.1	856	25	650	<0.1	115	0.83	<0.03	<0.03	83.5	16.7
SW14	30/06/2020	7.5	800	24	270	<0.1	106	0.81	<0.03	<0.03	85	7.7
BH1S	30/06/2020	7.7	988	51	420	0.56	63.7	0.94	<0.03	<0.03	104	5.8
BH2S	23/06/2020	7.7	802	12	330	1.3	52	1.13	<0.03	1.73		11.9
BH4S	23/06/2020	7.1	457	25	99	0.96	84.5	1.18	<0.03	<0.03		26.2
BH10S	23/06/2020	7.5	519	9	220	<0.1	33.62	1.16	<0.03	<0.03		<1.5
GTW3A	23/06/2020	7.7	574	62	230	<0.1	51.5	1.15	<0.03	<0.03		6.2
L1	23/06/2020	9.7	1530	86	50	<0.1	300	1.92	<0.03	<0.03		<1.5
L6	23/06/2020	8.5	603	44	149	1.34	44.81	9.33	<0.03	<0.03		<1.5
L7	23/06/2020	11.5	5500	141	700	4.02	<0.03	1.79	<0.03	<0.03		<1.5
L8	23/06/2020	10.5	24	1354	163	<0.1	1150	1.17	<0.03	<0.03		5.1
L17	23/06/2020	>12	2870	88	650	<0.1	71.3	2.47	<0.03	<0.03	<1.5	
SW2	30/06/2020	Dry										
SW3	30/06/2020	Dry										
BH12S	30/06/2020	cient water in well										

Return	Landfill	Type	Report	Parameters > assessment levels				Threshold	C&A Plan	Contingency Action/ Comments
				Sample	Date	Parameter	Result			
Surface water monitoring summary for the quarter	BV7311IE	Non Hazardous	Q							
Leachate monitoring summary for the quarter	BV7311IE		Q							
Borehole monitoring summary for the quarter	BV7311IE		Q	BH17S	16/06/2020	Ammonia	2.73	2 (control level)		Repeat. Suspected to be related to dead snails in well. Could be related to BH19. Repeat.
				BH19S	16/06/2020	Ammonia	6.3	2 (control level)		
Fugitive emissions monitoring summary for the quarter	BV7311IE		Q							
Energy consumption 2012	BV7311IE / BW2692IM		A							
Landfill gas monitoring summary for the month	BV7311IE / GP3430MH		Q							
Bio-cell gas monitoring summary for the month	BV7311IE / GP3430MH		Q							
Fugitive emissions monitoring summary for the quarter	BW2692IM	Hazardous	Q							
Surface water monitoring summary for the quarter	BW2692IM / SP3633MK		Q							
Leachate monitoring summary for the quarter	BW2692IM / SP3633MK		Q							
Borehole monitoring summary for the quarter	BW2692IM / SP3633MK		Q	BH27S 16/06/2020 Chloride			381.00	250	None	Spikes in chloride observed since 2013. Chloride concentration observed in groundwater is higher than concentration in leachate. Emission limit requirs review.
Landfill gas monitoring summary for the quarter	BW2692IM / SP3633MK		Q							
Surface water monitoring summary for the quarter	EPA/AP3292LT	Closed	Q	P1 (Pond 1) 30/06/2020 Ammonia 3.26 1 (emission level for recharge trench)						Repeat. Suspected to be related to vegetation breaking down in flooded and stagnant water. Review drainage.
Landfill gas monitoring summary for the quarter	EPA/AP3292LT		Q							
Borehole monitoring summary for the quarter	EPR/AP3239LT		Q							
Energy consumption	BV7311IE / BW2692IM	All	A							

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	Period	15/01/2020	05/02/2020	20/03/2020	30/04/2020	29/05/2020	15/06/2020	20/07/2020
ID	Description							
SW G1	Adjacent SW13	Flooded	0.93	0.96	0.68	0.71	0.74	0.58
SW G2	Adjacent SW10	0.36	0.16	0.16	0.02	0.05	0.08	0
SW G3								
SW G5	Adjacent SW15	Flooded	flooded	flooded	Overgrown	Overgrown	0.86	0.68
SWG6	Adjacent SW11	Flooded (>1.1)	0.9	flooded	0.5		0.36	0.58
SWG7	Adjacent SW12	0.9	0.74	0.89	0.59	0.3 0.6	0.54	0.75

	15/01/2020	05/02/2020	20/03/2020	30/04/2020	29/05/2020	15/06/2020	30/06/2020	21/07/2020
Piezos	Depth (m)	Depth (m)	Depth (m)	Depth (m)	Depth (m)	Depth (m)	Depth (m)	Depth (m)
P1	Overvegetated	Overvegetated	Overvegetated	Overvegetated	Overvegetated	0.72		0.79
P2	0.94	.88	0.81	0.94	DRY	dry		Dry
P3	Overvegetated	Overvegetated	Overvegetated	Overvegetated	Overvegetated	0.6		0.66
P4	Overvegetated	Overvegetated	Overvegetated	Overvegetated	Overvegetated	0.2		0.1
P5	0.92	0.88	0.96	1.11		1.16		1.16
P6	Overvegetated	Overvegetated	0.42	0.47	Overvegetated	0.45		0.53
P7	flooded	flooded	flooded	0.1	0.23	0.22		0.05
P8	0.29	0.26	0.55	0.79	DRY	0.86		0.75
P9	0.73	0.68	0.8	1.05	DRY	1.24		1.09
P10	0.5	0.48	0.55	Overvegetated		1.3		0.95
P11	Overvegetated	Overvegetated	0.86	Overvegetated	Overvegetated	1.25		1.06
P12	Overvegetated	Overvegetated	0.83	1.27	1.52	1.55		1.4
P13	0.34	0.31	0.3	0.73	0.92	0.99		0.95
P14	0.77	0.72		Overvegetated				0.63
P15	0.28	0.41	0.32	0.61	DRY	0.89		0.73
P16	Overvegetated	Overvegetated		Overvegetated	Overvegetated	Vandalised		
P17	Overvegetated	Overvegetated	0.23	0.69	Overvegetated	0.62		0.59
P18	0.3	0.51	0.4	0.78	0.97	0.67		0.65
P19	Overvegetated	Overvegetated	0.42	0.77	Overvegetated		0.82	0.45
P20	Overvegetated	Overvegetated	0.02 flooded	0.05	Overvegetated		0.44	0.7
P21	0.6	0.61	0.57	0.56	0.61	0.63		0.53
P22	2.5	2.31	2.19	2.52	2.68	2.51		2.49
P23	0.91	0.98	0.92	1.16			1.17	1.07
P24	Overvegetated	Overvegetated	Overvegetated	Overvegetated	Overvegetated		0.25	0.3
P25			1.42	1.97				1.94
P26			1.87	2.29				Og
P27			1.73	2.27				2.2
P28			1.82	2.21				2.2
P29			1.71	2.11				Og
P30			1.79	2.29				2.23

G	Location	Date Out	Date In	(mg/m2/day)	Comments	pH	% Fe	% C	Vol (ml)	Insoluble Solids (mg)	SS	Soluble Solids SS (mg)	Total Solids (mg)	No. Days	Funnel Area	
D15	Weasel Woods	03-Dec-19	17-Jan-20	214		6.7	0.19	29	8800	97		704	801	45	0.04	0.23
D15	Weasel Woods	17-Jan-20	07-Feb-20	42		8.1	0.00	67	1400	3		70	73	21	0.04	0.23
D15	Weasel Woods	07-Feb-20	03-Mar-20	1321		8.1	0.00	72	9000	729		2016	2745	25	0.04	0.23
D16	Moors	03-Dec-19	17-Jan-20	NA	Blown over.	NA	NA	NA	NA	NA		NA	NA	45	0.04	0.23
D16	Moors	17-Jan-20	07-Feb-20	76		6.9	0.00	75	1400	10		123	133	21	0.04	0.23
D16	Moors	07-Feb-20	03-Mar-20	29		6.7	0.00	100	6800	7		54	61	25	0.04	0.23
D17	EWS	03-Dec-19	17-Jan-20	276		6.6	0.00	76	9200	386		644	1030	45	0.04	0.23
D17	EWS	17-Jan-20	07-Feb-20	13		6.0	0.00	100	1800	2		22	23	21	0.04	0.23
D17	EWS	07-Feb-20	03-Mar-20	177		6.2	0.00	100	7200	7		360	367	25	0.04	0.23
D18	Kenfig Pool	03-Dec-19	17-Jan-20	159		6.0	0.00	0	10400	10		582	593	45	0.04	0.23
D18	Kenfig Pool	17-Jan-20	07-Feb-20	30		5.8	0.00	87	1800	13		40	52	21	0.04	0.23
D18	Kenfig Pool	07-Feb-20	03-Mar-20	206		6.8	0.00	0	6900	0		428	428	25	0.04	0.23
D19	Borehole	03-Dec-19	17-Jan-20	524		7.7	0.00	61	11000	330		1628	1958	45	0.04	0.23
D19	Borehole	17-Jan-20	07-Feb-20	118		7.9	0.00	50	1600	2		205	206	21	0.04	0.23
D19	Borehole	07-Feb-20	03-Mar-20	305		6.4	0.00	100	3600	7		626	634	25	0.04	0.23
D15	Weasel Woods	09-Apr-20	04-May-20	69		6.3	0.05	75	800	6		136	142	25	0.04	0.23
D16	Moors	09-Apr-20	04-May-20	37		5.8	0.22	0	800	7		69	76	25	0.04	0.23
D17	EWS	09-Apr-20	04-May-20	21		6.7	0.00	100	1200	4		41	44	25	0.04	0.23
D18	Kenfig Pool	09-Apr-20	04-May-20	82		6.9	0.00	0	1600	24		147	171	25	0.04	0.23
D19	Borehole	09-Apr-20	04-May-20	89		6.5	0.01	100	1200	2		182	185	25	0.04	0.23

MNHL and MHL Leachate Control Levels

Leachate Point	moniacal Nitro	Cl	As
Unit	mg/l	mg/l	mg/l
New control levels	70	70000	3

MHL Groundwater Control and Compliance Levels

Parameter	BH3S (shallow aquifer)			BH12 (shallow aquifer)			BH 25S (shallow aquifer)		
	CL1	CL2	Compliance	CL1	CL2	Compliance	CL1	CL2	Compliance
Cadmium	-	0.1		-	0.1			0.1	
Mercury	-	0.1		-	0.1			0.1	
Chloride		100	250	100	200			200	250
Ammonia	8	10	12	0.44	0.52		3.5	4	4.5
Alkalinity	2400	2700	3000	284	335		500	550	600
	BH26S (shallow aquifer)			BH27S (shallow aquifer)			BH28S (shallow aquifer)		
Cadmium		0.1			0.1			0.1	
Mercury		0.1			0.1			0.1	
Chloride		200	250		200	250		400	450
Ammonia	1.6	1.8	2	1.6	1.8	2	1.6	1.8	2
Alkalinity	350	400	450	350	400	450	350	400	450
	BH29S (shallow aquifer)								
Cadmium		0.1							
Mercury		0.1							
Chloride		250	300						
Ammonia	1.6	1.8	2						
Alkalinity	350	400	450						

Cadmium, copper and mercury reported as µg/l. Alkalinity reported as mg/l CaCO3. Ammonia reported as mg/l.
These Assessment Criteria will also apply to future replacement boreholes for these positions although the situation will be reviewed at the time.

MNHL Groundwater Control and Compliance Levels

Parameter	BH3 (shallow aquifer)			BH4 (shallow aquifer)			BH6 (shallow aquifer)		
	CL1	CL2	Compliance	CL1	CL2	Compliance	CL1	CL2	Compliance
Cadmium	-	0.1		-	0.1		-	0.1	
Mercury	-	0.1		-	0.1		-	0.1	
Chloride		100	250		100	250		100	250
Ammonia	8	10	12	2	3	4	14	16	18
Alkalinity	2400	2700	3000	650	700	750	1200	1300	1400
	BH11 (shallow aquifer)			BH12 (shallow aquifer)			BH13 (shallow aquifer)		
	CL1			CL1			CL1		
Cadmium	-	0.1		-	0.1		-	0.1	
Mercury	-	0.1		-	0.1		-	0.1	
Chloride	100	200		100	200		100	200	
Ammonia	0.88	1.1		0.44	0.52		1.8	2.1	
Alkalinity	556	657		284	335		738	872	
	BH14 (shallow aquifer)			BH30 (shallow aquifer)					
	CL1	CL2	Compliance	CL1	CL2	Compliance			
Cadmium	-	0.1			0.1				
Mercury	-	0.1			0.1				
Chloride	100	200			100	250			
Ammonia	10.9	12.9		2	3	4			
Alkalinity	178	211		650	700	750			

Cadmium, copper and mercury reported as µg/l. Alkalinity reported as mg/l CaCO3. Ammonia reported as mg/l.
These Assessment Criteria will also apply to future replacement boreholes for these positions although the situation will be reviewed at the time.

Surface Water Assessment Levels

Parameter	SW2 and SW4	
	Ass lvi 1	Ass' lvi 22
	AL1	AL2
Cadmium	0.1	
Copper	25	28
Mercury	0.1	
Chloride	200	250
Ammonia	2.75	3
Alkalinity	350	400

Cadmium, copper and mercury reported as µg/l. Alkalinity reported as mg/l CaCO3. Ammonia reported as mg/l.

Methane Compliance Limits

Perimeter gas position	Compliance Limit
GA7	2
GA16	3.6

Carbon Dioxide Assessment Levels

Perimeter gas position	Assessment level
GA7	3.5
GA16	3.4

	Landfill	Lab analysis	Surface water samples	Quarterly Groundwater samples	Annual Groundwater Samples	Monthly levels	Leachate chemistry	Gas
Q1	MNHL	Indicator suite	SW1 – SW15	BH3S, BH4S, BH6S, BH17S, BH18S, BH19S, BH20S, BH30, GWT3A		Each month: SW gauges 1,2,4,5,6, Piezometers All sampled groundwater	L1, L6, L7, L8, L17	GA1, GA2, GA7 – GA12,W1 – W16
	MHL			BH25S, BH26S, BH27S, BH28S, BH29S,				
	MCL		Collection Ponds 1 – 6 on surface of MCL	BH8S, BH8D, BH9S, BH9D, BH15S, BH15D, BH16S, BH16D,				GV1 – GV4, BH8S, BH9S, BH14S, BH15S, BH16S, BH17S,
Q2	MNHL	Indicator suite/ Characterisation suite alternated every year. 2015 is characterisation suite	SW1 – SW15	BH1, BH2, BH3S, BH4S, BH6S, BH10S, BH11S, BH12S, BH13S, BH14S, BH17S, BH18S, BH19S, BH20S, BH30, GWT3A,	BH2D, BH3D, BH4D, BH6D, BH17D, BH18D, BH19D, BH20D, BH10D, BH11D, BH12D, BH13D, BH14D	Each month: SW gauges 1,2,4,5,6, Piezometers All sampled groundwater	L1, L6, L7, L8, L17	GA1, GA2, GA7 – GA12,W1 – W16
	MHL			BH25S, BH26S, BH27S, BH28S, BH29S,				
	MCL		Collection Ponds 1 – 6 on surface of MCL	BH8S, BH8D, BH9S, BH9D, BH15S, BH15D, BH16S, BH16D,				GV1 – GV4, BH8S, BH9S, BH14S, BH15S, BH16S, BH17S,
Q3	MNHL	Indicator suite	SW1 – SW15	BH3S, BH4S, BH6S, BH17S, BH18S, BH19S, BH20S, BH30, GWT3A		Each month: SW gauges 1,2,4,5,6, Piezometers All sampled groundwater	L1, L6, L7, L8, L17	GA1, GA2, GA7 – GA12,W1 – W16
	MHL			BH25S, BH26S, BH27S, BH28S, BH29S,				
	MCL		Collection Ponds 1 – 6 on surface of MCL	BH8S, BH8D, BH9S, BH9D, BH15S, BH15D, BH16S, BH16D,				GV1 – GV4, BH8S, BH9S, BH14S, BH15S, BH16S, BH17S,
Q4	MNHL	Indicator suite / Characterisation suite alternated every year. 2015 is Indicator suite	SW1 – SW15	BH1, BH2, BH3S, BH4S, BH6S, BH10S, BH11S, BH12S, BH13S, BH14S, BH17S, BH18S, BH19S, BH20S, BH30, GWT3A,		Each month: SW gauges 1,2,4,5,6, Piezometers All sampled groundwater	L1, L6, L7, L8, L17	GA1, GA2, GA7 – GA12,W1 – W16
	MHL			BH25S, BH26S, BH27S, BH28S, BH29S,				
	MCL		Collection Ponds 1 – 6 on surface of MCL	BH8S, BH8D, BH9S, BH9D, BH15S, BH15D, BH16S, BH16D,				GV1 – GV4, BH8S, BH9S, BH14S, BH15S, BH16S, BH17S,

Indicator Suite		Characterisation suite*	
Quarterly (Q1, Q2, Q3, Q4)		Annually (alternated each year between Q2 and Q4)	
Analysis	pH, Electrical Conductivity, alkalinity, Calcium, Chloride, Chemical Oxygen Demand, Total Organic Carbon, Ammoniacal Nitrogen, Nitrate, Nitrite, Phosphorous, Phosphate, Arsenic	pH, Electrical Conductivity, alkalinity, Calcium, Chloride, Chemical Oxygen Demand, Total Organic Carbon, Ammoniacal Nitrogen, Nitrate, Nitrite, Phosphorous, Phosphate, Arsenic , Sodium, Potassium, Magnesium, Sulphate, Boron, Total Chromium, Copper, Iron, Lead, Vanadium, Zinc, Cadmium, Mercury, VOC and SVOC	
	*Other parameters may be added depending upon any changes to the types of waste landfilled and review of results from preceding indicator suite		