

**UPPER LACHLAN SHIRE COUNCIL
CROOKWELL LANDFILL
EPA LICENCE NO. 6054**

POINT 1 - LEACHATE DAM - NO WATER IN DAM

SAMPLES TAKEN	DATE		pH	CONDUCTIVITY	SUSPENDED SOLIDS mg/L	ALKALINITY	NITROGEN (AMMONIA) mg/L	NITRATE mg/L	BOD
	SAMPLES RECEIVED	RESULTS ISSUED							
26/06/2014			No water in Dam						
8/10/2014			No water in Dam						
26/11/2014			No water in Dam						
4/03/2015			No water in Dam						
23/06/2015			No water in Dam						
29/09/2015			No water in Dam						
15/12/2015			No water in Dam						
22/03/2016			No water in Dam						
21/06/2016			No water in Dam						
29/11/2016			No water in Dam						
20/12/2016			No water in Dam						
21/03/2017			No water in Dam						
27/06/2017			No water in Dam						
22/08/2017			No water in Dam						
28/11/2017			No water in Dam						
27/03/2018			No water in Dam						
26/06/2018			No water in Dam						
18/09/2018			No water in Dam						
27/02/2019			No water in Dam						
11/06/2019			No water in Dam						
11/09/2019			No water in Dam						
4/12/2019			No water in Dam						
3/03/2020			No water in Dam						
23/06/2020			No water in Dam						
29/07/2020			No water in Dam						
15/09/2020			No water in Dam						

**UPPER LACHLAN SHIRE COUNCIL
CROOKWELL LANDFILL
EPA LICENCE NO. 6054**

POINT 2 - SEDIMENTATION DAM ON SITE

DATE			pH	CONDUCTIVITY	SUSPENDED SOLIDS mg/L	ALKALINITY	NITROGEN (AMMONIA) mg/L	NITRATE mg/L	BOD
SAMPLES TAKEN	SAMPLES RECEIVED	RESULTS ISSUED							
26/06/2014	26/06/2014	4/07/2014	7.39	466	6	105	0.6	0.02	<2
8/10/2014	9/10/2014	15/10/2014	7.54	521	10	121	<0.1	<0.05	3
26/11/2014	27/11/2014	4/12/2014	7	642	618	116	<0.1	<0.05	8
4/03/2015	No Sample	Dam Dry							
23/06/2015	24/06/2015	4/07/2015	7.16	379	8	67	<0.1	<0.05	2
29/09/2015	30/09/2015	9/10/2015	7.51	543	11	122	<0.1	<0.05	5
15/12/2015	No Sample								
22/03/2016	No Sample								
21/06/2016	22/06/2016	5/07/2016	7.26	320	61	47	0.3	0.03	<2
29/11/2016	30/11/2016	6/12/2016	7.48	497	51	180	2.2	<0.05	35
20/12/2016	21/12/2016	3/01/2017	8.2	431	79	128	0.6	0.05	16
21/03/2017	22/03/2017	27/03/2017	7.36	320	80	74	1.4	0.17	3
27/06/2017	28/06/2017	4/07/2017	7.53	406	12	105	2.1	0.12	3
22/08/2017	23/08/2017	29/08/2017	7.68	379	16	85	1.6	0.4	<2
28/11/2017	29/11/2017	4/12/2017	7.75	297	26	76	0.2	0.27	3
27/03/2018	28/03/2018	5/04/2018	7.7	329	21	96	0.5	0.07	2
26/06/2018	27/06/2018	5/07/2018	7.62	322	8	78	0.7	0.16	2
18/09/2018	19/09/2018	27/08/2018	7.71	412	23	102	1.5	0.7	2
27/02/2019	27/02/2019	27/02/2019	7.99	386	22	127	<0.1	<0.05	2
11/06/2019	12/06/2019	12/06/2019	7.51	282	45	67	0.2	0.25	8
11/09/2019	12/09/2019	20/09/2019	7.97	385	10	90	1.4	0.24	2
4/12/2019	4/12/2019	16/12/2019	7.98	469	31	105	<0.1	0.06	<2
3/03/2020	4/03/2020	13/03/2020	7.46	474	18	246	0.4	0.32	8
23/06/2020	24/06/2020	30/06/2020	7.86	589	21	210	1.3	3.14	<2
29/07/2020	29/07/2020	6/08/2020	7.67	563	77	109	1.2	2.71	2
15/09/2020	16/09/2020	21/09/2020	7.54	488	13	144	0.9	2.85	<2

**UPPER LACHLAN SHIRE COUNCIL
CROOKWELL LANDFILL
EPA LICENCE NO. 6054**

POINT 3 - SEDIMENTATION DAM ON EASTERN PROPERTY

DATE			pH	CONDUCTIVITY	SUSPENDED SOLIDS mg/L	ALKALINITY	NITROGEN (AMMONIA) mg/L	NITRATE mg/L	BOD		
SAMPLES TAKEN	SAMPLES RECEIVED	RESULTS ISSUED									
26/06/2014	26/06/2014	4/07/2014	7.81	808	9	184	0.1	0.16	<2		
8/10/2014	9/10/2014	15/10/2014	8.27	789	6	227	<0.1	<0.05	5		
26/11/2014	27/11/2014	4/12/2014	8.16	940	16	283	<0.1	<0.05	5		
4/03/2015	5/03/2015	12/03/2015	8.26	964	<2	270	<0.1	<0.05	<2		
23/06/2015	24/06/2015	4/07/2015	8.01	847	4	213	<0.1	<0.05	<2		
29/09/2015	30/09/2015	9/10/2015	8.15	842	5	245	<0.1	0.24	2		
15/12/2015	16/12/2015	23/12/2015	7.84	935	4	296	<0.1	<0.05	<2		
22/03/2016	23/03/2016	31/03/2016	8.25	1060	<2	337	<0.1	<0.05	<2		
21/06/2016	22/06/2016	5/07/2016	7.74	608	7	112	<0.1	1.41	<2		
29/11/2016	30/11/2016	6/12/2016	7.95	908	4	323	<0.1	0.95	2		
20/12/2016	21/12/2016	3/01/2017	8.01	992	8	364	<0.1	<0.05	<2		
21/03/2017	22/03/2017	27/03/2017	8.04	824	22	294	<0.1	0.06	2		
27/06/2017	28/06/2017	4/07/2017	7.84	829	4	316	0.1	<0.05	<2		
22/08/2017	23/08/2017	29/08/2017	7.98	706	3	259	<0.1	<0.05	<2		
28/11/2017	29/11/2017	4/12/2017	7.68	539	7	218	0.1	<0.05	2		
27/03/2018	28/03/2018	5/04/2018	7.83	714	10	270	<0.1	<0.05	<2		
26/06/2018	27/06/2018	5/07/2018	7.75	780	13	277	0.2	<0.05	2		
18/09/2018	19/09/2018	27/08/2018	7.87	775	17	262	0.1	<0.05	2		
27/02/2019	27/02/2019	27/02/2019	No sample - dam dry								
11/06/2019	12/06/2019	12/06/2019	7.49	679	5	176	<0.1	0.66	<2		
11/09/2019	12/09/2019	20/09/2019	7.77	655	6	197	<0.1	<0.05	<2		
4/12/2019	4/12/2019	16/12/2019	No sample - dam dry								
3/03/2020	4/03/2020	13/03/2020	7.43	1030	5	86	<0.1	<0.05	<2		
23/06/2020	24/06/2020	30/06/2020	7.7	711	13	120	0.1	0.27	<2		
29/07/2020	29/07/2020	6/08/2020	7.42	485	46	84	<0.1	0.83	<2		
15/09/2020	16/09/2020	21/09/2020	7.47	873	4	163	<0.1	3.66	<2		

**UPPER LACHLAN SHIRE COUNCIL
CROOKWELL LANDFILL
EPA LICENCE NO. 6054**

POINT 4 - GROUNDWATER BORE MW 1

DATE			pH	CONDUCTIVITY	SUSPENDED SOLIDS mg/L	ALKALINITY	NITROGEN (AMMONIA) mg/L	NITRATE mg/L	BOD
SAMPLES TAKEN	SAMPLES RECEIVED	RESULTS ISSUED							
26/06/2014	26/06/2014	4/07/2014	5.48	103	33	14	0.1	0.52	<2
8/10/2014	9/10/2014	15/10/2014	5.72	101	12	13	<0.1	0.45	<2
26/11/2014	27/11/2014	4/12/2014	5.55	106	18	14	0.1	0.59	<2
4/03/2015	5/03/2015	12/03/2015	5.75	103	6	14	<0.1	0.5	<2
23/06/2015	24/06/2015	4/07/2015	5.92	104	57	17	<0.1	0.49	<2
29/09/2015	30/09/2015	9/10/2015	5.87	102	19	15	<0.1	0.5	<2
15/12/2015	16/12/2015	23/12/2015	5.64	114	21	15	<0.1	0.52	<2
22/03/2016	23/03/2016	31/03/2016	6.17	98	10	15	<0.1	0.56	<2
21/06/2016	22/06/2016	5/07/2016	5.99	101	21	18	<0.1	0.59	<2
29/11/2016	30/11/2016	6/12/2016	6.11	102	19	13	<0.1	0.58	<2
20/12/2016	21/12/2016	3/01/2017	6.11	108	30	14	<0.1	0.56	<2
21/03/2017	22/03/2017	27/03/2017	6.24	366	15	13	<0.1	0.54	<2
27/06/2017	28/06/2017	4/07/2017	6.1	111	9	14	<0.1	0.56	<2
22/08/2017	23/08/2017	29/08/2017	6.25	111	5	14	<0.1	0.5	<2
28/11/2017	29/11/2017	4/12/2017	6.3	105	6	13	<0.1	0.58	<2
27/03/2018	28/03/2018	5/04/2018	6.32	105	2	14	<0.1	0.61	<2
26/06/2018	27/06/2018	5/07/2018	5.97	109	13	14	<0.1	0.53	<2
18/09/2018	19/09/2018	27/08/2018	6.27	107	10	14	0.2	0.51	<2
27/02/2019	27/02/2019	27/02/2019	6.25	101	10	11	<0.1	0.64	<2
11/06/2019	12/06/2019	12/06/2019	5.94	106	4	11	<0.1	0.74	<2
11/09/2019	12/09/2019	20/09/2019	5.83	128	15	11	<0.1	0.55	<2
4/12/2019	4/12/2019	16/12/2019	6.15	99	29	10	<0.1	0.57	<2
3/03/2020	4/03/2020	13/03/2020	5.54	96	24	12	<0.1	0.66	<2
23/06/2020	24/06/2020	30/06/2020	6.49	102	14	21	0.2	0.63	<2
29/07/2020	29/07/2020	6/08/2020	6.25	104	8	22	<0.1	0.71	<2
15/09/2020	16/09/2020	21/09/2020	6.61	107	5	34	<0.1	0.65	<2

**UPPER LACHLAN SHIRE COUNCIL
CROOKWELL LANDFILL
EPA LICENCE NO. 6054**

POINT 5 - GROUNDWATER BORE MW2

DATE			pH	CONDUCTIVITY	SUSPENDED SOLIDS mg/L	ALKALINITY	NITROGEN (AMMONIA) mg/L	NITRATE mg/L	BOD
SAMPLES TAKEN	SAMPLES RECEIVED	RESULTS ISSUED							
26/06/2014	26/06/2014	4/07/2014	4.82	214	12	6	<0.1	7.34	<2
8/10/2014	9/10/2014	15/10/2014	5.06	223	6	7	<0.1	6.82	<2
26/11/2014	27/11/2014	4/12/2014	5.01	217	7	7	<0.1	6.85	<2
4/03/2015	5/03/2015	12/03/2015	5.24	210	9	7	<0.1	6.59	<2
23/06/2015	24/06/2015	4/07/2015	5.72	209	3	8	<0.1	6.66	<2
29/09/2015	30/09/2015	9/10/2015	5.37	220	3	7	<0.1	6.57	<2
15/12/2015	16/12/2015	23/12/2015	5.04	208	4	8	<0.1	6.55	<2
22/03/2016	23/03/2016	31/03/2016	5.55	202	7	8	<0.1	6.7	<2
21/06/2016	22/06/2016	5/07/2016	5.39	164	6	10	<0.1	6.99	<2
29/11/2016	30/11/2016	6/12/2016	5.2	214	4	4	<.1	4.73	<2
20/12/2016	21/12/2016	3/01/2017	5.43	209	18	6	<0.1	4.57	<2
21/03/2017	22/03/2017	27/03/2017	5.73	233	4	6	<0.1	4.6	<2
27/06/2017	28/06/2017	4/07/2017	5.49	211	3	6	<0.1	5.37	<2
22/08/2017	23/08/2017	29/08/2017	5.4	230	<2	4	<0.1	5.9	<2
28/11/2017	29/11/2017	4/12/2017	5.52	222	4	4	<0.1	5.84	<2
27/03/2018	28/03/2018	5/04/2018	5.57	211	4	9	<0.1	6.05	<2
26/06/2018	27/06/2018	5/07/2018	5.27	205	4	4	<0.1	6.18	<2
18/09/2018	19/09/2018	27/08/2018	5.42	210	5	3	0.1	6.09	<2
27/02/2019	27/02/2019	27/02/2019	5.61	198	6	4	<0.1	6.53	<2
11/06/2019	12/06/2019	12/06/2019	5.21	192	2	2	<0.1	6.32	<2
11/09/2019	12/09/2019	20/09/2019	5.03	190	2	2	0.2	6.83	<2
4/12/2019	4/12/2019	16/12/2019	5.22	206	10	3	<0.1	6.31	<2
3/03/2020	4/03/2020	13/03/2020	5	194	2	6	<0.1	7.22	Insufficient sample
23/06/2020	24/06/2020	30/06/2020	5.71	201	7	8	<0.1	6.45	<2
29/07/2020	29/07/2020	6/08/2020	5.49	200	3	7	<0.1	6.84	<2
15/09/2020	16/09/2020	21/09/2020	5.32	217	6	7	<0.1	6.42	<2

**UPPER LACHLAN SHIRE COUNCIL
CROOKWELL LANDFILL
EPA LICENCE NO. 6054**

POINT 6 - GROUNDWATER BORE MW3

DATE			pH	CONDUCTIVITY	SUSPENDED SOLIDS mg/L	ALKALINITY	NITROGEN (AMMONIA) mg/L	NITRATE mg/L	BOD
SAMPLES TAKEN	SAMPLES RECEIVED	RESULTS ISSUED							
11/09/2019	12/09/2019	20/09/2019	BORE DID NOT RECHARGE						
4/12/2019	4/12/2019	16/12/2019	BORE DID NOT RECHARGE						
3/03/2020	4/03/2020	13/03/2020	NO SAMPLE						
23/06/2020	24/06/2020	30/06/2020	NO SAMPLE						
29/07/2020	29/07/2020	6/08/2020	NO SAMPLE						
15/09/2020	16/09/2020	21/09/2020	NO SAMPLE						
22/12/2020	23/12/2020	5/01/2021	NO SAMPLE						
11/05/2021	12/05/2021	19/05/2021	NO SAMPLE						
15/03/2022	16/03/2022	23/03/2022	NO SAMPLE						
16/06/2022			No Sample Taken						
14/09/2022			No Sample Taken						
14/12/2022			No Sample Taken						
15/03/2023			No Sample Taken						
14/06/2023			No Sample Taken						
28/09/2023	29/09/2023	6/10/2023	NO SAMPLE						

**UPPER LACHLAN SHIRE COUNCIL
CROOKWELL LANDFILL
EPA LICENCE NO. 6054**

POINT 7 - GROUNDWATER BORE MW4S (MW4)

DATE			pH	CONDUCTIVITY	ALKALINITY	NITROGEN (AMMONIA) mg/L	NITRATE mg/L	BOD
SAMPLES TAKEN	SAMPLES RECEIVED	RESULTS ISSUED						
26/06/2014	26/06/2014	4/07/2014	4.57	372	5	0.1	16.5	<2
8/10/2014	9/10/2014	15/10/2014	4.66	385	5	<0.1	19.2	<2
26/11/2014	27/11/2014	4/12/2014	4.63	384	6	0.1	18	<2
4/03/2015	5/03/2015	12/03/2015	4.78	388	5	0.1	15.7	<2
23/06/2015	24/06/2015	4/07/2015	4.78	390	7	0.1	12.9	<2
29/09/2015	30/09/2015	9/10/2015	5.21	391	6	0.1	17.2	<2
15/12/2015	16/12/2015	23/12/2015	4.73	395	6	0.1	16.6	<2
22/03/2016	23/03/2016	31/03/2016	4.76	386	5	0.2	12.7	<2
21/06/2016	22/06/2016	5/07/2016	4.98	492	8	0.2	6.99	<2
29/11/2016	30/11/2016	6/12/2016	4.92	393	3	0.1	15.5	<2
20/12/2016	21/12/2016	3/01/2017	5	393	3	0.1	17.4	<2
21/03/2017	22/03/2017	27/03/2017	5.66	419	12	0.1	16.3	<2
27/06/2017	28/06/2017	4/07/2017	5.06	400	4	<0.1	16.2	<2
22/08/2017	23/08/2017	29/08/2017	4.89	405	2	<0.1	15.2	<2
28/11/2017	29/11/2017	4/12/2017	5.07	401	2	0.1	13.9	<2
27/03/2018	28/03/2018	5/04/2018	4.91	391	86	3	12.4	<2
26/06/2018	27/06/2018	5/07/2018	4.95	462	32	4	5.39	<2
18/09/2018	19/09/2018	27/08/2018	5.02	407	3	0.3	14.2	<2
27/02/2019	27/02/2019	27/02/2019	5.09	402	2	0.2	9.22	<2
11/06/2019	12/06/2019	12/06/2019	4.82	406	<1	0.2	6.37	<2
11/09/2019	12/09/2019	20/09/2019	4.91	355	2	0.1	8.3	<2
4/12/2019	4/12/2019	16/12/2019	4.77	424	1	0.2	7.73	<2
3/03/2020	4/03/2020	13/03/2020	4.62	372	4	<0.1	3.61	<2
23/06/2020	24/06/2020	30/06/2020	5.3	461	6	0.1	0.1	<2
29/07/2020	29/07/2020	6/08/2020	5.12	406	4	<0.1	5.13	<2
15/09/2020	16/09/2020	21/09/2020	5	413	4	<0.1	10.6	<2

**UPPER LACHLAN SHIRE COUNCIL
CROOKWELL LANDFILL
EPA LICENCE NO. 6054**

POINT 8 - GROUNDWATER BORE MW4D (MW5)

DATE			pH	CONDUCTIVITY	ALKALINITY	NITROGEN (AMMONIA) mg/L	NITRATE mg/L	BOD	
SAMPLES TAKEN	SAMPLES RECEIVED	RESULTS ISSUED							
26/06/2014	26/06/2014	4/07/2014	5.95	631	48	<0.1	0.09	3	
8/10/2014	9/10/2014	15/10/2014	6.37	608	103	<0.1	0.12	3	
26/11/2014	27/11/2014	4/12/2014	6.49	723	125	<0.1	0.09	3	
4/03/2015	5/03/2015	12/03/2015	6.68	923	143	0.1	<0.05	<2	
23/06/2015	24/06/2015	4/07/2015	6.38	828	89	<0.1	<0.05	<2	
29/09/2015	30/09/2015	9/10/2015	6.59	697	122	<0.1	<0.05	3	
15/12/2015	16/12/2015	23/12/2015	6.31	796	154	0.1	<0.05	<2	
22/03/2016	No Sample								
21/06/2016	22/06/2016	5/07/2016	6.53	492	24	<0.1	<0.01	<2	
29/11/2016	30/11/2016	6/12/2016	6.69	626	109	<0.1	<0.05	<2	
20/12/2016	21/12/2016	3/01/2017	6.92	638	110	0.1	<0.05	<2	
21/03/2017	22/03/2017	27/03/2017	7.04	876	147	0.1	<0.05	<2	
27/06/2017	28/06/2017	4/07/2017	7.39	1010	196	<0.1	<0.05	<2	
22/08/2017	23/08/2017	29/08/2017	7.03	978	233	<0.1	<0.05	2	
28/11/2017	29/11/2017	4/12/2017	7	892	266	0.1	<0.05	<2	
27/03/2018	28/03/2018	5/04/2018	BORE DID NOT RECHARGE						
26/06/2018	27/06/2018	5/07/2018	6.72	1020	114	<0.1	<0.05	3	
18/09/2018	19/09/2018	27/08/2018	7.34	1250	413	0.2	0.09	<2	
27/02/2019	27/02/2019	27/02/2019	BORE DID NOT RECHARGE						
11/06/2019	12/06/2019	12/06/2019	7.13	1090	87	<0.1	0.28	Insufficient sample	
11/09/2019	12/09/2019	20/09/2019	6.8	1070	491	0.2	<0.05	2	
4/12/2019	4/12/2019	16/12/2019	BORE DID NOT RECHARGE						
3/03/2020	4/03/2020	13/03/2020	BORE DID NOT RECHARGE						
23/06/2020	24/06/2020	30/06/2020	6.91	660	68	0.1	2.7	<2	
29/07/2020	29/07/2020	6/08/2020	5.12	406	4	<0.1	5.13	<2	
15/09/2020	16/09/2020	21/09/2020	DID NOT RECHARGE						

