Environment Protection Licence No. 6267 - Englands Road Waste Management Facility — **Monitoring Data**

Link to Licence on EPA Website: http://www.environment.nsw.gov.au/prpoeoapp/

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Coffs Harbour City Council

Locked Bag 155, Coffs Harbour NSW 2450

AIR

Monitoring Point Type	Landfill Gas Generation Monitoring - Sub-surface methane gas monitoring bores surrounding landfill							
Monitoring Frequency	6 monthly							
Pollutant	Methane gas							
Unit of Measure	Percent (%) by volume							
Trigger for further investigation	1.25% (v/v)		% Methane					
EPA Identification No.	**Point 17**	Point 18	**Point 19**	**Point 20**				**Notes**
Location	Gas Bore 1	Gas Bore2	Gas Bore 3	Gas Bore 4	gas bore A (Nth)	gas bore B (Sth)		Gas Bore 1 was accidently destroyed late 2004
Date Sampled							**Date Published**	despite being advised of this - EPA retain the Point in the Licence
28/02/2018	Destroyed		nil	nil	nil	nil	17/07/2018	
27/04/2018	Destroyed		nil	nil	nil	nil	17/07/2018	
22/06/2018	Destroyed		nil	nil	nil	nil	17/07/2018	
14/12/2018	Destroyed		nil	nil	nil	0.1	19/06/2019	
13/02/2019	Destroyed		nil	nil	nil	nil	19/06/2019	
12/04/2019	Destroyed		nil	nil	nil	nil	13/08/2020	
17/06/2019	Destroyed		nil	nil	nil	nil	13/08/2020	
22/11/2019	Destroyed		nil	nil	nil	nil	13/08/2020	
2/03/2020	Destroyed		nil	nil	nil	nil	13/08/2020	
22/05/2020	Destroyed		nil	nil	nil	nil	13/08/2020	
24/07/2020	Destroyed		nil	nil	nil	nil	13/08/2020	
7/12/2020	Destroyed		0	0	0	0	16/08/2021	
4/03/2021	Destroyed		0	0	not sampled	not sampled	16/08/2021	
25/05/2021	Destroyed		0	0.14	0.4	0.05	16/08/2021	
24/06/2021	Destroyed	no sample due to grou	0.6	0	0.6	0	16/08/2021	
10/11/2021	Destroyed		nil	nil	nil	nil	17/06/2022	
9/03/2022	Destroyed		0.2	not sampled	0.2	nil	29/09/2022	
6/05/2022	Destroyed		0.3	nil	nil	nil	29/09/2022	
28/06/2022	Destroyed		0.2	nil	0.5	nil	29/09/2022	
27/10/2022	Destroyed		0	0	0	0	1/06/2023	
20/12/2022	Destroyed		0	0	0	0	1/06/2023	
13/04/2023	Destroyed		0	0	0	0	1/06/2023	

Monitoring Point Type	Ambient Air Quality Monitoring - Landfill Surface Methane Gas Monitoring		
Monitoring Frequency	Monthly		
Pollutant	Methane gas		
Unit of Measure	Parts per million		
Trigger for further action	500 parts per million methane		
EPA Identification No.	**Licence Condition M9.5**		
Location	**Surface of the landfill**		
Date Sampled	Parts per million Methane	**Date Published**	**Notes**
17/01/2018	All results less than 500 parts per million methane	19/01/2018	
14/02/2018	All results less than 500 parts per million methane	23/04/2018	
14/03/2018	All results less than 500 parts per million methane	23/04/2018	
11/04/2018	All results less than 500 parts per million methane	23/04/2018	
16/05/2018	All results less than 500 parts per million methane	17/07/2018	
13/06/2018	All results less than 500 parts per million methane	17/07/2018	
11/07/2018	All results less than 500 parts per million methane	17/07/2018	
15/08/2018	All results less than 500 parts per million methane	5/11/2018	
12/09/2018	All results less than 500 parts per million methane	5/11/2018	
24/10/2018	All results less than 500 parts per million methane	5/11/2018	
16/01/2019	All results less than 500 parts per million methane	22/01/2018	
15/02/2019	All results less than 500 parts per million methane	26/04/2019	
13/03/2019	All results less than 500 parts per million methane	26/04/2019	
10/04/2019	All results less than 500 parts per million methane	26/04/2019	
17/05/2019	All results less than 500 parts per million methane	19/06/2019	
12/06/2019	All results less than 500 parts per million methane	19/06/2019	
3/07/2019	All results less than 500 parts per million methane	2/08/2019	
14/08/2019	All results less than 500 parts per million methane	31/10/2019	
11/09/2019	All results less than 500 parts per million methane	31/10/2019	
16/10/2019	All results less than 500 parts per million methane	31/10/2019	
13/11/2019	All results less than 500 parts per million methane	18/06/2020	
9/12/2019	All results less than 500 parts per million methane	18/06/2020	
23/01/2020	All results less than 500 parts per million methane	18/06/2020	
19/02/2020	All results less than 500 parts per million methane	18/06/2020	
12/03/2020	All results less than 500 parts per million methane	18/06/2020	
8/04/2020	All results less than 500 parts per million methane	18/06/2020	
13/05/2020	All results less than 500 parts per million methane	18/06/2020	
12/06/2020	All results less than 500 parts per million methane	18/06/2020	
14/07/2020	All results less than 500 parts per million methane	20/07/2020	
12/08/2020	All results less than 500 parts per million methane	13/08/2020	
16/09/2020	All results less than 500 parts per million methane	16/09/2020	
14/10/2020	All results less than 500 parts per million methane	15/10/2020	
13/11/2020	All results less than 500 parts per million methane	16/08/2021	
16/12/2020	All results less than 500 parts per million methane	16/08/2021	
19/01/2021	All results less than 500 parts per million methane	16/08/2021	
17/02/2021	All results less than 500 parts per million methane	16/08/2021	
18/03/2021	incomplete due to rainfall and impact on monitor. results obtained all less than 500 parts per million methane	16/08/2021	
20/04/2021	All results less than 500 parts per million methane	16/08/2021	
19/05/2021	All results less than 500 parts per million methane - with excepted problem area reported as per PRP	16/08/2021	
16/06/2021	All results less than 500 parts per million methane - with excepted problem area reported as per PRP	16/08/2021	
20/07/2021	All results less than 500 parts per million methane - with excepted problem area reported as per PRP	16/08/2021	
26/08/2021	All results less than 500 parts per million methane - with the exception of one location adjacent to the west access Rd. Additional capping applied to this location	31/08/2021	
28/09/2021	All results less than 500 parts per million methane - with the exception of three locations. Rectification works include additional capping and compaction.	28/09/2021	
27/10/2021	All results less than 500 parts per million methane - with exception of the problematic area reported as per PRP	11/11/2021	
16/11/2021	All results less than 500 parts per million methane - with exception of one location on the SW batter which is being monitored & rectified.	1/12/2021	Site repaired December
14/12/2021	All results less than 500 parts per million methane - with the exception of four locations. Rectification works include additional capping	7/01/2022	Sites repaired December
21/01/2022	All results less than 500 parts per million methane	7/02/2022	
16/02/2022	All results less than 500 parts per million methane	22/03/2022	
15/03/2022	All results less than 500 parts per million methane	30/05/2022	
20/04/2022	All results less than 500 parts per million methane - with the exception of two locations.	30/05/2022	Additional capping applied to these two locations in accordance with Environmental Guidelines: Solid Waste Landfills (2016). Rectification works completed 21/04/2022
27/04/2022	Targetted monitoring identified five locations with results >500ppm.	30/05/2022	Additional capping applied to these locations in accordance with Environmental Guidelines: Solid Waste Landfills (2016). Rectification works in progress for one remaining location.
11/05/2022	Targetted monitoring identied one location with results >500ppm.	30/05/2022	Additional capping applied to this location in accordance with Environmental Guidelines: Solid Waste Landfills (2016). Rectification works completed 13/05/2022.
16/05/2022	All results less than 500 parts per million methane - with the exception of one location.	30/05/2022	Additional capping applied to this location in accordance with Environmental Guidelines: Solid Waste Landfills (2016). Rectification works completed 23/05/2022.
28/07/2022	Most results less than 500 parts per million, targetted monitoring identied five locations with results >500ppm (four being pipe specific, one small area of top intermediate capping).	29/09/2022	Additional capping applied to this location in accordance with Environmental Guidelines: Solid Waste Landfills (2016). Rectification works completed
15/09/2022	Most results less than 500 parts per million, targetted monitoring identied three locations with results >500ppm (1 being pipe specific, another Leachate Tank 3 and one small area o	29/09/2022	Additional capping applied to this location in accordance with Environmental Guidelines: Solid Waste Landfills (2016). Rectification works completed September 2022.
12/10/2022	Most results less than 500 parts per million, targetted monitoring identied various locations with results >500ppm (Four being pipe specific, and one small area of top intermediate ca	19/10/2022	Additional capping applied to this location in accordance with Environmental Guidelines: Solid Waste Landfills (2016). Rectification works completed October 2022
16/11/2022	Most results less than 500 parts per million, targetted monitoring identied five locations with results >500ppm (4 relating to run energy works and one small area of top intermediate c	30/11/2022	Localised treatment and investigation ongoing
14/12/2022	Most results less than 500 parts per million, targetted monitoring identied various locations with results >500ppm (26 locations with >500ppm).	5/12/2022	Localised treatment and investigation ongoing
17/01/2023	Most results less than 500 parts per million, targetted monitoring identied various locations with results >500ppm (19 locations with >500ppm).	25/01/2023	Localised treatment and investigation ongoing
13/02/2023	Most results less than 500 parts per million, targetted monitoring identied various locations with results >500ppm (7 general locations with >500ppm).	4/04/2023	Localised treatment and investigation ongoing
15/03/2023	Most results less than 500 parts per million, targetted monitoring identied various locations with results >500ppm (7 general locations with >500ppm).	4/04/2023	Localised treatment and investigation ongoing
17/04/2023	Most results less than 500 parts per million, targetted monitoring identied various locations with results >500ppm (9 general locations with >500ppm).	1/06/2023	Localised treatment and investigation ongoing
17/05/2023	Most results less than 500 parts per million, targetted monitoring identified various locations with results >500ppm (7 general locations with >500ppm).	1/06/2023	Localised treatment and investigation ongoing
15/06/2023	Most results less than 500 parts per million, targetted monitoring identified various locations with results >500ppm (6 general locations with >500ppm).		Localised treatment and investigation ongoing
17/07/2023	Most results less than 500 parts per million, targetted monitoring identified various locations with results >500ppm (8 general locations with >500ppm).		Localised treatment and investigation ongoing
23/08/2023	Most results less than 500 parts per million, targetted monitoring identified various locations with results >500ppm (11 general locations with >500ppm).		Localised treatment and investigation ongoing
20/09/2023	Most results less than 500 parts per million, targetted monitoring identified various locations with results >500ppm (3 general locations with >500ppm).		Localised treatment and investigation ongoing
23/10/2023	Most results less than 500 parts per million, targetted monitoring identified various locations with results >500ppm (9 general locations with >500ppm).		Localised treatment and investigation ongoing
22/11/2023	Most results less than 500 parts per million, targetted monitoring identified various locations with results >500ppm (10 general locations with >500ppm).		Localised treatment and investigation ongoing
8/12/2023	Most results less than 500 parts per million, targetted monitoring identified various locations with results >500ppm (6 general locations with >500ppm).		Localised treatment and investigation ongoing

Monitoring Point Type	Ambient Air Quality Monitoring - All buildings Within 250m of the waste filled areas of the premises											
Monitoring Frequency	Quarterly											
Pollutant	Methane gas											
Unit of Measure	Percent (%) by volume		% Methane									
Trigger for further action	1.25% (v/v)											
EPA Identification No.	**Point 25 - various buildings**											
Location	Weighbridge Office	**Operator container**	Operator lunchroom	Truckwash	25 Englands Road	31 Englands Road	Offsite Location A	Offsite Location B	Offsite Location C	Offsite Location D	Offsite Location E	Offsite Location F
Date Sampled	(On-site)	**(On-site shed)**	(On-site shed)	(On-site shed)	(Handyblin Office)	(CCRRF building)	(Depot)	(Dwelling)	(Shed)	(Depot)	(Dwelling)	(Shed)
17/01/2018	nil	nil	nil	nil	nil	nil	nil	nil	nil	no access premises vacated and locked	no access	nil
11/04/2018	nil	nil	nil	nil	nil	nil	no access premises vacated and locked	nil	nil	nil	nil	nil
11/07/2018	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil
24/10/2018	nil	nil	nil	nil	nil	nil	no access premises vacated and locked	no access premises vacated and locked	nil	nil	nil	nil
16/01/2019	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil
10/04/2019	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil
3/07/2019	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil
16/10/2019	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil
29/01/2020	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil

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8/04/2020	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil
14/07/2020	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil
14/10/2020	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil
19/01/2021	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil
20/04/2021	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil
20/07/2021	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil
20/10/2021	nil	nil	nil	nil	nil	nil	nil	nil	no access	nil	nil	nil
21/01/2022	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil
20/04/2022	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil	nil
28/07/2022	nil	nil	nil	nil	nil	nil	not accessed	not accessed	not accessed	nil	not accessed	not accessed
11/10/2022	nil	nil	nil	nil	Did not permit entry	nil	no access premises vacated and locked	no access premises vacated and locked	nil	nil	nil	nil
20/01/2023	nil	nil	nil	nil	nil	nil	no access premises vacated and locked	no access premises vacated and locked	not accessed	nil	nil	nil
21/04/2023	nil	nil	nil	nil	nil	nil	no access premises vacated and locked	no access premises vacated and locked	nil	nil	nil	nil
24/08/2023	nil	nil	nil	nil	nil	nil	no access premises vacated and locked	no access premises vacated and locked	Not accessed - refused entry	no access premises vacated and locked	nil	nil
1/11/2023	nil	nil	nil	nil	nil	nil	no access premises vacated and locked	no access premises vacated and locked	Not accessed - refused entry	no access premises vacated and locked	nil	nil

WATER

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Monitoring Point Type Leachate Quality Monitoring
Monitoring Frequency 6 monthly
EPA Identification No. **Point 22**
Location "Greenwaste" Pond (Northern Leachate Storage Dam)

Pollutant / **Unit of Measure** / **Date Sampled**	Alkalinity mg/L	Ammonia mg/L	Biochemical Oxygen Demand mg/L	Calcium mg/L	Chloride mg/L	Nitrate mg/L	Total Nitrogen mg/L	pH units	Potassium mg/L	Sodium mg/L	Sulfate mg/L	Total Kjeldahl Nitrogen mg/L
5/02/2018	169	2.35	10	14	239	0.44	10.4	7.9	75	180	135	9.99
24/04/2018	362	4.38	47	28	338	0.14	21.6	8.7	91	267	18	20.8
4/09/2018	144	0.38	23	17	177	0.31	11.9	9.3	47	130	53	11.5
24/04/2019	390	10.5	21	41	394	0.18	21.6	8.7	80	231	60	20.7
10/02/2020	241	8.63	27	23	201	0.14	19.1	9	59	157	18	18.9
30/03/2020	808	95.8	23	72	280	0.02	109	8	89	235	30	109
13/10/2020	618	0.42	69	23	640	<0.02	58.1	9.3	158	495	22	58.1
16/12/2020	236	6.29	17	15	195	0.11	15	8.3	56	141	11	14.8
17/02/2021	691	69.7	23	56	362	<0.02	92.9	8.2	88	236	9.7	92.3
23/03/2021	381	37.3	14	36	140	0.34	43.4	7.9	44	111	4.4	41
26/10/2021	285	11.7	20	26	222	0.24	23.9	8.6	52	180	16	23.4
9/02/2022	492	37.3	151	51	283	<0.02	52.9	7.5	75	221	11	40.6
27-Sep-22	492	49.2	10	40	231	0.56	64.5	8.9	54	187	16	63.6
31/03/2023	634	54	70	44	296	0.14	78.4	8.2	90	299	6.7	78.3
7/11/2023	491	10.3	10	32	494	0.19	22.9	9	127	422	18	22.3

Monitoring Point Type Leachate Quality Monitoring
Monitoring Frequency 6 monthly
EPA Identification No. **Point 23**
Location Active Cell Leachate Pond (Western Leachate Storage Dam)

Pollutant / **Unit of Measure** / **Date Sampled**	Alkalinity mg/L	Ammonia mg/L	Biochemical Oxygen Demand mg/L	Calcium mg/L	Chloride mg/L	Nitrate mg/L	Total Nitrogen mg/L	pH units	Potassium mg/L	Sodium mg/L	Sulfate mg/L	Total Kjeldahl Nitrogen mg/L
5/02/2018	506	8.07	35	18	616	0.05	59.3	9.4	230	590	33	59
24/04/2018	615	48.8	133	47	422	<0.05	61.2	8.3	113	353	24	54.5
4/09/2018	719	75.3	88	60	361	0.4	79.7	8.4	103	285	59	78.7
24/04/2019	512	27.8	34	51	488	<0.02	46.5	8.8	99	295	38	43.3
10/02/2020	425	25.2	36	38	322	0.08	41.8	8.9	89	255	6.6	41.6
30/03/2020	1060	160	59	91	364	<0.02	173	8.5	119	326	64	172
13/10/2020	1120	85.4	25	57	697	0.09	110	8.9	182	580	12	109
16/12/2020	325	27.6	15	27	191	0.15	28.1	8.3	54	139	19	27.7
17/02/2021	963	126	43	71	468	0.03	137	7.9	107	301	12	136
22/03/2021	523	64.2	49	49	184	0.94	79.4	7.7	58	146	7.2	73.6
23/03/2021	559	72.6	58	52	190	0.44	82.6	7.7	59	151	7.6	78.6
24/03/2021	643	84.3	63	57	208	0.38	92.2	7.8	66	166	8.1	89.4
26/10/2021	571	48.2	17	44	365	0.13	58.3	8.6	88	315	28	57.5
9/02/2022	696	75.9	619	62	340	<0.02	104	7.8	93	271	15	90.1
6/04/2022	493	55	48	53	171	3.79	67.1	7.5	50	143	25	57.5
27/09/2022	791	106	13	62	342	0.61	128	8.7	84	286	23	127
31/03/2023	1,010	109	52	62	471	<0.02	144	8.3	114	371	7.7	144
07/11/2023	807	51.8	<8	48	666	0.12	59.2	8.5	181	609	25	58.2

Monitoring Point Type Leachate Quality Monitoring
Monitoring Frequency 6 monthly
EPA Identification No. **Point 26**
Location Leachate Collection Tanks (LIT) - COMPOSITE SAMPLE (Composite may comprise 2 or more individual LIT tank samples combined)

Pollutant / **Unit of Measure** / **Date Sampled**	Alkalinity mg/L	Ammonia mg/L	Biochemical Oxygen Demand mg/L	Calcium mg/L	Chloride mg/L	Nitrate mg/L	Total Nitrogen mg/L	pH units	Potassium mg/L	Sodium mg/L	Sulfate mg/L	Total Kjeldahl Nitrogen mg/L
5/02/2018	Individual samples taken from LIT											
11/05/2018	Individual samples taken from LIT											
4/09/2018	Individual samples taken from LIT											
24/04/2019	Individual samples taken from LIT											
10/02/2020	Individual samples taken from LIT											
30/03/2020	Individual samples taken from LIT											
13/10/2020	Individual samples taken from LIT											
17/02/2021	Individual samples taken from LIT											
25/10/2021	Individual samples taken from LIT3											
26/10/2021	Individual samples taken from LIT1, LIT4 & LIT5											
9/02/2022	Individual samples taken from LIT1, LIT3, LIT4 & LIT5											
27/09/2022	Individual samples taken from LIT											
31/03/2023	Individual samples taken from LIT											
7/11/2023	Individual samples taken from LIT											

Monitoring Point Type Leachate Quality Monitoring
Monitoring Frequency 6 monthly
EPA Identification No. **Point 26**
Location Leachate Collection Tank No.1 (LIT1)

Pollutant / **Unit of Measure** / **Date Sampled**	Alkalinity mg/L	Ammonia mg/L	Biochemical Oxygen Demand mg/L	Calcium mg/L	Chloride mg/L	Nitrate mg/L	Total Nitrogen mg/L	pH units	Potassium mg/L	Sodium mg/L	Sulfate mg/L	Total Kjeldahl Nitrogen mg/L
5/02/2018	1590	281	91	55	885	7.84	304	7.5	250	820	135	292
24/04/2018	3520	648	84	80	1010	0.1	663	7	313	879	52	663
4/09/2018	1370	227	68	57	731	6.1	236	8	128	532	143	227
24/04/2019	1070	126	22	128	383	7.36	157	7	87	224	63	149
10/02/2020	3610	656	83	81	981	<0.02	657	7	309	862	94	657
30/03/2020	2060	367	55	101	691	2.73	369	7	179	557	126	367
13/10/2020	1590	246	52	61	914	4.3	256	7.3	134	660	84	251
16/12/2020	3140	532	52	128	842	12	532	7.30	269	636	79	532
17/02/2021	2170	420	40	110	652	0.63	442	7.30	178	524	18	441
26/10/2021	1980	320	43	90	581	<0.02	334	7.3	162	510	52	334
9/02/2022	1780	340	67	80	537	0.13	345	6.7	142	429	21	345
27/09/2022	1830	275	44	86	583	<0.02	323	7.3	149	468	11	323
31/03/2023	254	24	<5	19	271	0.5	28.3	8.5	16	210	41	27.6
07/11/2023	2770	546	66	79	895	0.52	585	7.9	301	892	19	584

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Monitoring Point Type Leachate Quality Monitoring
Monitoring Frequency 6 monthly
EPA Identification No. **Point 26**
Location Leachate Collection Tank No.3 (LIT3)

Pollutant / **Unit of Measure** / **Date Sampled**	Alkalinity mg/L	Ammonia mg/L	Biochemical Oxygen Demand mg/L	Calcium mg/L	Chloride mg/L	Nitrate mg/L	Total Nitrogen mg/L	pH units	Potassium mg/L	Sodium mg/L	Sulfate mg/L	Total Kjeldahl Nitrogen mg/L
5/02/2018	241	8.52	7	95	406	5.1	16.3	6.6	32	300	192	10.8
24/04/2018	345	46.2	17	49	694	4.69	54.1	6.6	35	449	167	49.2
4/09/2018	3850	683	75	76	1310	<0.05	750	7	312	1,020	92	750
24/04/2019	545	7.26	31	158	181	4.82	23.6	7	25	88	48	16.8
10/02/2020	400	10.6	7	115	69	0.97	12.8	7	21	60	63	11.3
30/03/2020	3620	729	67	124	903	<0.02	729	7	281	828	109	729
13/10/2020	593	96.3	9	39	946	1.84	99.1	6.6	55	608	199	96.3
16/12/2020	1520	207	56	224	301	<0.02	218	7.0	104	230	191	218
17/02/2021	729	123	17	54	288	<0.02	123	6.7	67	178	19	123
25/10/2021	4350	811	73	122	1270	<0.02	846	7.3	378	1190	12	846
9/02/2022	3340	576	67	129	786	<0.02	588	6.8	244	705	<2	588
27/09/2022	3980	633	90	128	1080	<0.02	737	7.5	310	957	3.5	737
31/03/2023	1250	188	29	100	364	5.37	196	6.7	91	378	57	189
07/11/2023	804	107	30	115	331	3.34	123	7.8	68	277	116	118

Monitoring Point Type Leachate Quality Monitoring
Monitoring Frequency 6 monthly
EPA Identification No. **Point 26**
Location Leachate Collection Tank No.4 (LIT4)

Pollutant / **Unit of Measure** / **Date Sampled**	Alkalinity mg/L	Ammonia mg/L	Biochemical Oxygen Demand mg/L	Calcium mg/L	Chloride mg/L	Nitrate mg/L	Total Nitrogen mg/L	pH units	Potassium mg/L	Sodium mg/L	Sulfate mg/L	Total Kjeldahl Nitrogen mg/L
5/02/2018	insufficient sample											
11/04/2018	insufficient sample											
4/09/2018	insufficient sample											
26/04/2019	1970	235	23	275	326	0.21	241	7.6	113	286	76	240
10/02/2020	1400	174	>764	238	258	0.16	182	6.9	97	221	74	182
30/03/2020	insufficient sample											
30/03/2020	insufficient sample											
16/12/2020	1440	190	106	251	250	<0.02	196	6.9	96	196	207	196
17/02/2021	insufficient sample											
26/10/2021	1200	172	18	89	380	0.14	179	7.3	86	328	61	179
9/02/2022	2310	385	18	164	450	0.07	516	6.7	146	407	21	516
27/09/2022	insufficient for analysis	421	insufficient for analysis	164	549	<0.02	445	7.6	159	500	29	442
31/03/2023	3180	510	96	135	777	0.53	611	7.6	203	614	19	610
07/11/2023	3160	636	153	153	837	0.07	783	7.9	286	842	116	782

WATER

Monitoring Point Type Leachate Quality Monitoring
Monitoring Frequency 6 monthly
EPA Identification No. **Point 26**
Location Leachate Collection Tank No.5 (LIT5)

Pollutant / **Unit of Measure** / **Date Sampled**	Alkalinity mg/L	Ammonia mg/L	Biochemical Oxygen Demand mg/L	Calcium mg/L	Chloride mg/L	Nitrate mg/L	Total Nitrogen mg/L	pH units	Potassium mg/L	Sodium mg/L	Sulfate mg/L	Total Kjeldahl Nitrogen mg/L
5/02/2018	395	60.8	9	49	169	1.08	62.3	6.7	66	130	60	61.1
24/04/2018	insufficient sample for analysis											
4/09/2018	2710	476	138	111	878	1.19	485	8	256	690	74	483
26/04/2019	947	118	10	117	305	<0.02	137	7.0	82	223	108	137
10/02/2020	599	84	42	64	187	<0.02	91	6.7	63	149	46	91
30/03/2020	1170	179	18	103	333	<0.02	181	6.8	99	280	62	181
16/12/2020	583	79.4	20	73	134	0.08	80.3	6.7	50	103	58	80.2
17/02/2021	2150	399	67	108	571	0.78	413	7.3	155	483	17	412
26/10/2021	1110	171	15	82	396	<0.02	177	6.9	96	347	75	177
9/02/2022	894	119	25	64	309	<0.02	130	6.3	69	245	16	130
27/09/2022	953	127	20	75	347	<0.02	135	7	73	291	30	135
31/03/2023	1070	146	27	76	355	<0.02	163	7	84	279	19	163
07/11/2023	978	162	25	105	397	2.45	174	7.6	113	366	178	172

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Monitoring Point Type Groundwater Quality Monitoring
Monitoring Frequency 6 monthly
EPA Identification No. **Point 27**
Location Groundwater Collection Tanks (GIT) - COMPOSITE SAMPLE (Composite may comprise 2 or more individual GIT tank samples combined)

Pollutant / Unit of Measure / Date Sampled	Alkalinity mg/L	Ammonia mg/L	Biochemical Oxygen Demand mg/L	Calcium mg/L	Chloride mg/L	Nitrate mg/L	Total Nitrogen mg/L	pH units	Potassium mg/L	Sodium mg/L	Sulfate mg/L	Total Kjeldahl Nitrogen mg/L
5/02/2018	Individual sample taken from GIT1, GIT2 and GIT3											
24/04/2018	Individual sample taken from GIT1, GIT2 and GIT3											
4/09/2018	Individual sample taken from GIT1, GIT2 and GIT3											
24/04/2019	Individual sample taken from GIT1, GIT2 and GIT3											
10/02/2020	Individual sample taken from GIT1, GIT2 and GIT3											
30/03/2020	Individual sample taken from GIT1, GIT2 and GIT3											
13/10/2020	Individual sample taken from GIT1, GIT2 and GIT4											
16/12/2020	Individual sample taken from GIT1, GIT2 and GIT5											
25/10/2021	Individual sample taken from GIT1											
26/10/2021	Individual sample taken from GIT2 and GIT5											
9/02/2022	Individual sample taken from GIT1, GIT2 and GIT3											
27/09/2022	Individual sample taken from GIT1, GIT2 and GIT3											
31/03/2023	Individual sample taken from GIT1, GIT2 and GIT3											
7/11/2023	Individual sample taken from GIT1, GIT2 and GIT3											

Monitoring Point Type Groundwater Quality Monitoring
Monitoring Frequency 6 monthly
EPA Identification No. **Point 27**
Location Groundwater Collection Tank No.1 (GIT1) (south)

Pollutant / Unit of Measure / Date Sampled	Alkalinity mg/L	Ammonia mg/L	Biochemical Oxygen Demand mg/L	Calcium mg/L	Chloride mg/L	Nitrate mg/L	Total Nitrogen mg/L	pH units	Potassium mg/L	Sodium mg/L	Sulfate mg/L	Total Kjeldahl Nitrogen mg/L
5/02/2018	299	1.34	5	110	147	0.34	17.4	6.8	21	53	69	17.1
24/04/2018	184	3.28	3	24	607	3.42	8.04	6.7	5.9	345	69	4.46
4/09/2018	232	2.31	18	54	579	12.3	16.7	7.3	20	353	179	3.99
24/04/2019	Insufficient sample volume											
10/02/2020	808	117	33	64	234	<0.02	117	6.9	80	195	49	117
30/03/2020	2130	362	36	116	671	<0.02	371	7.2	179	488	79	371
13/10/2020	Insufficient sample volume											
16/12/2020	720	87.7	15	78	164	0.12	87.9	6.8	57	122	60	87.7
11/03/2021	1850	310	25	96	598	0.09	310	7.3	143	472	37	310
25/10/2021	2200	356	48	99	621	<0.02	368	7.1	176	576	46	368
9/02/2022	2130	341	37	93	580	0.02	341	6.7	167	486	13	341
27/09/2022	448	74.8	11	52	266	0.1	91.5	7.2	47	214	30	91.4
31/03/2023	1330	181	19	87	475	3.36	191	7.3	93	344	41	187
07/11/2023	1150	186	20	102	417	1.45	201	7.8	116	377	113	199

Monitoring Point Type Groundwater Quality Monitoring
Monitoring Frequency 6 monthly
EPA Identification No. **Point 27**
Location Groundwater Collection Tank No.2 (GIT2) (middle)

Pollutant / Unit of Measure / Date Sampled	Alkalinity mg/L	Ammonia mg/L	Biochemical Oxygen Demand mg/L	Calcium mg/L	Chloride mg/L	Nitrate mg/L	Total Nitrogen mg/L	pH units	Potassium mg/L	Sodium mg/L	Sulfate mg/L	Total Kjeldahl Nitrogen mg/L
5/02/2018	257	1.43	6	110	410	4.46	8.22	6.5	30	300	195	3.6
24/04/2018	Insufficient sample volume											
4/09/2018	Insufficient sample volume											
24/04/2019	621	6.66	19	161	173	3.5	17	7.5	23	89	49	11.5
10/02/2020	404	9.69	15	116	65	0.88	12	7.2	22	62	61	10.6
30/03/2020	563	13.8	6	155	221	5.96	21.5	7.3	24	146	48	15.1
13/10/2020	89	3.24	<4	28	925	0.81	4.07	5.8	4	553	228	3.23
16/12/2020	255	8.14	<4	70	68	1.38	11.3	7.2	15	49	41	9.47
17/02/2021	402	12.9	8	103	35	2.02	18.3	7.1	19	83	35	15.9
26/10/2021	416	10.9	28	118	130	2.94	17.8	7.1	17	115	96	14.9
9/02/2022	511	27.7	12	99.2	92	1.55	31.5	6.5	19	89	7	29.6
27/09/2022	126	3.84	<2	42	481	9.19	14.8	6.5	7.3	334	148	5.4
31/03/2023	412	20.1	20	102	381	8.28	31	7	18	234	81	21.9
07/11/2023	320	10.4	5	115	206	3.81	16.8	7.6	20	150	132	12.3

Monitoring Point Type Groundwater Quality Monitoring
Monitoring Frequency 6 monthly
EPA Identification No. **Point 27**
Location Groundwater Collection Tank No.3 (GIT3) (north)

Pollutant / Unit of Measure / Date Sampled	Alkalinity mg/L	Ammonia mg/L	Biochemical Oxygen Demand mg/L	Calcium mg/L	Chloride mg/L	Nitrate mg/L	Total Nitrogen mg/L	pH units	Potassium mg/L	Sodium mg/L	Sulfate mg/L	Total Kjeldahl Nitrogen mg/L
5/02/2018	247	9.78	41	46	675	4.12	15.7	7.4	28	490	183	11.2
24/04/2018	159	0.91	<4	48	541	3.19	5.15	6.3	14	337	136	1.88
4/09/2018	105	1.7	<4	41	936	0.51	3.59	5.8	6.6	526	221	3.08
24/04/2019	503	3.3	5	131	171	3.13	9.27	7.4	22	82	71	6
10/02/2020	292	7.32	13	59	211	1.79	11.9	6.9	20	156	77	8.41
30/03/2020	308	14.9	7	51	570	2.16	18.5	6.7	18	372	185	15.9
13/10/2020	314	13	<4	33	811	3.62	17.6	6.5	14	487	115	13.8
16/12/2020	177	3.17	<4	28	341	0.8	4.43	6.7	7.8	180	44	3.56
17/02/2021	249	10.2	4	35	428	0.97	12.5	7	11	248	47	11.4
26/10/2021	608	84.3	4	44	401	1.38	90.9	6.7	51	292	61	89.4
9/02/2022	348	12.5	2	70	277	0.12	13.4	6.3	12	171	55	13.3
27/09/2022	240	9.71	3	38	171	0.04	11	6.9	8.3	126	36	10.9
31/03/2023	137	3.31	<5	14	260	0.68	4.14	7.4	3.6	178	44	3.43
07/11/2023	141	0.97	<4	24	321	1.95	3.76	7.2	5.4	203	58	1.78

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WATER

Monitoring Point Type	Treated Surface Water Discharge Quality Monitoring											
Monitoring Frequency	6 monthly (and "Special frequency 1" for pollutant 'total suspended solids')											
EPA Identification No.	**Point 11**											
Location	Northwest constructed wetland outlet											
Limit imposed by the Licence							pH 6.5 - 8.5				50mg/L	refer conditions L2
Pollutant	Alkalinity	Ammonia	Biochemical Oxygen Demand	Calcium	Chloride	Nitrate	pH	Potassium	Sodium	Sulfate	Total Suspended Solids	
Unit of Measure	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	units	mg/L	mg/L	mg/L	mg/L	
Date Sampled												**Date Published**
04-Feb-18							7.90				60	23/04/2018
05-Feb-18							7.40				151	23/04/2018
05-Feb-18	82	0.13	<4	40	36	1.38	7.40	15	25	36	168	23/04/2018
21-Feb-18							7.90				113	23/04/2018
07-Mar-18							7.30				126	23/04/2018
24-Feb-18							7.30				182	23/04/2018
26-Feb-18							7.40				180	23/04/2018
22-Mar-18							7.40				120	23/04/2018
28/03/2018							7.20				52	23/04/2018
24/04/2018	159	1.42	7	54	75	0.23	7.40	20	53	37	32	18/07/2018
between April - June no discharge events due to construction of sediment ponds												
10/07/2018							7.90				22	5/11/2018
18/07/2018							8.10				9	5/11/2018
28/08/2018							7.90				24	5/11/2018
7/09/2018							8.00				12	5/11/2018
10/09/2018							8.10				11	5/11/2018
26/09/2018							8.20				29	5/11/2018
27/09/2018							8.20				25	5/11/2018
8/10/2018							8.20				15	5/11/2018
20/10/2018							8.00				26	5/11/2018
22/10/2018							8.00				26	22/01/2018
9/11/2018							7.80				40	22/01/2018
22/11/2018							7.80				36	22/01/2018
19/12/2018							8.40				30	22/01/2018
20/12/2018							8.60				26	22/01/2018
21/12/2018							8.60				37	22/01/2018
26/12/2018							8.03				FNU 20.4	22/01/2018
4/04/2019							8.00				30	26/04/2019
24/04/2019	114	0.14	12	71	53	0.56	9.20	13	29	117	41	26/04/2019
29/04/2019							8.20				25	19/06/2019
30/04/2019							8.20				24	2/08/2019
3/07/2019							7.00				15	2/08/2019
9/07/2019							7.80				33	2/08/2019
2/10/2019							8.10				45	31/10/2019
28/01/2020							7.75				18	18/06/2020
10/02/2020	65	0.31	8	24	15	0.57	7.90	9.2	12	19	66	18/06/2020
6/03/2020							7.90				9	10/08/2020
18/03/2020	143	<0.02	7	48	31	<0.02	8.60	12	22	19	43	18/06/2020
30/03/2020	145	<0.02	9	45	36	<0.02	8.90	12	25	16	30	18/06/2020
15/05/2020							8.2				29	19/06/2020
22/05/2020							7.90				29	19/06/2020
30/06/2020							7.90				21	10/08/2020
31/07/2020							7.90				18	10/08/2020
13/10/2020	131	0.65	5	81	56	0.04	8.20	14	41	145	33	16/08/2021
5/11/2020							8.50				18	16/08/2021
6/11/2020							8.30				20	16/08/2021
9/11/2020							8.40				18	16/08/2021
19/01/2021							8.50				12	16/08/2021
22/01/2021							7.90				4	16/08/2021
3/02/2021							7.50				8	16/08/2021
17/02/2021	110	0.23	7	39	34	<0.02	8.80	10	20	27	56	16/08/2021
9/03/2021							8.60				10	16/08/2021
10/03/2021							7.70				6	16/08/2021
26/03/2021	106	1.33	4	30	16	0.33	7.40	9.2	12	4.3	9	16/08/2021
29/03/2021							8.00				12	16/08/2021
9/04/2021							7.60				22	16/08/2021
21/04/2021							7.60				19	16/08/2021
7/05/2021							8.70				25	16/08/2021
13/05/2021							8.60				45	16/08/2021
17/05/2021							8.60				28	16/08/2021
26/05/2021							8.30				25	16/08/2021
15/10/2021							8.70				49	11/11/2021
18/10/2021							9.20				32	11/11/2021
26/10/2021	89	0.03	8	31	30	<0.02	8.6	7.9	22	30	40	11/11/2021
28/10/2021							8.60				17	11/11/2021
1/11/2021							8.60				18	11/11/2021
2/11/2021							9.20					11/11/2021
3/11/2021							8.14					11/11/2021
9/11/2021							8.00				112	11/11/2021
15/11/2021							7.90				20	1/12/2021
16/11/2021												
3/12/2021							8.00				24	7/01/2022
9/12/2021							8.40				19	7/01/2022
10/12/2021							8.10				23	7/01/2022
20/12/2021							8.40				14	7/01/2022
10/01/2022							7.60				13	7/02/2022
24/01/2022							8.10				15	7/02/2022
1/02/2022							8.00				13	7/02/2022
8/02/2022							7.80				59	22/03/2022
9/02/2022	136	0.07	3	46	31	0.15	7.80	8.1	21	24	11	22/03/2022
10/02/2022							7.80				14	22/03/2022
15/02/2022							8.10				14	22/03/2022
8/03/2022							7.30				19	30/05/2022
16/03/2022							7.30				15	30/05/2022
21/03/2022							7.40				20	30/05/2022
5/04/2022							7.30				21	30/05/2022
2/05/2022							8.1				19	17/06/2022
5/05/2022												17/06/2022
9/05/2022							7.6				109	17/06/2022
17/05/2022							7.6				14	17/06/2022
19/05/2022												17/06/2022
24/05/2022												17/06/2022
26/05/2022							7.7				7	17/06/2022
30/05/2022												17/06/2022
31/05/2022							7.6				28	17/06/2022
8/06/2022							7.8				24	29/09/2022
7/09/2022							7.8				34	29/09/2022
20/09/2022							7.8				16	29/09/2022
26/09/2022							7.7				9	29/09/2022
27/09/2022	74	0.05	3	31	17	<0.02	8.2	3.9	14	22	14	19/10/2022
4/10/2022							7.7				10	19/10/2022
5/10/2022							7.6				6	19/10/2022
12/10/2022							7.7				12	19/10/2022
25/10/2022							7.8				22	5/12/2022
28/10/2022							7.6				6	5/12/2022
7/11/2022							7.6				28	5/12/2022
10/11/2022							7.7				25	5/12/2022
5/12/2022							8.7				41	
25/01/2023							8.2				19	
2/02/2023							8.2				19	
16/02/2023							7.7				40	
23/02/2023							7.8				23	
6/03/2023							7.8				74	
7/03/2023							8				37	
15/03/2023							8				25	
27/03/2023							7.7				27	
31/03/2023	102	<0.02	<5	41	35	<0.02	8	8.6	22	42	27	
31/03/2023							7.9				29	
3/04/2023							8.2				38	
12/04/2023							7.9				19	
17/04/2023							8.2				20	
24/04/2023							7.9				26	
28/04/2023							7.5				21	
17/05/2023							7.8				26	
7/06/2023							7.8				40	
26/06/2023							7.6				31	

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							Monitoring Data					
25/08/2023							7.8				50	
4/10/2023	229	1.32	8	73	74	0.02	7.9	17	42	37	39	
30/10/2023							8				38	
6/11/2023							7.7				47	
07/11/2023	106	0.79	5	57	50	0.47	7.9	14	34	76	24	
13/11/2023							7.7				46	
Monitoring Point Type	Treated Surface Water Discharge Quality Monitoring											
Monitoring Frequency	6 monthly (and "Special frequency 1" for pollutant 'total suspended solids')											
EPA Identification No.	**Point 12**											
Location	Southeast constructed wetland outlet											
Limit imposed by the Licence							pH 6.5 - 8.5				50mg/L	refer conditions L2

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Pollutant	Alkalinity	Ammonia	Biochemical Oxygen Demand	Calcium	Chloride	Nitrate	pH	Potassium	Sodium	Sulfate	Total Suspended Solids	
Unit of Measure	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	units	mg/L	mg/L	mg/L	mg/L	
Date Sampled												**Date Published**
04-Feb-18							7.80				250	23/04/2018
05-Feb-18							7.80				32	23/04/2018
05-Feb-18	205	0.47	5	76	74	1.04	7.80	78	54	66	52	23/04/2018
21-Feb-18							7.20				74	23/04/2018
07-Mar-18							7.70				16	23/04/2018
24-Feb-18							7.50				74	23/04/2018
26-Feb-18							7.50				70	23/04/2018
22-Mar-18							7.60				37	23/04/2018
28/03/2018							7.50				14	23/04/2018
24/04/2018	196	0.11	3	79	48	1.46	7.80	24	33	42	645	18/07/2018
between April - June no discharge events due to construction of sediment ponds												
18/07/2018							8.60				18	5/11/2018
29/08/2018							7.80				7	5/11/2018
7/09/2018							8.50				27	5/11/2018
12/09/2018							8.60				31	5/11/2018
26/09/2018							7.90				48	5/11/2018
27/09/2018							7.90				32	5/11/2018
8/10/2018							8.60				27	5/11/2018
20/10/2018							8.10				42	5/11/2018
9/11/2018							7.80				40	22/01/2018
19/12/2018							8.60				34	22/01/2018
26/12/2018							7.66				FNU 22.5	22/01/2018
20/03/2019							7.60				29	26/04/2019
1/04/2019							8.20				44	26/04/2019
5/04/2019							8.50				33	26/04/2019
18/04/2019							8.30				48	26/04/2019
24/04/2019	122	0.13	5	65	45	1.15	8.90	16	26	87	60	26/04/2019
1/05/2019							8.10				39	19/06/2019
9/07/2019							8.00				5	2/08/2019
1/10/2019							8.29				39	31/10/2019
28/01/2020							7.66				42	18/06/2020
10/02/2020	109	1.25	14	40	20	<0.02	7.30	14	15	33	112	18/06/2020
6/03/2020							7.65				38	18/06/2020
18/03/2020	181	3.16	15	70	46	<0.02	7.90	18	34	57	51	18/06/2020
30/03/2020	139	1.25	8	57	49	0.5	8.70	14	34	57	44	10/08/2020
2/04/2020							8.20				43	19/06/2020
14/04/2020							8.50				36	19/06/2020
30/06/2020							8.20				20	10/08/2020
31/07/2020							8.23				67	13/08/2020
3/08/2020							7.80				40	13/08/2020
13/10/2020	147	3.69	60	43	73	0.22	8.60	22	52	43	508	16/08/2021
5/11/2020							8.90				41	16/08/2021
6/11/2020							8.40				52	16/08/2021
9/11/2020							8.10				37	16/08/2021
27/01/2021							8.50				160	16/08/2021
8/02/2021							7.80				27	16/08/2021
17/02/2021	69	0.18	5	25	25	0.38	7.10	9.5	13	27	35	16/08/2021
2/03/2021	47	0.36	4	11	18	0.02	7.10	13	11	9.6	4	16/08/2021
3/03/2021	54	0.48	4	14	25	<0.02	7.10	17	14	9.7	4	16/08/2021
4/03/2021	52	0.32	9	13	21	<0.02	6.90	16	13	9.1	27	16/08/2021
5/03/2021	51	0.28	13	12	19	<0.02	6.80	14	12	8.8	10	16/08/2021
8/03/2021	74	0.96	12	18	31	<0.02	6.80	22	16	8	21	16/08/2021
9/03/2021	73	0.82	13	17	29	<0.02	6.90	21	16	7.5	14	16/08/2021
10/03/2021	73	0.74	12	17	29	<0.02	6.90	21	16	7.4	8	16/08/2021
11/03/2021	73	0.74	10	17	29	<0.02	7.00	21	16	7.5	8	16/08/2021
12/03/2021	75	1.06	16	18	31	<0.02	6.90	21	16	7.1	14	16/08/2021
22/03/2021	33	0.17	<4	8.6	6.6	0.24	7.00	4.2	5.9	5.3	21	16/08/2021
23/03/2021	50	0.41	4	14	10	0.22	7.00	7.5	8.1	6.7	29	16/08/2021
24/03/2021	147	4.1	10	31	63	0.11	7.10	49	31	15	75	16/08/2021
9/04/2021							7.80				138	16/08/2021
15/04/2021							7.60				62	16/08/2021
16/04/2021							7.60				47	16/08/2021
20/04/2021							8.00				77	16/08/2021
21/04/2021							8.00				77	16/08/2021
13/05/2021							7.80				57	16/08/2021
17/05/2021							7.70				31	16/08/2021
18/10/2021							8.70				38	11/11/2021
20/10/2021							8.90				56	11/11/2021
25/10/2021	110	0.08	9	69	34	0.59	8.8	14	24	111	95	11/11/2021
28/10/2021							8.80				83	11/11/2021
1/11/2021							7.50				36	11/11/2021
2/11/2021												
15/11/2021							8.00				39	1/12/2021
3/12/2021							7.90				40	7/01/2022
9/12/2021							7.90				26	7/01/2022
10/12/2021							7.60				96	7/01/2022
14/12/2021							8.10				15	7/01/2022
15/12/2021												
20/12/2021							8.20				16	7/01/2022
10/01/2022							7.60				37	7/02/2022
24/01/2022							7.80				20	7/02/2022
8/02/2022							7.70				39	22/03/2022
9/02/2022	165	0.61	11	50	35	0.21	7.6	15	25	20	35	22/03/2022
10/02/2022							7.80				26	22/03/2022
15/02/2022							8.2				25	22/03/2022
21/03/2022							7.5				23	30/05/2022
5/04/2022							7.4				233	30/05/2022
14/04/2022							7.4				120	30/05/2022
19/04/2022							7.5				93	30/05/2022
28/04/2022							8				44	30/05/2022
9/05/2022							7.7				53	17/06/2022
26/05/2022							7.7				66	17/06/2022
30/05/2022							7.2				16	17/06/2022
8/06/2022							7.3				50	17/06/2022
15/06/2022							7.2				78	29/09/2022
21/06/2022							7.4				47	29/09/2022
7/09/2022							8.2				44	29/09/2022
20/09/2022							8				66	29/09/2022
26/09/2022							7.7				46	29/09/2022
27/09/2022	130	0.16	6	49	52	3.26	7.6	33	32	44	48	19/10/2022
4/10/2022							8.8				27	19/10/2022
6/10/2022							7.3				26	19/10/2022
12/10/2022							7.4				11	19/10/2022
25/10/2022							7.6				44	5/12/2022
28/10/2022							8.1				42	5/12/2022
3/11/2022							7.5				16	5/12/2022
7/11/2022							7.5				71	5/12/2022
10/11/2022							7.9				50	5/12/2022
5/12/2022							8.7				31	
15/12/2022							7.8				104	
20/12/2022							8				88	
3/01/2023							8.1				105	
6/01/2023							7.5				78	
12/01/2023							9.6				90	
25/01/2023							8.9				99	
26/01/2027							7.4				54	
27/01/2023							8.2				33	
2/02/2023							8.6				33	
16/02/2023							7.4				102	
17/02/2023							7.8				51	
23/02/2023							8.6				44	
6/03/2023							8.1				35	
16/03/2023							7.9				44	
27/03/2023							7.7				40	
31/03/2023	157	<0.02	15	67	39	0.13	6.4	11	29	78	140	
31/03/2023							7.4				51	
3/04/2023							8				36	
12/04/2023							7.7				45	
17/04/2023							8.2				20	
24/04/2023							7.5				100	
26/04/2023							7.9				38	
28/04/2023							7.5				42	
17/05/2023							7.6				24	

Environment Protection Licence No. 6267 - Englands Road Waste Management Facility

Monitoring Data

Link to Licence on EPA Website: http://www.environment.nsw.gov.au/prpoeoapp/

http://www.environment.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=30933&SYSUID=1&LICID=6267

Coffs Harbour City Council

Locked Bag 155, Coffs Harbour NSW 2450

7/06/2023							7.4				39												
26/06/2023							7.1				45												
25/09/2023							7.8				43												
4/10/2023	159	0.04	32	50	145	<0.02	8.5	12	98	74	218												
30/10/2023							7.7				37												
6/11/2023							7.6				47												
07/11/2023	96	0.38	<6	51	28	0.64	8.2	11	24	70	24												

WATER

Monitoring Point Type	Surface Water Quality Monitoring													
Monitoring Frequency	6 monthly during flow													
EPA Identification No.	**Point 13**													
Location	SW 1 - western creek in forested area ('background' quality)													
Pollutant	Alkalinity	Ammonia	Biochemical Oxygen Demand	Calcium	Chloride	Nitrate	Total Nitrogen	pH	Potassium	Sodium	Sulfate	Total Kjeldahl Nitrogen	Total Suspended Solids mg/L	
Unit of Measure	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	units	mg/L	mg/L	mg/L	mg/L		
Date Sampled														
5/02/2018	13	<0.05	<2	1.4	21	<0.05	0.55	6.6	1.4	17	7.8	0.55	4	23/04/2018
24/04/2018	17	<0.05	<2	1.6	21	<0.05	0.49	6.7	1.6	19	6.9	0.49	13	18/07/2018
4/09/2018	22	<0.05	<2	1.8	28	<0.05	0.22	6.8	1.3	26	10	0.22	2	18/06/2020
24/04/2019	13	<0.02	<2	1.3	21	0.03	0.25	6.4	1.4	18	10	0.22	<2	
SECOND SAMPLE TO BE RECORDED FROM FOLDER														
10/02/2020	5	0.02	<2	1.1	15	0.04	0.20	6.1	2.3	10	8.2	0.16	<2	18/06/2020
30/03/2020	11	<0.02	<2	1.2	22	0.02	0.17	6.1	1.4	17	10	0.15	<2	18/06/2020
9/02/2022	14	0.04	<2	1.3	19	0.13	0.48	6.3	1.5	15	7.6	0.35	14	22/03/2022
27/09/2022	13	0.02	<2	1.2	17	0.2	0.23	6.9	1.4	16	7.8	<0.05	4	19/10/2022
31/03/2023	19	0.02	<4	1.8	22	0.11	0.23	6.4	1.7	20	8.3	0.12	<2	
07/11/2023	18	0.02	<4	2	33	0.04	0.25	6.7	2.3	29	13	0.21	<2	

GMR

Environment Protection Licence No. 6267 - Englands Road Waste Management Facility

Monitoring Data

Link to Licence on EPA Website: http://www.environment.nsw.gov.au/prpoeoapp/

http://www.environment.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=30933&SYSUID=1&LICID=6267

Coffs Harbour City Council

Locked Bag 155, Coffs Harbour NSW 2450

Monitoring Frequency 6 monthly, during flow
EPA Identification No. **Point 16**
Location SW 4 - offsite drain at northwestern point of drain prior to leaving site

Pollutant / Unit of Measure / Date Sampled	Alkalinity mg/L	Ammonia mg/L	Biochemical Oxygen Demand mg/L	Calcium mg/L	Chloride mg/L	Nitrate mg/L	Total Nitrogen mg/L	pH units	Potassium mg/L	Sodium mg/L	Sulfate mg/L	Total Kjeldahl Nitrogen mg/L	Total Suspended Solids mg/L	
5/02/2018	100	0.43	<4	38	45	0.62	3.56	7.50	30	29	33	2.85	31	23/04/2018
24/04/2018	112	0.96	7	40	54	0.93	3.98	7.40	18	36	31	2.97	234	18/07/2018
4/09/2018	101	4.18	13	50	94	5.5	11.70	7.70	22	62	83	5.96	87	5/11/2018
24/04/2019	69	1.31	7	28	39	0.84	4.02	7.40	11	28	47	2.99	12	19/06/2019
10-Feb-20	56	0.22	10	20	18	0.64	3.13	7.10	10	13	21	2.15	67	18/06/2020
18-Mar-20	62	0.31	<4	18	28	0.63	1.90	7.50	9.3	19	16	1.17	18	18/06/2020
30-Mar-20	81	0.76	8	19	32	0.51	2.83	7.60	8.1	20	8.7	2.15	26	18/06/2020
3/02/2021	88	4.04	7	17	35	0.02	5.64	7.10	18	22	8.7	5.62	16	16/08/2021
3/03/2021	92	4.28	6	19	43	0.02	5.99	7.10	21	25	8.6	5.94	13	16/08/2021
4/03/2021	106	1.03	5	30	21	0.19	2.99	7.40	10	16	5.9	2.72	18	16/08/2021
5/03/2021	100	3.5	10	21	41	<0.02	5.88	7.20	25	24	8.2	5.8	15	16/08/2021
8/03/2021	97	2.66	8	22	40	<0.02	4.68	7.10	25	21	7.1	4.68	12	16/08/2021
9/03/2021	108	3.01	10	23	42	<0.02	5.63	7.10	27	22	5.9	5.63	11	16/08/2021
10/03/2021	107	3.09	12	23	42	<0.02	5.27	7.10	22	5.8	15	5.27	15	16/08/2021
11/3/21 am	108	3.1	10	23	41	<0.02	5.49	7.20	27	22	5.2	5.49	15	
11/3/21 pm aeration	108	2.32	8	25	35	<0.02	4.43	7.30	22	20	5.2	4.43	11	
12/03/2021	104	2.11	10	26	32	<0.02	4.54	7.40	19	20	5.4	4.53	11	16/08/2021
22/03/2021	70	0.88	10	20	21	0.14	3.08	7.20	16	13	7.1	2.86	64	16/08/2021
23/03/2021	74	1.02	7	21	16	0.05	2.69	7.20	11	11	5.2	2.59	21	16/08/2021
24/03/2021	96	1.36	6	27	19	0.17	3.18	7.30	12	13	4.7	2.91	23	16/08/2021
26/03/2021	94	5.1	8	17	39	<0.02	6.48	7.10	17	25	7.4	6.4	10	16/08/2021
26/10/2021	76	3.7	6	22	39	0.19	4.62	7.10	11	27	26	4.32	13	11/11/2021
9/02/2022	86	2.74	2	17	42	0.29	3.80	6.80	12	25	8.7	3.43	6	22/03/2022
27/09/2022	97	0.93	12	32	44	2.33	4.90	7.50	22	29	29	2.37	26	19/10/2022
31/03/2023	75	3.14	<5	15	42	0.64	4.75	6.80	8.5	30	11	3.95	8	
07/11/2023	71	5.74	8	25	69	1.42	8.80	7.50	16	48	56	6.93	31	

Monitoring Point Type Surface Water Quality Monitoring
Monitoring Frequency 6 monthly, during flow
EPA Identification No. **Point 41**
Location 600RCP outlet - (ie. 600mm diameter reinforced concrete pipe outlet) - midpoint at offsite drain (pipe drains from southeast wetland area)

Pollutant / Unit of Measure / Date Sampled	Alkalinity mg/L	Ammonia mg/L	Biochemical Oxygen Demand mg/L	Calcium mg/L	Chloride mg/L	Nitrate mg/L	Total Nitrogen mg/L	pH units	Potassium mg/L	Sodium mg/L	Sulfate mg/L	Total Kjeldahl Nitrogen mg/L	Total Suspended Solids mg/L	**Date Published**
5/02/2018	193	1.7	<4	68	78	1.07	7.80	7.6	68	51	60	6.55	38	23/04/2018
24/04/2018	81	0.46	5	35	40	1.96	4.12	7.6	19	25	30	2.09	800	
4/09/2018	86	3.16	7	33	74	5.41	10.60	7.5	21	49	44	5.02	30	
24/04/2018	120	2.54	7	41	55	1.28	6.61	7.5	17	34	51	5.18	18	
10/02/2020	96	1.21	18	35	26	<0.02	5.36	7.1	17	17	35	4.27	129	not reported - overflowing
23/03/2020	150	1.98	9	57	47	0.17	4.72	8.4	18	33	53	4.46	75	not reported - overflowing
2/03/2021	121	6.64	11	21	43	<0.02	8.47	7.2	25	26	9.5	8.45	17	reported overflow due to blocked pipe - all additional samples
3/03/2021	118	6.18	15	21	45	<0.02	8.10	7.2	28	26	8.4	8.08	20	16/08/2021
4/03/2021	115	6.07	12	22	48	<0.02	9.35	7.2	34	26	8.8	9.35	18	16/08/2021
5/03/2021	186	11.9	35	35	76	<0.02	15.00	7	53	40	8.9	15	27	16/08/2021
8/03/2021	126	6.15	21	26	51	<0.02	8.56	6.9	35	27	8	8.56	17	16/08/2021
9/03/2021	140	6.61	32	28	56	<0.02	9.93	7	39	29	6.6	9.93	18	16/08/2021
10/03/2021	134	6.08	35	27	52	<0.02	8.82	6.9	36	28	6.3	8.82	17	16/08/2021
11/03/2021	130	6.97	33	27	50	<0.02	9.45	7	34	27	5.7	9.45	15	16/08/2021
12/03/2021	122	7	46	25	45	<0.02	9.23	7	28	26	5.3	9.23	13	16/08/2021
22/03/2021	85	1.93	31	23	31	0.11	5.10	7.1	24	17	13	4.92	77	16/08/2021
23/03/2021	93	2.26	13	21	42	0.1	6.05	7.2	39	21	9	5.89	45	16/08/2021
24/03/2021	152	6.84	11	31	62	0.09	9.83	7.1	44	33	14	9.7	58	16/08/2021
24/03/2021	186	16.4	8	28	71	0.21	17.90	7.3	25	46	9.9	17.6	15	16/08/2021
26/10/2021	295	31.8	9	43	116	1.34	36.7	7.5	34	87	45	34.9	8	11/11/2021
9/02/2022	136	9.85	8	22	60	0.52	10.90	6.9	17	38	7.9	10.2	<2	22/03/2022
27/09/2022	142	2.25	19	46	63	3.76	8.22	7.5	36	40	38	4.15	40	19/10/2022
31/03/2023	630	27	11	48	122	2.18	32.40	7.4	30	82	19	30.2	8	
07/11/2023	104	9.75	<6	29	75	1.79	13.70	7.5	20	53	50	11.4	3	

WATER

Monitoring Point Type Groundwater Quality Monitoring
Monitoring Frequency 6 monthly
EPA Identification No. **Point 3**
Location GW 3 (40)
Trigger for further investigation N/A

Pollutant / Unit of Measure / Date Sampled	Alkalinity mg/L	Ammonia mg/L	Biochemical Oxygen Demand mg/L	Calcium mg/L	Chloride mg/L	Nitrate mg/L	pH units	Potassium mg/L	Sodium mg/L	Sulfate mg/L	**Date Published**
31/01/2018	48	<0.05	<2	3.1	78	0.06	6.1	1.7	60	8.1	23/04/2018
11/05/2018	50	<0.05	<2	3.2	81	0.05	6.1	1.5	62	8.7	18/07/2018
23/11/2018	49	<0.05	<2	3	66	0.18	6	1.3	60	8.9	26/04/2019
30/05/2019	51	<0.02	<2	2.7	67	0.35	6.1	1.5	55	9	19/06/2019
11/12/2019	53	<0.02	<2	2.9	57	0.63	6.2	1.4	55	9.1	18/06/2020
25/06/2020	57	<0.02	<2	2.8	62	0.6	6.2	1.3	54	8.6	10/08/2020
3/12/2020	60	<0.02	<2	2.7	55	0.47	6	1.3	54	8.2	16/08/2021
25/05/2021	62	0.08	<2	2.9	53	0.62	6	1.3	54	7.6	16/08/2021
10/02/2022	60	<0.02	<2	2.9	53	0.44	6.1	1.4	54	7.5	22/03/2022
3/06/2022	66	0.04	<2	3.2	54	0.69	6.2	1.5	57	7.4	29/09/2022
21/11/2022	63	<0.02	<2	3.2	57	0.69	6.1	1.5	54	7.4	
8/05/2023	60	0.02	<2	3.2	58	0.49	6	1.4	52	7.3	
17/10/2023	61.4	<0.02	<2	3.4	59	0.42	6	1.5	54	7.2	

EPA Identification No. **Point 4**
Location GW 4

Pollutant / Unit of Measure / Date Sampled	Alkalinity mg/L	Ammonia mg/L	Biochemical Oxygen Demand mg/L	Calcium mg/L	Chloride mg/L	Nitrate mg/L	pH units	Potassium mg/L	Sodium mg/L	Sulfate mg/L	**Date Published**
31/01/2018	<2	<0.05	<2	16	1140	<0.05	4.5	3.5	900	630	23/04/2018
11/05/2018	<2	<0.05	<2	18	1260	<0.05	4.5	1.8	903	691	18/07/2018
23/11/2018	<2	<0.05	<2	16	1260	<0.05	4.5	1.6	902	685	26/04/2019
30/05/2019	<2	<0.02	<2	20	1370	0.03	4.5	1.9	976	747	19/06/2019
31/01/2018	<2	<0.05	<2	16	1140	<0.05	4.5	3.5	900	630	17/06/2022
11/05/2018	<2	<0.05	<2	18	1260	<0.05	4.5	1.8	903	691	17/06/2022
23/11/2018	<2	<0.05	<2	16	1260	<0.05	4.5	1.6	902	685	17/06/2022
30/05/2019	<2	<0.02	<2	20	1370	0.03	4.5	1.9	976	747	17/06/2022
11/12/2019	<2	<0.02	<2	19	1380	<0.02	4.4	1.7	963	776	18/06/2020
25/06/2020	3	0.02	<2	20	1560	0.02	4.6	2	930	770	10/08/2020
3/12/2020	<2	<0.02	<2	17	1840	0.02	4.3	1.7	937	1100	16/08/2021
25/05/2021	7	0.06	<2	17	982	0.09	4.9	2.4	690	535	16/08/2021
10/02/2022	5	0.02	<2	20	1250	0.02	4.9	2.3	849	633	22/03/2022
3/06/2022	9	0.05	<2	16	966	0.08	5	2.8	692	494	29/09/2022
21/11/2022	3	<0.02	<2	16	1180	<0.02	4.8	2.2	807	599	
8/05/2023	<2	<0.02	<2	14	1160	<0.02	4.6	1.8	723	590	
17/10/2023	2.2	<0.02	<2	17	1221	0.02	4.7	1.8	919.0	615.4	

EPA Identification No. **Point 5**
Location GW 5

Pollutant / Unit of Measure / Date Sampled	Alkalinity mg/L	Ammonia mg/L	Biochemical Oxygen Demand mg/L	Calcium mg/L	Chloride mg/L	Nitrate mg/L	pH units	Potassium mg/L	Sodium mg/L	Sulfate mg/L	**Date Published**
31/01/2018	47	<0.05	<2	10	259	<0.05	5.9	2.1	140	28.2	23/04/2018
11/05/2018	49	<0.05	<2	11	241	<0.05	6	1.6	132	28	18/07/2018
23/11/2018	42	<0.05	<2	17	394	<0.05	5.7	1.8	219	72	26/04/2019
30/05/2019	36	<0.02	<2	22	590	<0.02	5.7	2.2	326	169	19/06/2019
11/12/2019	26	<0.02	<2	22	669	<0.02	5.5	1.9	421	268	18/06/2020

Environment Protection Licence No. 6267 - Englands Road Waste Management Facility

Monitoring Data

Link to Licence on EPA Website: http://www.environment.nsw.gov.au/prpoeoapp/

http://www.environment.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=30933&SYSUID=1&LICID=6267

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11/12/2019	26	<0.02	<2	22	669	<0.02	5.5	1.9	421	268	10/08/2020
25/06/2020	34	<0.02	<2	21	707	<0.02	5.7	2.1	356	206	10/08/2020
3/12/2020	34	<0.02	<2	22	617	<0.02	5.5	2	345	197	16/08/2021
25/05/2021	58	<0.02	<2	4.4	80	0.16	6	0.83	59	11	16/08/2021
10/02/2022	54	<0.02	<2	5.4	77	0.17	6.1	0.97	59	11	22/03/2022
3/06/2022	58	0.05	<2	4.8	73	0.23	6.2	0.98	58	8.5	29/09/2022
21/11/2022	57	<0.02	<2	4.8	73	0.21	6.2	1	53	8.6	
8/05/2023	54	<0.02	<2	4.6	72	0.21	6	0.86	50	8.5	
17/10/2023	57	<0.02	<2	5	88	0.16	6	1	63	11	

EPA Identification No. **Point 33**
Location GW 10
Trigger for further investigation N/A

Pollutant	Alkalinity	Ammonia	Biochemical Oxygen Demand	Calcium	Chloride	Nitrate	pH	Potassium	Sodium	Sulfate	
Unit of Measure	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	units	mg/L	mg/L	mg/L	
Date Sampled											**Date Published**
31/01/2018	NIL readings										18/07/2018
11/05/2018	132	<0.05	<2	25	104	<0.05	6.7	1.7	86	23	18/07/2018
23/11/2018	120	<0.05	<2	21	107	<0.05	6.5	1.6	90	22	26/04/2019
30/05/2019	146	0.02	<2	26	129	<0.02	6.6	1.9	95	25	19/06/2019
11/12/2019	131	<0.02	<2	24	120	0.03	7	1.8	96	25	18/06/2020
11/12/2019	131	<0.02	<2	24	120	0.03	7	1.8	96	25	10/08/2020
25/06/2020	73	<0.02	<2	11	106	<0.02	6.3	1.4	69	17	10/08/2020
3/12/2020	109	<0.02	<2	18	100	<0.02	6.5	1.5	79	19	16/08/2021
25/05/2021	113	1.2	6	20	69	<0.02	6.9	59	38	7.2	16/08/2021
10/02/2022	118	0.03	<2	20	93	<0.02	6.6	1.7	84	20	22/03/2022
3/06/2022	46	0.15	<2	8.5	26	0.02	6.6	7.3	22	5.4	29/09/2022
21/11/2022	207	0.02	<2	34	88	0.07	7.2	2.2	101	21	
8/05/2023	201	0.02	<2	30	93	<0.02	6.9	1.6	89	22	
17/10/2023	207.7	<0.02	<2	35.3	90.6	0.08	7.4	1.8	98.6	21.2	

Monitoring Frequency 6 monthly
EPA Identification No. **Point 36**
Location GW 6D

Pollutant	Alkalinity	Ammonia	Biochemical Oxygen Demand	Calcium	Chloride	Nitrate	pH	Potassium	Sodium	Sulfate	
Unit of Measure	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	units	mg/L	mg/L	mg/L	
Date Sampled											**Date Published**
31/01/2018	15	<0.05	<2	10	542	<0.05	5.1	3.3	340	108	23/04/2018
11/05/2018	25	0.05	<2	14	558	<0.05	5.3	3	330	141	18/07/2018
23/11/2018	23	<0.05	<2	13	525	<0.05	5.3	2.5	327	130	26/04/2019
30/05/2019	25	0.03	<2	12	512	0.02	5.3	2.9	316	137	19/06/2019
11/12/2019	34	<0.02	<2	12	467	0.03	5.6	3.2	284	126	18/06/2020
11/12/2019	34	<0.02	<2	12	467	0.03	5.6	3.2	284	126	10/08/2020
25/06/2020	24	0.03	<2	8.8	508	0.04	5.4	2.4	272	119	10/08/2020
3/12/2020	19	<0.02	<2	8.4	515	<0.02	5.2	2	294	111	16/08/2021
25/05/2021	18	0.03	<2	9.6	517	<0.02	5.1	2.3	302	97	16/08/2021
10/02/2022	15	0.03	<2	11	575	<0.02	5.1	2.1	324	91	22/03/2022
3/06/2022	18	0.05	<2	11	609	0.02	5.1	2.3	355	90	29/09/2022
21/11/2022	17	0.03	<2	12	649	<0.02	5.3	2.7	368	88	
8/05/2023	15	0.12	<2	10	621	<0.02	5.2	2.1	313	82	
17/10/2023	15	0	<2	11	624	0.05	5	2	366	82	

EPA Identification No. **Point 37**
Location GW 6S

Pollutant	Alkalinity	Ammonia	Biochemical Oxygen Demand	Calcium	Chloride	Nitrate	pH	Potassium	Sodium	Sulfate	
Unit of Measure	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	units	mg/L	mg/L	mg/L	
Date Sampled											**Date Published**
31/01/2018	<2	<0.05	<2	3.2	741	<0.05	4.3	2.1	480	135	23/04/2018
11/05/2018	<2	0.05	<2	3.1	748	<0.05	4.3	1.1	444	147	18/07/2018
23/11/2018	<2	<0.05	<2	2.6	761	<0.05	4.2	0.79	449	141	26/04/2019
30/05/2019	<2	<0.02	<2	2.7	802	0.05	4.2	1	450	140	19/06/2019
11/12/2019	<2	<0.02	<2	2.9	783	0.03	4.3	1	449	138	18/06/2020
11/12/2019	<2	<0.02	<2	2.9	783	0.03	4.3	1	449	138	10/08/2020
25/06/2020	<2	0.02	<2	3.6	713	0.13	4.3	2.1	368	140	10/08/2020
3/12/2020	<2	<0.02	<2	3.5	775	<0.02	4.2	1.5	438	141	16/08/2021
25/05/2021	<2	0.05	<2	2.5	773	<0.02	4.2	0.83	442	127	16/08/2021
10/02/2022	<2	<0.02	<2	2.5	834	<0.02	4.2	0.74	479	128	22/03/2022
3/06/2022	<2	0.09	<2	2.4	865	<0.02	4.2	0.68	519	120	29/09/2022
21/11/2022	<2	0.02	<2	2.6	911	<0.02	4.3	0.61	505	117	
8/05/2023	<2	0.04	<2	2.5	895	0.02	4.1	0.55	453	108	
17/10/2023	<2	<0.02	<2	2.8	910.164	0.02	4.2	0.6	541.5	109.1	

EPA Identification No. **Point 42**
Location GW 12

Pollutant	Alkalinity	Ammonia	Biochemical Oxygen Demand	Calcium	Chloride	Nitrate	pH	Potassium	Sodium	Sulfate	
Unit of Measure	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	units	mg/L	mg/L	mg/L	
Date Sampled											**Date Published**
31/01/2018	84	<0.05	<2	17	88	0.33	6.4	2.7	57	5.7	23/04/2018
11/05/2018	82	<0.05	<2	16	88	0.35	6	2.1	56	6.1	18/07/2018
23/11/2018	84	<0.05	<2	16	84	0.36	6.3	2.2	59	5.9	26/04/2019
30/05/2019	84	<0.02	<2	15	106	0.41	6	2.3	59	5.9	19/06/2019
11/12/2019	84	<0.02	<2	18	102	0.42	6.6	2.3	61	6.4	18/06/2020
11/12/2019	84	<0.02	<2	18	102	0.42	6.6	2.3	61	6.4	10/08/2020
25/06/2020	88	<0.02	<2	16	118	0.52	6.1	2.2	60	6.2	10/08/2020
3/12/2020	84	<0.02	<2	19	104	0.49	6.1	2.3	59	6.4	16/08/2021
25/05/2021	74	<0.02	<2	30	168	0.3	5.7	2.9	71	8.2	16/08/2021
10/02/2022	71	<0.02	<2	36	185	0.17	5.7	3.3	82	10	22/03/2022
3/06/2022	74	0.02	<2	30	156	1.21	5.8	3	76	8.9	29/09/2022
21/11/2022	77	<0.02	<2	32	174	0.55	6.1	3.3	76	9.4	
8/05/2023	81	<0.02	<2	29	163	0.19	5.9	2.6	66	7.4	
17/10/2023	81.80	0.02	<2	32.14	164.45	0.17	6.50	2.74	74.77	7.16	

EPA Identification No. **Point 34**
Location GW 11
Trigger for further investigation N/A

Pollutant	Nitrate	
Unit of Measure	mg/L	
Date Sampled	Nitrate	Date Published
31/01/2018	9.4	43213
11/05/2018	10.4	43299
23/11/2018	9.66	26/04/2019
30/05/2019	9.23	19/06/2019
11/12/2019	7.33	18/06/2020
25/06/2020	5.93	10/08/2020
3/12/2020	7.49	16/08/2021
25/05/2021	9.13	16/08/2021
10/02/2022	8.66	22/03/2022
3/06/2022	7.03	29/09/2022
21/11/2022	6.43	
8/05/2023	6.27	
17/10/2023	5.9	