

EPA License Point- Cut Off Drain

Analysis Surface Water	Analyte	units
pH	pH	pH units
Conductivity	SpC	uS/cm
Suspended Solids	Sus_solids	mg/L
Hydroxide Alkalinity as CaCO3	Hydrox	mg/L
Carbonate Alkalinity as CaCO3	Carb	mg/L
Bicarbonate Alkalinity as CaCO3	Bicard	mg/L
Total Alkalinity as CaCO3	Total	mg/L
Ammonia (asN)	Ammonia	mg/L N
Nitrite (as N)	Nitrite	mg/L N
Nitrate (as N)	Nitrate	mg/L N
Nitrate + Nitrate as N (Nox)	Oxidsed_N	mg/L N
Depth to water	Depth_to_water	m
Depth to sample	Sample Depth	m
Bio chemical oxygen demand	BOD	mg/L

Mar-16	Jun-16	Sep-16	Dec-16	Mar-17	Jun-17	Sep-17	Dec-17	Mar-18	Jun-18	Sep-18	Dec-18	Mar-19	Jun-19	Sep-19	Dec-19
DRY	DRY		DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
DRY	DRY		DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
DRY	DRY	77	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
DRY	DRY		DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
DRY	DRY		DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
DRY	DRY		DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
DRY	DRY		DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
DRY	DRY		DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
DRY	DRY		DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
DRY	DRY		DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
DRY	DRY		DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
DRY	DRY		DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
DRY	DRY		DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY

VICTORIA ST SITE (EPL5916)



Environmental Protection Licence - Environmental Monitoring

EPA License # 5915

Reporting Year: 2018-2019

REDHILL ROAD WASTE MANAGEMENT FACILITY, Redhill Road, YOUNG NSW 2594

Hilltops Council

Locked Bag 5



Sampling and Reporting is required **quarterly** - samples are taken in September, December, March, and June

Sample Date	2/03/2016	8/06/2016	5/09/2016	13/12/2016	22/03/2017	8/06/2017	6/09/2017	7/12/2017	6/03/2018	8/06/2018	6/09/2018	21/12/2018	21/03/2019	6/06/2019	6/9/2019
Data Received	23/03/2016	23/06/2016			24/04/2017	19/06/2017	25/09/2017	15/12/2017	20/03/2018	20/06/2018	14/09/2018	15/01/2019	12/04/2019	24/06/2019	25/9/2019
Publish Date	7/04/2016	29/06/2016			26/04/2017	23/06/2017	28/09/2017	21/12/2017	23/03/2018	21/06/2018	21/09/2018	16/01/2019	17/07/2019	26/06/2019	10/10/2019

EPA License Point # ADP001 - DAM

		Mar-16	Jun-16	Sep-16	Dec-16	Mar-17	Jun-17	Sep-17	Dec-17	Mar-18	Jun-18	Sep-18	Dec-18	Mar-19	Jun-19	Sep-19	Dec-19
Analysis Ground Water	Analyte	units	8.66	8.22	7.68	**								8.61	8.46	9.00	
pH	pH	pH units	2880	2010	1520	8.44	8.28	8.12	8.19	8.47	8.3	8.33	9.08				
Conductivity	SpC	uS/cm	24	8	77	2840	2800	2760	2270	2480	2850	2640	3030	2120	1610	1540	
Suspended Solids	Sus_solids	mg/L	<0.1	<0.1	<0.1	67	47	20	6	31	11	13	20	10	3	7	
Hydroxide Alkalinity as CaCO3	Hydrox	mg/L	68.6	13.6	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Carbonate Alkalinity as CaCO3	Carb	mg/L	588	404	447	29	<0.1	<0.1	<0.1	42.8	5.5	18.3	284	56.9	28.4	68.2	
Bicarbonate Alkalinity as CaCO3	Bicard	mg/L	656	418	447	579	698	768	565	672	807	722	490	395	290	220	
Total Alkalinity as CaCO3	Total	mg/L	<0.1	0.4	4.4	608	698	768	565	715	812	740	774	452	318	288	
Ammonia (as N)	Ammonia	mg/L N	<0.01	0.04	0.47	<0.1	<0.1	0.9	0.6	<0.1	1.2	0.5	<0.1	<0.1	<0.1	<0.1	
Nitrite (as N)	Nitrite	mg/L N	<0.05	0.14	0.64	0.01	<0.01	0.03	0.04	<0.1	<0.01	0.05	<0.01	<0.01	<0.01	<0.01	
Nitrate (as N)	Nitrate	mg/L N	<0.05	0.19	1.11	<0.05	<0.05	0.05	<0.05	<0.05	<0.05	0.19	0.12	0.2	<0.05	<0.05	
Nitrate + Nitrate as N (Nox)	Oxidsed_N	mg/L N				0.06	<0.05	0.08	0.06	<0.05	<0.05	0.24	0.12	0.2	<0.05	<0.05	
Depth to water	Depth_to_water	m															
Depth to sample	Sample Depth	m	7	8	14												
Bio chemical oxygen demand	BOD	mg/L				27	8	4	2	6	<2	2	5	<2	<2	4	

** Not sampled. Access issues

EPA License Point # ADP002

		Mar-16	Jun-16	Sep-16	Dec-16	Mar-17	Jun-17	Sep-17	Dec-17	Mar-18	Jun-18	Sep-18	Dec-18	Mar-19	Jun-19	Sep-19	Dec-19
Analysis Ground Water	Analyte	units	DRY	DRY	7.08	6.54				6.59	6.48			DRY	DRY	DRY	
pH	pH	pH units	DRY	DRY	359	549				867	871			DRY	DRY	DRY	
Conductivity	SpC	uS/cm	DRY	DRY	159	4390				180	2550			DRY	DRY	DRY	
Suspended Solids	Sus_solids	mg/L	DRY	DRY	<0.1	<0.1				DRY	DRY	DRY	DRY	DRY	DRY	DRY	
Hydroxide Alkalinity as CaCO3	Hydrox	mg/L	DRY	DRY	<0.1	<0.1				<0.1	<0.1	<0.1	<0.1	DRY	DRY	DRY	
Carbonate Alkalinity as CaCO3	Carb	mg/L	DRY	DRY	85.4	103				132	136			DRY	DRY	DRY	
Bicarbonate Alkalinity as CaCO3	Bicard	mg/L	DRY	DRY	85	103				132	136			DRY	DRY	DRY	
Total Alkalinity as CaCO3	Total	mg/L	DRY	DRY	<0.1	<0.1				<0.1	0.1			DRY	DRY	DRY	
Ammonia (as N)	Ammonia	mg/L N	DRY	DRY	0.12	0.03				<0.01	<0.01			DRY	DRY	DRY	
Nitrite (as N)	Nitrite	mg/L N	DRY	DRY	19.5	2.41				0.07	0.99			DRY	DRY	DRY	
Nitrate (as N)	Nitrate	mg/L N	DRY	DRY	19.6	2.43				0.07	0.99			DRY	DRY	DRY	
Nitrate + Nitrate as N (Nox)	Oxidsed_N	mg/L N	DRY	DRY	0.87	1.66				DRY	DRY	DRY	DRY	DRY	DRY	DRY	
Depth to water	Depth_to_water	m	DRY	DRY	1.18	1.68				DRY	DRY	DRY	DRY	DRY	DRY	DRY	
Depth to sample	Sample Depth	m	DRY	DRY	<2	<2				<2	<2			DRY	DRY	DRY	
Bio chemical oxygen demand	BOD	mg/L												DRY	DRY	DRY	

EPA License Point # GWM001

		Mar-16	Jun-16	Sep-16	Dec-16	Mar-17	Jun-17	Sep-17	Dec-17	Mar-18	Jun-18	Sep-18	Dec-18	Mar-19	Jun-19	Sep-19	Dec-19
Analysis Ground Water	Analyte	units	DRY	DRY	7.08	6.54				6.75	**	DRY	DRY	DRY	DRY	DRY	
pH	pH	pH units	DRY	DRY	359	549				1760		DRY	DRY	DRY	DRY	DRY	
Conductivity	SpC	uS/cm	DRY	DRY	159	4390				282		DRY	DRY	DRY	DRY	DRY	
Suspended Solids	Sus_solids	mg/L	DRY	DRY	<0.1	<0.1				<0.1		DRY	DRY	DRY	DRY	DRY	
Hydroxide Alkalinity as CaCO3	Hydrox	mg/L	DRY	DRY	<0.1	<0.1				<0.1		DRY	DRY	DRY	DRY	DRY	
Carbonate Alkalinity as CaCO3	Carb	mg/L	DRY	DRY	<0.1	<0.1				<0.1		DRY	DRY	DRY	DRY	DRY	
Bicarbonate Alkalinity as CaCO3	Bicard	mg/L	DRY	DRY	85.4	103				131		DRY	DRY	DRY	DRY	DRY	
Total Alkalinity as CaCO3	Total	mg/L	DRY	DRY	85	103				131		DRY	DRY	DRY	DRY	DRY	
Ammonia (as N)	Ammonia	mg/L N	DRY	DRY	<0.1	<0.1				<0.1		DRY	DRY	DRY	DRY	DRY	
Nitrite (as N)	Nitrite	mg/L N	DRY	DRY	0.12	0.03				<0.1		DRY	DRY	DRY	DRY	DRY	
Nitrate (as N)	Nitrate	mg/L N	DRY	DRY	19.5	2.41				0.39		DRY	DRY	DRY	DRY	DRY	
Nitrate + Nitrate as N (Nox)	Oxidsed_N	mg/L N	DRY	DRY	19.6	2.43				0.39		DRY	DRY	DRY	DRY	DRY	
Depth to water	Depth_to_water	m	DRY	DRY	0.87	1.66				3		DRY	DRY	DRY	DRY	DRY	
Depth to sample	Sample Depth	m	DRY	DRY	1.18	1.68				3.16		DRY	DRY	DRY	DRY	DRY	
Bio chemical oxygen demand	BOD	mg/L	DRY	DRY	<2	<2				<2		DRY	DRY	DRY	DRY	DRY	

** not enough water to sample