



**Analytical Results - (MRF)
GLENLOGAN ROAD MATERIAL RECYCLING FACILITY
& LANDFILL SITE**

EPA License Number **6435**
Link to Licence <https://apps.epa.nsw.gov.au/prpoeoapp/Detail.a>
Licensee Name Cowra Shire Council
Licensee Address Private Bag 342, Cowra NSW 2794
Location of Monitoring Point GLENLOGAN ROAD MATERIAL RECYCLING

Scheduled Activity Non-thermal treatment of general waste
Waste disposal by application to land
Unit/s of Measure Listed below
Monitoring points Listed below, also see map
Date Published 8/02/2022
Date Obtained 28/12/2017
Frequency of Monitoring Monitoring Points 1,2, 3 , 4, 5, 6 and 7 twice a year

Map of Monitoring Points



2021-2022 REPORTING

Sampling twice a year for Points 1,2,3,7			Results								
Pollutant	Limits set by EPA	Reporting Limit set on Lab Report	Monitoring Point 1 Ground Water		Monitoring Point 2 Ground Water		Monitoring Point 3 Ground Water		Monitoring Point 7 Leachate		
Sample date	N o L i m i t s				8/09/2021	22/12/2021	8/09/2021	22/12/2021	8/09/2021	22/12/2021	
Ammonia		0.01				0.04	0.15	0.03	0.15	42	17
Biological Oxygen Demand		5				<5	<5	<5	<5	36	26
Calcium		0.2				21	21	21	20	200	160
Chloride		1				71	47	53	47	16000	21000
Fluoride		0.1				0.76	0.86	0.77	0.86	0.24	0.1
Iron		0.005				<5	0.13	<5	0.14	120	440
Magnesium		0.1				16	17	17	17	82	88
Manganese		0.001				<1	0.006	<1	0.006	2100	660
Nitrate		0.005				1.9	3.1	3.1	3.1	<0.25	0.1
Potassium		0.1				1.3	1.6	1.3	1.5	220	170
Sodium		0.5				84	88	85	88	8600	11000
Standing water Level		N.A				24	24	21	22	NA	NA
Sulfate		1				14	12	12	12	9.3	19
Total Organic Carbon		0.2				1.6	2.2	1.6	2.3	100	86
Total Phenolics		0.01				<0.01	<0.1	<0.01	<0.1	0.02	0.11
Alkalinity		5				220	210	190	220	530	310
Conductivity		2				600	560	500	560	48000	48000
pH		0				6.8	7.4	7	7.4	7.6	8.2
Total Suspended Soild	5				NA	NA	NA	NA	NA	NA	

Sampling twice a year for Points 4,5 and 6			Results						
Pollutant	Limits set by EPA	Reporting Limit set on Lab Report	Monitoring Point 4 Sedimentation Basin		Monitoring Point 5 Irrigation Dam		Monitoring Point 6 Exit Culvert		
Sample date	N o L i m i t s		8/09/2021	22/12/2021	8/09/2021	22/12/2021	8/09/2021	22/12/2021	
Alkalinity		5		67	62	78	68	51	88
Conductivity		2		150	8000	180	440	100	190
pH		0		7.1	7.1	7.1	7.4	7	7.1
Total Suspended Soild		5		39	89	<5	15	31	31

2020-2021 REPORTING

Sampling twice a year for Points 1,2,3,7			Results							
Pollutant	Limits set by EPA	Reporting Limit set on Lab Report	Monitoring Point 1 Ground Water		Monitoring Point 2 Ground Water		Monitoring Point 3 Ground Water		Monitoring Point 7 Leachate	
Sample date	N o L i m i t s				20/05/2020	2/12/2020	20/05/2020	2/12/2020	20/05/2020	2/12/2020
Ammonia		0.01			0.18	0.06	0.08	0.03	0.04	0.35
Biological Oxygen Demand		5	N o s a m p l e s t a k e n	N o s a m p l e s t a k e n	7	<5	<5	<5	14	<5
Calcium		0.2			18	26	20	20	22	27
Chloride		1			28	63	6.1	6.1	0.04	83
Fluoride		0.1			0.54	0.66	0.33	0.47	0.15	0.35
Iron		0.005			14	<5	5	12	6	13
Magnesium		0.1			14	21	14	14	17	22
Manganese		0.001			3	5	5	5	<1	65
Nitrate		0.005			0.14	0.41	2.6	2.7	1.4	0.03
Potassium		0.1			1.5	1.5	0.6	1	66	55
Sodium		0.5			58	84	17	16	86	64
Standing water Level		N.A								
Sulfate		1			8.2	12	6.1	7.2	1.4	40
Total Organic Carbon		0.2			5.9	1.7	2.1	1.1	33	19
Total Phenlics		0.01			<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Alkalinity		5			180	250	120	130	110	230
Conductivity		2			430	630	270	260	820	710
pH		0			7.2	6.8	7.2	6.9	9	7.7
Total Suspended Soilid		5			NA	NA	NA	NA	NA	NA

Sampling twice a year for Points 4,5 and 6			Results					
Pollutant	Limits set by EPA	Reporting Limit set on Lab Report	Monitoring Point 4 Sedimentation Basin		Monitoring Point 5 Irrigation Dam		Monitoring Point 6 Exit Culvert	
Sample date	N o L i m i t s		20/05/2020	2/12/2020	20/05/2020	2/12/2020	20/05/2020	2/12/2020
Alkalinity		5	67	140	78	98	51	74
Conductivity		2	150	510	180	200	100	140
pH		0	7.1	7.2	7.1	7.2	7	6.8
Total Suspended Soilid		5	39	130	<5	6	31	24

2019-2020 REPORTING

Sampling twice a year for Points 1,2,3,7			Results								
Pollutant	Limits	Reporting Limit set on Lab Report	Monitoring Point 1 Ground Water		Monitoring Point 2 Ground Water		Monitoring Point 3 Ground Water		Monitoring Point 7 Leachate		
Sample date	No Limits required in Licence		3/04/2019	10/10/2019	3/04/2019	10/10/2019	3/04/2019	10/10/2019	3/04/2019	10/10/2019	
Ammonia		0.01				0.03	0.3	0.02	0.14	2.6	4.8
Biological Oxygen Demand		5	No	No	<5	<5	<5	<5	<5	<5	
Calcium		0.2	s	s	17	19	15	18	15	28	
Chloride		1	a	a	24	29	26	29	470	520	
Fluoride		0.1	m	m	0.52	0.73	0.6	0.72	0.51	0.1	
Iron		0.005	p	p	0.031	23	0.032	11	<0.005	100	
Magnesium		0.1	l	l	12	14	11	14	52	69	
Manganese		0.001	e	e	0.032	19	0.005	12	0.089	140	
Nitrate		0.005	t	t	0.62	0.21	1.6	0.31	<0.005	<0.005	
Potassium		0.1	a	a	2.4	1.5	3.4	1.7	200	240	
Sodium		0.5	k	k	45	60	70	58	310	550	
Standing water Level		N.A	e	e	22.6	19.2	20.4	21.6			
Sulfate		1	D	D	10	9.1	11.5	8.1	N.A	N.A	
Total Organic Carbon		0.2	r	r	5	4.7	12	3.1	30	11	
Total Phenics		0.01	B	B	<0.01	<0.01	<0.01	<0.01	130	140	
Alkalinity		5	o	o	<0.01	<0.01	<0.01	<0.01	0.01	0.01	
Conductivity		2	r	r	160	200	230	200	460	730	
pH		0	e	e	360	410	450	440	3100	4000	
Total Suspended Soilid		5			8.2	7.4	7.4	6.7	9.6	8.3	
				N.A	N.A	N.A	N.A	N.A	N.A		

Sampling twice a year for Points 4,5			Results					
Pollutant	Limits	Reporting Limit set on Lab Report	Monitoring Point 4 Sedimentation Basin		Monitoring Point 5 Irrigation Dam		Monitoring Point 6 Exit Culvert	
Sample date	No Limits set in Licence		3/04/2019	10/10/2019	3/04/2019	10/10/2019	3/04/2019	10/10/2019
Alkalinity		5	No samples taken Dry	No samples taken Dry	95	140	No samples taken Dry	No samples taken Dry
Conductivity		2			300	370		
pH		0			8.2	7.8		
Total Suspended Soilid		5			32	45		

2018-2019 REPORTING

Sampling twice a year for Points 1,2,3,7			Results								
Pollutant	Limits	Reporting Limit set on Lab Report	Monitoring Point 1 Ground Water		Monitoring Point 2 Ground Water		Monitoring Point 3 Ground Water		Monitoring Point 7 Leachate		
Sample date	<i>No Limits set in Licence</i>		27/03/2018	13/11/2018	27/03/2018	13/11/2018	27/03/2018	13/11/2018	27/03/2018	13/11/2018	
Ammonia		0.01				0.03	<0.01	0.02	0.02	0.66	N.A
Biological Oxygen Demand		5		N	N	7	<5	24	<5	24	N.A
Calcium		0.2		s	s	16	17	16	17	15	N.A
Chloride		1		a	a	23	25	28	25	470	N.A
Fluoride		0.1		m	m	0.46	0.68	0.6	0.72	0.49	N.A
Iron		0.005		p	p	0.037	0.008	0.032	<0.005	<0.005	N.A
Magnesium		0.1		l	l	11	13	11	14	49	N.A
Manganese		0.001		e	e	0.015	0.022	0.005	0.012	0.089	N.A
Nitrate		0.005		s	s	0.75	0.39	1.6	0.27	<0.005	N.A
Potassium		0.1		t	t	3.4	2.4	3.4	1.6	160	N.A
Sodium		0.5		a	a	74	50	74	51	310	N.A
Standing water Level		N.A		k	k	22.6	18.6	20.4	23.5		
Sulfate		1		e	e					N.A	N.A
Total Organic Carbon		0.2		r	r	11	6.5	15	6.5	30	N.A
Total Phenolics		0.01		y	y	11	3.3	12	3.1	130	N.A
Alkalinity		5		B	B	<0.01	<0.01	<0.01	<0.01	0.01	N.A
Conductivity		2		o	o	150	190	200	200	460	690
pH	0		r	r	350	450	450	450	2300	3100	
Total Suspended Solid	5		e	e	7.4	7.1	7.4	7.1	9.6	8.1	
					N.A	N.A	N.A	N.A	N.A	N.A	

Sampling twice a year for			Results						
Pollutant	Limits	Reporting Limit set on Lab Report	Monitoring Point 4 Sedimentation Basin		Monitoring Point 5 Irrigation Dam		Monitoring Point 6 Exit Culvert		
Sample date	<i>No Limits set in Licence</i>		27/03/2018	13/11/2018	27/03/2018	13/11/2018	27/03/2018	13/11/2018	
Alkalinity		5		140	130	93	280	83	98
Conductivity		2		330	350	230	900	160	200
pH		0		7.6	8.9	8.1	7	7.5	7
Total Suspended Solid		5		160	9	<5	29000	29	<5



Inspection Point	Description
1	Groundwater Monitoring Bore
2	Groundwater Monitoring Bore
3	Groundwater Monitoring Bore
4	Surface Water Monitoring Point
5	Surface Water Monitoring Point
6	Surface Water Monitoring Point
7	Leachate Quality Monitoring Point

NOTES/ AMENDMENTS :

SCALE : 1: 2500
 DATUM :
 AZMUTH :

SURVEY REF :
 PROJECT CODE :

SURVEYED :
 DATE :
 DESIGNED :
 DATE :
 DRAWN :
 DATE :

CHECKED AND RECOMMENDED
 DESIGN ENGINEER DATE :
 APPROVED
 MANAGER DATE :



MATERIALS RECYCLING FACILITY
 EPA LICENCE 6435
 INSPECTION POINT(S)

A3	REVISION
	A
SHEET No.	OF SHEETS
1	1