



**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	26/04/2024
Frequency of Monitoring	Monitoring Points 1,2, 3 , 4, 5, 6 and 7 twice a year

Map of Monitoring Points



2024-2025 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				10/10/2024	12/02/2025	10/10/2024	12/02/2025	10/10/2024	12/02/2025
Ammonia		0.01	D r y	D r y	<0.01	0.02	<0.01	<0.01	5	13
Biological Oxygen Demand		5			<5	<5	<5	<5	39	110
Calcium		0.2			31	37	21	21		
Chloride		1			170	310	23	19	-	-
Fluoride		0.1			0.39	0.37	0.39	0.7	-	-
Iron		0.005			11	370	<5	430		
Magnesium		0.1			24	29	14	15		
Manganese		0.001			<1	10	<1	7		
Nitrate		0.005			1.9	1.3	3.2	3.6	<0.25	<0.005
Potassium		0.1			1.7	3.2	0.5	0.6		
Sodium		0.5			140	220	36	38		
Standing water Level		N.A			22	21	18	18	NA	NA
Sulfate		1			19	15	6.8	8.2	-	-
Total Organic Carbon		0.2			2	3.7	0.6	1.6		
Total Phenics		0.01			<0.05	<0.05	<0.05	<0.05	0.11	<0.05
Alkalinity		5			210	200	150	140	200	300
Conductivity		2			1500	1300	390	330	42000	89000
pH		0			7.1	7.4	7	7.2	7.4	7.7
Total Suspended Soilid		5								

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	L i m i t s		10/10/2024	12/02/2025	10/10/2024	12/02/2025	10/10/2024	12/02/2025
Alkalinity		5	120	140	110	120	82	120
Conductivity		2	550	530	1200	800	180	590
pH		0	7.2	7.4	7.7	7.7	7	7.3
Total Suspended Soilid		5	19	620	<5	8	39	18

2023-2024 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	
			19/10/2023	4/03/2023	19/10/2023	4/03/2023	19/10/2023	4/03/2023		
Ammonia	N o L i m i t s	0.01	D r y w e l l	D r y w e l l	<0.01	<0.01	<0.01	<0.01	0.02	0.11
Biological Oxygen Demand		5			<5	<5	<5	<5	53	58
Calcium		0.2			32	29	21	23	130	140
Chloride		1			120	140	17	25	21000	28000
Fluoride		0.1			0.47	0.43	0.39	0.55	0.24	0.25
Iron		0.005			<5	13	55	120	150	490
Magnesium		0.1			25	24	14	16	77	100
Manganese		0.001			<1	<1	<1	8	30	380
Nitrate		0.005			1.4	1.8	2.7	3	<0.50	<2.5
Potassium		0.1			1.5	1.5	0.5	0.6	240	240
Sodium		0.5			100	110	21	31	13000	15000
Standing water Level		N.A			24	24	21	22	NA	NA
Sulfate		1			18	19	7.6	8.3	17	4.4
Total Organic Carbon		0.2			1.5	1.4	0.6	0.7	83	98
Total Phenolics		0.01			<0.1	<0.05	<0.1	<0.05	<0.1	<0.05
Alkalinity		5			240	210	130	130	110	160
Conductivity		2			1000	900	340	380	54000	83000
pH		0			7.2	7.4	6.8	6.9	9.8	8.4
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	
			19/10/2023	4/03/2023	19/10/2023	4/03/2023	19/10/2023	4/03/2023
Alkalinity	L i m i t s	5	150	130	96	100	58	63
Conductivity		2	4700	980	2100	1600	130	140
pH		0	7.4	7.2	7.7	7.2	6.8	7.2
Total Suspended Soilid		5	25	16	51	8	110	210

2022-2023 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		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	7/07/2022	15/12/2021	7/07/2022	15/12/2021	7/07/2022	15/12/2021
Ammonia		0.01			<0.01	0.03	<0.01	<0.01	18	0.59
Biological Oxygen Demand		5			<5	<5	<5	22	IS	
Calcium		0.2			26	27	21	22	160	<0.2
Chloride		1			62	95	7.6	8.5	19000	15000
Fluoride		0.1			0.72	0.81	0.57	0.56	0.25	<5.0
Iron		0.005			220	11	950	92	900	480
Magnesium		0.1			22	22	15	15	70	<0.1
Manganese		0.001			4	<1	12	3	1800	230
Nitrate		0.005			1.9	1.6	2.8	2.9	<0.50	<0.25
Potassium		0.1			1.5	1.5	0.5	0.6	180	<0.1
Sodium		0.5			100	100	19	17	11000	<0.5
Standing water Level		N.A			24	24	21	22	NA	NA
Sulfate		1			15	17	6.3	6.3	48	30
Total Organic Carbon		0.2			1.7	2	0.5	0.8	84	6
Total Phenlics		0.01			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Alkalinity		5			220	270	120	280	340	170
Conductivity		2			660	740	290	280	60000	45000
pH		0			7.1	7.7	6.9	6.9	6.7	8.1
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	L i m i t s		7/07/2022	15/12/2021	7/07/2022	15/12/2021	7/07/2022	15/12/2021
Alkalinity		5	94	69	95	71	49	68
Conductivity		2	1500	1900	2700	1900	110	160
pH		0	6.9	7.4	6.8	7.4	6.7	7
Total Suspended Soild		5	76	26	<5	180	150	74

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		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	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 Phenlics		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 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	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 Soilid		5	39	89	<5	15	31	31



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