

Blantyre Farms, Murringo Rd, Young NSW 2594
 EPA public register: <http://www.epa.nsw.gov.au/publicregister/>

EPL 1643

Effluent Volume Monitoring - Monitoring Point 2

Year	2022-2023	2023-2024	2024-2025	2025-2026
Unit of Measure	kL/day	kL/day	kL/day	kL/day
Frequency	Daily	Daily	Daily	Daily
No. of measurements	365	365	365	365
Lowest result	0	0	0	0
Mean result	29.3	35.82	6	4.7
Highest result	206	225	150	232

EPL 11468

Effluent Quality Monitoring - Point 3 - Yearly frequency

Date		2022-2023	2023-2024	2024-2025	2025-2026
Conductivity	µS/cm	13900	18500	20500	19500
Nitrogen - total	mg/L	1390	1630	1850	1700
pH	pH	8.15	8.16	8.11	8.11
Phosphorus - total	mg/L	17.5	19.8	22.8	19.2
Sodium Adsorption Ratio		20.8	16.8	19.9	18.6

SEP's Waste Monitoring - Point 5 - Yearly frequency

Date		2022-2023	2023-2024	2024-2025	2025-2026
Nitrogen - total	mg/kg	12800	34800	19200	23200
Phosphorus - total	mg/kg	34100	115000	27700	26700
Potassium	mg/kg	5540	8930	8510	8540
Sodium	mg/kg	2800	4020	3930	3380

Groundwater monitoring - Yearly frequency

Point 7 (DHG2)

Date		2022-2023	2023-2024	2024-2025	2025-2026
Ammonia	mg/L	<0.01	0.14	0.03	0.01
Conductivity	µS/cm	3500	3700	3500	3700
Nitrate	mg/L	1.9	1.6	1.5	1.4
pH	pH	7.1	7.8	7.2	7.2
Standing Water Level	M	20	25	33	26

Point 10 (DHG5)

Date		2022-2023	2023-2024	2024-2025	2025-2026
Ammonia	mg/L	<0.01	0.02	0.05	0.03
Conductivity	µS/cm	4100	3700	2000	2100
Nitrate	mg/L	0.35	0.04	0.05	0.04
pH	pH	7.4	6.9	7.2	7.2
Standing Water Level	M	34	40	24	35

Point 11 (DHG6)

Date		2022-2023	2023-2024	2024-2025	2025-2026
Ammonia	mg/L				
Conductivity	µS/cm				
Nitrate	mg/L				
pH	pH				
Standing Water Level	M	Dry	Dry	Dry	Dry

Soils monitoring - Yearly frequency

Point 16 (YP)

Date		2022-2023	2023-2024	2024-2025	2025-2026
Aluminium	cmol(+)	<0.1	0.05	<0.02	0.4
Available Phosphorus	mg/kg	31	29	85	57
Calcium	cmol(+)	2.7	2.9	3.27	2.72
Cation Exchange Capacity	cmol(+)	4.3	4.4	5.0	4.34
Chloride	mg/kg	21	6	36	6
Conductivity	dS/m	0.11	0.05	0.05	0.05
Magnesium	cmol(+)	0.7	0.7	1.03	0.94
Nitrate	mg/kg	11	7.3	3.8	5.4
Nitrogen - total	mg/kg	1500	1700	1900	1900
Organic Carbon	%	2	2.13	2.15	2.19
pH	pH	5.9	4.7	5.04	4.94
Potassium	cmol(+)	0.88	0.66	0.595	0.57
Sodium	cmol(+)	0.03	0.03	0.02	<0.020

Point 17 (YS)

Date		2022-2023	2023-2024	2024-2025	2025-2026
Aluminium	cmol(+)	<0.1	0.1	<0.02	0
Available Phosphorus	mg/kg	66	47	49	54
Calcium	cmol(+)	3	3.04	2.37	2.53
Cation Exchange Capacity	cmol(+)	4.1	3.99	3.4	3.7
Chloride	mg/kg	17	<5	<5	<5
Conductivity	dS/m	0.08	0.04	0.04	0.04
Magnesium	cmol(+)	0.7	0.54	0.52	0.64
Nitrate	mg/kg	11	6.6	5.1	6.0
Nitrogen - total	mg/kg	1200	1300	1600	1300
Organic Carbon	%	1.5	1.64	1.94	1.68
pH	pH	6.3	5.12	4.98	5.16
Potassium	cmol(+)	0.41	0.365	0.42	0.47
Sodium	cmol(+)	<0.02	<0.02	<0.020	<0.020

Point 18 (RP)

Date		2022-2023	2023-2024	2024-2025	2025-2026
Aluminium	cmol(+)	<0.1	<0.02	<0.02	0
Available Phosphorus	mg/kg	46	53	94	120
Calcium	cmol(+)	4.6	3.67	3.87	4.21
Cation Exchange Capacity	cmol(+)	6.4	4.99	5.88	6.16
Chloride	mg/kg	17	<5	<5	9
Conductivity	dS/m	0.1	0.051	0.07	0.07
Magnesium	cmol(+)	0.9	0.633	0.97	1.2
Nitrate	mg/kg	9.4	8.7	3.7	7
Nitrogen - total	mg/kg	1300	1400	1800	1500
Organic Carbon	%	1.8	1.74	1.96	1.83
pH	pH	6.5	4.97	5.33	5.46
Potassium	cmol(+)	0.88	0.62	0.92	0.66
Sodium	cmol(+)	0.02	0.02	0.04	0.03

Point 19 (RE)

Date		2022-2023	2023-2024	2024-2025	2025-2026
Aluminium	cmol(+)	<0.1	<0.02	<0.02	0
Available Phosphorus	mg/kg	22	19	26	71
Calcium	cmol(+)	5.9	8.21	7.28	8
Cation Exchange Capacity	cmol(+)	8.4	11.2	10.1	11.3
Chloride	mg/kg	24	8	<5	19
Conductivity	dS/m	0.07	0.06	0.04	0.068
Magnesium	cmol(+)	1.4	1.6	1.7	2.2
Nitrate	mg/kg	7	7.6	4.0	6.6
Nitrogen - total	mg/kg	1400	2000	2000	2100
Organic Carbon	%	1.9	2.5	2.5	2.3
pH	pH	6.4	5.53	5.3	5.81
Potassium	cmol(+)	1.1	1.3	1.1	1.08
Sodium	cmol(+)	0.03	0.02	0.02	0.06

Point 20 (LI)

Date		2022-2023	2023-2024	2024-2025	2025-2026
Aluminium	cmol(+)	<0.1	<0.02	<0.02	0
Available Phosphorus	mg/kg	46	39	56	38
Calcium	cmol(+)	5.3	4.19	4.88	4.43
Cation Exchange Capacity	cmol(+)	6.9	5.36	6.25	5.52
Chloride	mg/kg	27	<5	<5	9
Conductivity	dS/m	0.09	0.05	0.05	0.05
Magnesium	cmol(+)	0.9	0.6	0.8	0.7
Nitrate	mg/kg	13	6.9	6.0	5.6
Nitrogen - total	mg/kg	1800	1400	1800	1200
Organic Carbon	%	2.1	1.76	2.0	1.4
pH	pH	6.4	5.53	5.4	5.8
Potassium	cmol(+)	0.59	0.56	0.48	0.40
Sodium	cmol(+)	0.06	<0.02	<0.02	<0.020

Soils monitoring - 3 yearly frequency

Point 21 (YP)

Date		2024-2025
Aluminium	cmol(+)	<0.02
Available Phosphorus	mg/kg	5.7
Calcium	cmol(+)	7.1
Cation Exchange Capacity	cmol(+)	10.6
Chloride	mg/kg	14
Conductivity	dS/m	0.05
Magnesium	cmol(+)	2.6
Nitrate	mg/kg	1.6
Nitrogen - total	mg/kg	460
Organic Carbon	%	0.3
pH	pH	6.4
Potassium	cmol(+)	0.71
Sodium	cmol(+)	0.20

Point 22 (YS)

Date		2024-2025
Aluminium	cmol(+)	<0.02
Available Phosphorus	mg/kg	<5
Calcium	cmol(+)	2.4
Cation Exchange Capacity	cmol(+)	4.4
Chloride	mg/kg	10
Conductivity	dS/m	0.02
Magnesium	cmol(+)	1.68
Nitrate	mg/kg	3.6
Nitrogen - total	mg/kg	300
Organic Carbon	%	0.15
pH	pH	5.8
Potassium	cmol(+)	0.12
Sodium	cmol(+)	0.14

Point 23 (RP)

Date		2024-2025
Aluminium	cmol(+)	<0.02
Available Phosphorus	mg/kg	<5
Calcium	cmol(+)	3.3
Cation Exchange Capacity	cmol(+)	5.2
Chloride	mg/kg	17
Conductivity	dS/m	0.04
Magnesium	cmol(+)	1.5
Nitrate	mg/kg	8.4
Nitrogen - total	mg/kg	300
Organic Carbon	%	0.2
pH	pH	5.9
Potassium	cmol(+)	0.36
Sodium	cmol(+)	0.07

Point 24 (RE)

Date		2024-2025
Aluminium	cmol(+)	<0.02
Available Phosphorus	mg/kg	6.5
Calcium	cmol(+)	5.7
Cation Exchange Capacity	cmol(+)	8.9
Chloride	mg/kg	21
Conductivity	dS/m	0.03
Magnesium	cmol(+)	2.7
Nitrate	mg/kg	1.7
Nitrogen - total	mg/kg	460
Organic Carbon	%	0.36
pH	pH	5.8
Potassium	cmol(+)	0.41
Sodium	cmol(+)	0.12

Point 25 (LI)

Date		2024-2025
Aluminium	cmol(+)	<0.02
Available Phosphorus	mg/kg	5.5
Calcium	cmol(+)	1.4
Cation Exchange Capacity	cmol(+)	1.7
Chloride	mg/kg	7
Conductivity	dS/m	0.01
Magnesium	cmol(+)	0.20
Nitrate	mg/kg	<1.0
Nitrogen - total	mg/kg	300
Organic Carbon	%	0.13
pH	pH	6.4
Potassium	cmol(+)	0.11
Sodium	cmol(+)	<0.02

Effluent Volume Monitoring - Monitoring Point 2

Year	2022-2023	2023-2024	2024-2025	2025-26
Unit of Measure	kL/day	kL/day	kL/day	kL/day
Frequency	Daily	Daily	Daily	Daily
No. of measurements	365	365	365	365
Lowest result	0	0	0	0
Mean result	66.9	53.2	81.94	50.3
Highest result	387	350	387	356.25

SEPS Waste Monitoring - Monitoring Point 5

Year	2022-2023	2023-2024	2024-2025	2025-26
Unit of Measure	tonnes	tonnes	tonnes	tonnes
Frequency	Yearly	Yearly	Yearly	Yearly
No. of measurements	1	1	1	1
Lowest result	0	0	0	0
Mean result	330	0	1200	750
High result	0	0	0	0