

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

EPL 1643 - No monitoring required

EPL 11468

Effluent Quality Monitoring - Point 3 - Yearly frequency

Date		2015-2016	2016-2017	2017-2018	2018-2019
Conductivity	(μ S/cm)	1600	21000	26000	27000
Nitrogen - total	mg/L	290	1600	65	2100
pH	pH	8.1	7.9	7.9	7.9
Phosphorus - total	mg/L	12	30	11	42
Sodium Adsorption Ratio	mg/L	23	20	44	16

Straw Waste Monitoring - Point 4 - Yearly frequency

Not applicable

SEP's Waste Monitoring - Point 5 - Yearly frequency

Date		2015-2016	2016-2017	2017-2018	2018-2019
Nitrogen - total	mg/kg	21200	14000	24000	19000
Phosphorus - total	mg/kg	38000	20000	26000	70000
Potassium	mg/kg	9300	8100	9600	7800
Sodium	mg/kg	2600	5100	4300	4400

Groundwater monitoring - Yearly frequency

Point 7 (DHG2)

Date		2015-2016	2016-2017	2017-2018	2018-2019
Ammonia	mg/L	0.18	0.12	<0.01	0.02
Conductivity	μ S/cm	3400	2700	3400	3500
Nitrate	mg/L	1.4	0.93	2	1.7
pH	pH	8	7	7.4	7.9
Standing Water Level	M	30	25	27	27

Point 10 (DHG5)

Date		2015-2016	2016-2017	2017-2018	2018-2019
Ammonia	mg/L	0.24	0.13	0.17	Dry
Conductivity	μ S/cm	3600	3700	4900	
Nitrate	mg/L	0.15	0.07	0.19	
pH	pH	8	7.1	8.1	
Standing Water Level	M	40	35	35	

Point 11 (DHG6)

Date		2015-2016	2016-2017	2017-2018	2018-2019
Ammonia	mg/L				
Conductivity	μ S/cm				
Nitrate	mg/L				
pH	pH				
Standing Water Level	M	Dry	Dry	Dry	Dry

Soils monitoring - Yearly frequency

Point 16 (YP)

Date		2015-2016	2015-2016	2016-2017	2017-2018	2018-2019	2018-2019
Aluminium	cmol(+)	<0.1	0.3	0.1	<0.1	<0.1	<0.1
Available Phosphorus	mg/kg	6	18	47	26	40	<5
Calcium	cmol(+)	1.1	6.4	2.2	2.2	2.1	4.5
Cation Exchange Capacity	cmol(+)	2.6	11.5	3.9	3.6	3.5	9.4
Chloride	mg/kg	<10	48	33	13	21	35
Conductivity	µS/cm	40	90	90	70	90	60
Magnesium	cmol(+)	0.3	3.9	0.7	0.5	0.06	4.1
Nitrate	mg/kg	2	6	12	10	24	4
Nitrogen - total	mg/kg	300	1200	1700	1700	1900	<500
Organic Carbon	%	0.2	1	1.7	1	1.6	<0.2
pH	pH	5.9	7.8	5.9	6.1	6	7.5
Potassium	cmol(+)	0.75	0.91	0.83	0.91	0.85	0.27
Sodium	cmol(+)	0.02	0.38	0.1	0.03	0.03	0.54

Point 17 (YS)

Date		2015-2016	2015-2016	2016-2017	2017-2018	2018-2019	2018-2019
Aluminium	cmol(+)	<0.1	0.2	<0.1	<0.1	<0.1	<0.1
Available Phosphorus	mg/kg	<5	72	76	56	67	<5
Calcium	cmol(+)	3.4	3.4	3	2.9	2.8	3.1
Cation Exchange Capacity	cmol(+)	4.3	9.3	4.5	3.7	3.8	7.1
Chloride	mg/kg	<10	<10	21	<10	<10	<10
Conductivity	µS/cm	40	40	70	50	40	30
Magnesium	cmol(+)	0.5	4.9	0.8	0.5	0.6	3.6
Nitrate	mg/kg	2	2	8	8	5	3
Nitrogen - total	mg/kg	200	1200	1700	1400	1100	<500
Organic Carbon	%	<0.2	1	1.6	0.9	1.2	0.3
pH	pH	6.4	6.9	6.4	6.5	6.4	6.4
Potassium	cmol(+)	0.28	0.37	0.58	0.35	0.44	0.26
Sodium	cmol(+)	0.03	0.52	0.03	<0.02	<0.02	0.18

Point 18 (RP)

Date		2015-2016	2015-2016	2016-2017	2017-2018	2018-2019	2018-2019
Aluminium	cmol(+)	<1.0	<1.0	0.1	<0.1	<0.1	<0.1
Available Phosphorus	mg/kg	<5	46	110	39	66	<5
Calcium	cmol(+)	2.6	3.6	7.3	3.3	4.5	4.2
Cation Exchange Capacity	cmol(+)	5.5	6.5	10	4.6	6.3	6.8
Chloride	mg/kg	<10	<10	19	13	<10	<10
Conductivity	µS/cm	30	60	120	90	0.09	0.04
Magnesium	cmol(+)	0.9	3.5	1.5	0.6	0.9	2.3
Nitrate	mg/kg	2	4	30	26	21	4
Nitrogen - total	mg/kg	300	1500	2700	1900	1900	<500
Organic Carbon	%	0.2	1.3	2.5	1	1.7	0.3
pH	pH	6.8	6.9	6.8	6.3	6.6	7.6
Potassium	cmol(+)	0.2	0.92	1	0.7	0.91	0.23
Sodium	cmol(+)	0.03	0.21	0.08	<0.02	0.05	0.18

Point 19 (RE)

Date		2015-2016	2015-2016	2016-2017	2017-2018	2018-2019	2018-2019
Aluminium	cmol(+)	<0.1	<0.1	0.1	<0.1	<0.1	0.1
Available Phosphorus	mg/kg	<5	40	75	15	86	<5
Calcium	cmol(+)	4.5	5.8	9.3	5	5	3
Cation Exchange Capacity	cmol(+)	6.6	10.4	13.5	8.1	7.4	9.9
Chloride	mg/kg	<10	<10	52	10	<10	40
Conductivity	µS/cm	30	60	160	60	70	60
Magnesium	cmol(+)	0.9	4	1.9	1.7	1.4	5.7
Nitrate	mg/kg	1	3	10	7	5	<1
Nitrogen - total	mg/kg	400	1900	3600	1700	3000	700
Organic Carbon	%	0.2	1.7	3.2	1.4	2.6	0.3
pH	pH	7	7.4	6.8	6.4	6.5	7.5
Potassium	cmol(+)	0.45	1.1	2.1	1.4	1	0.7
Sodium	cmol(+)	0.03	0.14	0.05	0.04	0.03	0.31

Point 20 (LI)

Date		2015-2016	2015-2016	2016-2017	2017-2018	2018-2019	2018-2019
Aluminium	cmol(+)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Available Phosphorus	mg/kg	<5	32	36	39	23	<5
Calcium	cmol(+)	4.3	4.8	4.6	3.9	3.3	6.1
Cation Exchange Capacity	cmol(+)	4.8	6.6	6.2	4.9	4.5	15
Chloride	mg/kg	<10	<10	15	<10	11	20
Conductivity	µS/cm	20	30	60	60	60	90
Magnesium	cmol(+)	0.4	1.9	1	0.6	0.8	7.9
Nitrate	mg/kg	<1	2	6	6	18	1
Nitrogen - total	mg/kg	100	1500	2200	1800	1600	<500
Organic Carbon	%	<0.2	1.3	2	0.8	1.9	0.3
pH	pH	6.8	7.2	6.2	7.3	5.8	8.4
Potassium	cmol(+)	0.27	0.31	0.5	0.43	0.23	0.13
Sodium	cmol(+)	<0.02	0.2	0.07	<0.02	0.07	0.85