

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		2014-2015	2015-2016	2016-2017	2017-2018
Conductivity	(µS/cm)	24000	1600	21000	26000
Nitrogen - total	mg/L	2300	290	1600	65
pH	pH	8	8.1	7.9	7.9
Phosphorus - total	mg/L	65	12	30	11
Sodium Adsorption Ratio	mg/L	44	23	20	44

Straw Waste Monitoring - Point 4 - Yearly frequency

Not applicable

SEP's Waste Monitoring - Point 5 - Yearly frequency

Date		2014-2015	2015-2016	2016-2017	2017-2018
Nitrogen - total	mg/kg	19335	21200	14000	24000
Phosphorus - total	mg/kg	27000	38000	20000	26000
Potassium	mg/kg	5800	9300	8100	9600
Sodium	mg/kg	2000	2600	5100	4300

Groundwater monitoring - Yearly frequency

Point 7 (DHG2)

Date		2014-2015	2015-2016	2016-2017	2017-2018
Ammonia	mg/L	0.06	0.18	0.12	<0.01
Conductivity	µS/cm	3300	3400	2700	3400
Nitrate	mg/L	1.3	1.4	0.93	2
pH	pH	7	8	7	7.4
Standing Water Level	M	28	30	25	27

Point 10 (DHG5)

Date		2014-2015	2015-2016	2016-2017	2017-2018
Ammonia	mg/L	0.09	0.24	0.13	0.17
Conductivity	µS/cm	2100	3600	3700	4900
Nitrate	mg/L	0.14	0.15	0.07	0.19
pH	pH	7.7	8	7.1	8.1
Standing Water Level	M	22	40	35	35

Point 11 (DHG6)

Date		2014-2015	2015-2016	2016-2017	2017-2018
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		2014-2015	2015-2016	2015-2016	2016-2017	2017-2018
Aluminium	cmol(+)	0.1	<0.1	0.3	0.1	<0.1
Available Phosphorus	mg/kg	26	6	18	47	26
Calcium	cmol(+)	2.5	1.1	6.4	2.2	2.2
Cation Exchange Capacity	cmol(+)	4.4	2.6	11.5	3.9	3.6
Chloride	mg/kg	<10	<10	48	33	13
Conductivity	µS/cm	50	40	90	90	70
Magnesium	cmol(+)	0.6	0.3	3.9	0.7	0.5
Nitrate	mg/kg	2	2	6	12	10
Nitrogen - total	mg/kg	1400	300	1200	1700	1700
Organic Carbon	%	1.4	0.2	1	1.7	1
pH	pH	6	5.9	7.8	5.9	6.1
Potassium	cmol(+)	1.2	0.75	0.91	0.83	0.91
Sodium	cmol(+)	0.06	0.02	0.38	0.1	0.03

Point 17 (YS)

Date		2014-2015	2015-2016	2015-2016	2016-2017	2017-2018
Aluminium	cmol(+)	0.1	<0.1	0.2	<0.1	<0.1
Available Phosphorus	mg/kg	34	<5	72	76	56
Calcium	cmol(+)	4	3.4	3.4	3	2.9
Cation Exchange Capacity	cmol(+)	5.1	4.3	9.3	4.5	3.7
Chloride	mg/kg	<10	<10	<10	21	<10
Conductivity	µS/cm	40	40	40	70	50
Magnesium	cmol(+)	0.5	0.5	4.9	0.8	0.5
Nitrate	mg/kg	1	2	2	8	8
Nitrogen - total	mg/kg	1200	200	1200	1700	1400
Organic Carbon	%	1	<0.2	1	1.6	0.9
pH	pH	7.3	6.4	6.9	6.4	6.5
Potassium	cmol(+)	0.38	0.28	0.37	0.58	0.35
Sodium	cmol(+)	0.05	0.03	0.52	0.03	<0.02

Point 18 (RP)

Date		2014-2015	2015-2016	2015-2016	2016-2017	2017-2018
Aluminium	cmol(+)	0.1	<1.0	<1.0	0.1	<0.1
Available Phosphorus	mg/kg	140	<5	46	110	39
Calcium	cmol(+)	7	2.6	3.6	7.3	3.3
Cation Exchange Capacity	cmol(+)	10.4	5.5	6.5	10	4.6
Chloride	mg/kg	24	<10	<10	19	13
Conductivity	µS/cm	170	30	60	120	90
Magnesium	cmol(+)	1.6	0.9	3.5	1.5	0.6
Nitrate	mg/kg	19	2	4	30	26
Nitrogen - total	mg/kg	2200	300	1500	2700	1900
Organic Carbon	%	2	0.2	1.3	2.5	1
pH	pH	7	6.8	6.9	6.8	6.3
Potassium	cmol(+)	1.6	0.2	0.92	1	0.7
Sodium	cmol(+)	0.05	0.03	0.21	0.08	<0.02

Point 19 (RE)

Date		2014-2015	2015-2016	2015-2016	2016-2017	2017-2018
Aluminium	cmol(+)	0.1	<0.1	<0.1	0.1	<0.1
Available Phosphorus	mg/kg	22	<5	40	75	15
Calcium	cmol(+)	3.8	4.5	5.8	9.3	5
Cation Exchange Capacity	cmol(+)	6.5	6.6	10.4	13.5	8.1
Chloride	mg/kg	<10	<10	<10	52	10
Conductivity	µS/cm	50	30	60	160	60
Magnesium	cmol(+)	1.2	0.9	4	1.9	1.7
Nitrate	mg/kg	2	1	3	10	7
Nitrogen - total	mg/kg	1500	400	1900	3600	1700
Organic Carbon	%	1.4	0.2	1.7	3.2	1.4
pH	pH	5.9	7	7.4	6.8	6.4
Potassium	cmol(+)	1.3	0.45	1.1	2.1	1.4
Sodium	cmol(+)	0.06	0.03	0.14	0.05	0.04

Point 20 (LI)

Date		2014-2015	2015-2016	2015-2016	2016-2017	2017-2018
Aluminium	cmol(+)	0.1	<0.1	<0.1	<0.1	<0.1
Available Phosphorus	mg/kg	66	<5	32	36	39
Calcium	cmol(+)	6.5	4.3	4.8	4.6	3.9
Cation Exchange Capacity	cmol(+)	8.6	4.8	6.6	6.2	4.9
Chloride	mg/kg	17	<10	<10	15	<10
Conductivity	µS/cm	140	20	30	60	60
Magnesium	cmol(+)	1.2	0.4	1.9	1	0.6
Nitrate	mg/kg	13	<1	2	6	6
Nitrogen - total	mg/kg	2200	100	1500	2200	1800
Organic Carbon	%	2.1	<0.2	1.3	2	0.8
pH	pH	6.9	6.8	7.2	6.2	7.3
Potassium	cmol(+)	0.79	0.27	0.31	0.5	0.43
Sodium	cmol(+)	<0.02	<0.02	0.2	0.07	<0.02