

Environment Monitoring Results



Environment Protection Licences No	6033
Link To Licence on EPA Website	http://www.epa.nsw.gov.au/prpoeoapp/ViewPOEOLicence.aspx?DOCID=32671&SYSUID=1&LICID=6033
Licencees Name	Rivalea (Australia) Pty Ltd
Licencees Address	Balpool Station Via, Moulamein, NSW 2733
Substance Monitored	SOIL
Monitoring Frequency	Yearly
Reporting period	14/07/2013 -14/07/2017
Published Date	14/08/2017

2017

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Aggregate stability	Dispersion Index (Loveday/Pyle)	3	3	0	6.6	10
Cation Exchange Capacity	milliequivalents	3	3	9.7	21.7	31.4
Conductivity	deciSiemens per metre	3	3	0.05	0.24	0.44
Exchangeable calcium	millimoles of positive charge per kilogram of soil	3	3	9.7	21.7	31.4
Exchangeable sodium percentage	percent	3	3	14.1	19.7	23.3
Nitrate	milligrams per kilogram	3	3	4	5.3	6
Nitrogen (ammonia)	milligrams per kilogram	3	3	1	1	1
Nitrogen (total)	milligrams per kilogram	3	3	30	38	42
pH	pH	3	3	6.3	6.9	7.5
Phosphorus (total)	milligrams per kilogram	3	3	26	31.3	38
Total Soil Organic Material	milligrams per kilogram	3	3	1100	1267	1410

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2013

Pollutant	Unit of measure	No. of samples required	No. of samples collected and analysed	Lowest sample value	Mean of sample	Highest sample value
Aggregate stability	As approp.	3	3	Water stable	Partial	Partial
Cation Exchange Capacity	milliequivalents	3	3	4.69	17.6	26.6
Conductivity	deciSiemens per metre	3	3	0.11	0.46	0.61
Exchangeable calcium	millimoles of positive charge per kilogram of soil	3	3	3.4	8.15	11
Exchangeable sodium percentage	percent	3	3	4.5	12.95	26.0
Nitrate	milligrams per kilogram	3	3	2.5	69.9	170
Nitrogen (ammonia)	milligrams per kilogram	3	3	0.6	1.4	2.4
Nitrogen (total)	milligrams per kilogram	3	3	400	1533	3400
pH	pH	3	3	5.4	7.0	8.2
Phosphorus (total)	milligrams per kilogram	3	3	25	143.3	310
Total Soil Organic Material	milligrams per kilogram	3	3	1500	13766.6	29000