

Environment Monitoring Results



Environment Protection Licence No.	11604
Link to Licence on EPA Website	https://app.epa.nsw.gov.au/prpoeoapp/Detail.aspx?instid=11604&id=11604&option=licence&searchrange=licence&range=POEO%20licence&prp=no&status=Issued
Licences Name	Altora Ag Pty Ltd
Licences Address	95 Twynam St TEMORA NSW 2666
Substance Monitored	Soil
Monitoring Frequency	Yearly
Reporting Period	18/01/2023 - 17/01/2024
Published Date	15/03/2024

Sampling Date		20/02/2023				20/02/2023				20/02/2023				20/02/2023				
Monitoring Point		H2 North - Heinrichs				W2 East - Wilesmiths				M3 East - Marlow				M4 West - Marlow				
Pollutants	Units	0-10	10-20	20-75cm	Average	0-10	10-20	20-75cm	Average	0-10	10-20	20-75cm	Average	0-10	10-20	20-75cm	Average	Sample Mean
Chloride	mg/kg	41.00	14.00	26.00	26.40	34.00	13.00	25.00	24.60	30.00	11.00	28.00	26.00	81.00	33.00	43.00	46.73	30.93
Elect Conductivity	uS/cm	140.00	70.00	100.00	101.33	200.00	110.00	140.00	144.00	180.00	100.00	330.00	279.33	410.00	180.00	340.00	328.00	213.17
Nitrate	mg/kg	21.00	8.60	5.00	7.61	27.00	19.00	9.50	13.10	7.50	6.80	4.70	5.35	12.00	14.00	6.60	8.31	8.59
pH	1:5 water	6.50	6.30	7.10	6.91	6.80	6.30	7.00	6.88	7.40	7.20	8.90	8.47	8.50	7.50	8.90	8.66	7.73
Total Nitrogen	mg/kg	1100.00	750.00	500.00	613.33	1100.00	890.00	500.00	632.00	1200.00	730.00	500.00	624.00	910.00	780.00	500.00	592.00	615.33
Total Organic Carbon	mg/kg	16000.00	14000.00	4000.00	6933.33	12000.00	10300.00	4100.00	5980.00	16900.00	11300.00	4100.00	6766.67	11300.00	11700.00	5200.00	6880.00	6640.00
Total Phosphorus	mg/kg	240.00	230.00	98.00	134.53	290.00	260.00	77.00	129.80	440.00	280.00	100.00	169.33	270.00	270.00	110.00	152.67	146.58
Exchangeable Calcium (Amm-acet)	meq/100g	5.40	4.60	2.20	2.95	4.90	4.20	3.00	3.41	8.60	7.40	11.00	10.20	11.00	8.90	10.00	9.99	6.64
Exchangeable Magnesium (Amm-acet.)	meq/100g	3.30	1.90	5.90	5.02	4.70	2.70	7.90	6.78	5.10	4.90	11.00	9.40	8.10	6.70	12.00	10.77	7.99
Exchangeable Sodium (Amm-acet.)	meq/100g	0.66	0.30	1.20	1.01	1.30	0.42	1.70	1.48	1.20	0.77	3.20	2.61	2.70	1.20	3.20	2.87	1.99
Exchangeable Potassium (Amm-acet.)	meq/100g	0.88	0.64	0.53	0.59	0.61	0.49	0.44	0.47	1.20	1.00	0.91	0.96	0.94	0.98	0.58	0.68	0.68
Cation Exchange Capacity	meq/100g	10.30	7.55	9.98	9.70	11.70	8.04	13.10	12.24	16.20	14.20	26.00	23.12	22.90	17.90	25.40	24.07	17.28
Available Phosphorus (Colwell)	mg/kg	37.00	32.00	7.20	14.48	65.00	46.00	6.90	19.86	84.00	52.00	9.70	25.25	52.00	46.00	8.80	19.52	19.78
ESP - Exchangeable Sodium %	%	6.40	4.00	12.00	10.19	11.00	5.30	13.00	11.71	7.50	5.40	12.00	10.52	12.00	7.00	13.00	12.07	11.12
PSC - Phosphorous Sorption Capacity	Buffer Index (PBI)	54.00	70.00	54.00	56.13	49.00	69.00	62.00	61.20	91.00	83.00	87.00	87.00	83.00	99.00	87.00	88.07	73.10