

Bartter Enterprises Pty Limited
EPL - 2486
Bartter Processing Plant
Farm 124 Murphy Road, Hanwood NSW 2680

Waste Water treatment Plant
Farm 126 McGann Road & Murrumbidgee Avenue, Hanwood NSW 2680

Yearly Summary November, 2014
Published 14/11/2014

Licence condition M2.2: Water Monitoring Requirements

Date Sampled	Date Results Received	Monitoring frequency	Pollutant	Units	EPA identification point		
					no. 1 DAF to Pond 1	no. 2 Pond 4 - Irrigation	Storage Lagoon to MI
30/10/2014	10/11/2014	Yearly	Biological Oxygen Demand	mg/L	620	13	13
30/10/2014	10/11/2014	Yearly	Electrical Conductivity	µs/cm	1800	1900	1900
30/10/2014	10/11/2014	Yearly	Total Nitrogen	mg/L	94	88	88
30/10/2014	10/11/2014	Yearly	pH	pH	6.5	8.3	8.3
30/10/2014	10/11/2014	Yearly	Total Phosphorus	mg/L	12	10	10
30/10/2014	10/11/2014	Yearly	Potassium	mg/L	74	76	76
30/10/2014	10/11/2014	Yearly	Sodium	mg/L	120	200	200
30/10/2014	10/11/2014	Yearly	Sodium Absorbance Ratio	SAR units	7.5	9	9
30/10/2014	10/11/2014	Yearly	Total Dissolved Solids	mg/L	810	820	820
30/10/2014	10/11/2014	Yearly	Total Suspended Solids	mg/L	99	27	27

Licence condition M2.2: Soil Monitoring Requirements

Date Sampled	Results Received	Monitoring frequency	Pollutant	Units	EPA identification point							
					no. 4 BH 2 (0-15cm)	no. 5 BH 2 (15-100cm)	no. 6 BH 3 (0-15cm)	no. 7 BH 3 (15-100cm)	no. 8 BH 4 (0-15cm)	no. 9 BH 4 (15-100cm)	no. 10 BH 5 (0-15cm)	no. 11 BH 5 (15-100cm)
14/10/2014	11/11/2014	Yearly	Electrical Conductivity	µs/cm	555	427	369	436	414	321	364	537
14/10/2014	11/11/2014	Yearly	Exchangeable Calcium	mmol/kg	217	321	69.5	294	255	147	272	304
14/10/2014	11/11/2014	Yearly	Exchangeable Magnesium	mmol/kg	43	64.4	29.7	53.7	51.4	54	47.2	96.6
14/10/2014	11/11/2014	Yearly	Exchangeable Potassium	mmol/kg	37.5	17	25.8	19.3	39.9	22.6	34.4	24.8
14/10/2014	11/11/2014	Yearly	Exchangeable Sodium	mmol/kg	30.2	34.5	21	31.3	23.9	21.1	26.6	33.5
14/10/2014	11/11/2014	Yearly	Total Nitrogen	mg/kg	1700	418	1360	370	1740	492	1120	382
14/10/2014	11/11/2014	Yearly	pH	pH	8.5	9	7.8	8.9	8.4	8.6	8.6	8.6
14/10/2014	11/11/2014	Yearly	Total Phosphorus	mg/kg	1420	187	356	176	1700	194	694	81
14/10/2014	11/11/2014	Yearly	Potassium	mg/kg	3900	4040	2390	3400	4360	3170	3710	3750
14/10/2014	11/11/2014	Yearly	Sodium	mg/kg	739	801	422	662	562	441	557	697
14/10/2014	11/11/2014	Yearly	Sodium Absorbance Ratio	SAR units	3	2	3	2	2	2	2	2

Licence condition M2.2: Groundwater Monitoring Requirements

Date Sampled	Results Received	Monitoring frequency	Pollutant	Units	EPA identification point							
					no. 12 GW 1 (5m)	no. 12 GW 1 (15m)	no. 13 GW 2 (5m)	no. 13 GW 2 (15m)	no. 14 GW 3 (5m)	no. 14 GW 3 (15m)	no. 15 GW 4 (5m)	no. 15 GW 4 (15m)
14/10/2014	11/11/2014	Yearly	Depth	meters	2.4	4.1	1.5	3.5	2.2	3	3.8	3.3
14/10/2014	11/11/2014	Yearly	Electrical Conductivity	µs/cm	12900	7070	2210	2650	5630	4400	13100	13500
14/10/2014	11/11/2014	Yearly	Nitrogen (Nitrate)	mg/L	47	1	2	2	30	11	5	33
14/10/2014	11/11/2014	Yearly	pH	pH	7.4	8.1	7.9	8.3	7.8	8.1	7.3	7.6
14/10/2014	11/11/2014	Yearly	Total Phosphorus	mg/L	0.52	0.02	0.07	0.03	0.27	0.01	0.66	0.01
14/10/2014	11/11/2014	Yearly	Potassium (dissolved)	mg/L	80.8	37.3	27.8	20.8	60.4	33.9	70	70.3
14/10/2014	11/11/2014	Yearly	Sodium (dissolved)	mg/L	1920	1190	358	497	791	673	1980	1940