

Wastewater Monitoring Data January 2013

Published: 14 February 2012
 Licensee: Cargill Newcastle
 EPL no.: 1510

Qualifications related to limits
 Samples taken as per approved methods.

EPA Point ID	Sampling Date	Date Results Received	Pollutant	Measurement Period and Monitoring Frequency Required by Licence	Units	Value 16/01/13	2013 Values to date		
							Min Value	Mean Value	Max Value
12	16/01/13	06/02/13	pH	Quarterly	pH Unit	7.67	7.67	7.67	7.67
			Sodium Adsorption Ratio	Quarterly	-	9.59	9.59	9.59	9.59
			Electrical Conductivity	Quarterly	µS/cm	1,270	1,270	1,270	1,270
			Chloride	Quarterly	mg/L	199	199	199	199
			Total Nitrogen	Quarterly	mg/L	18.2	18.2	18.2	18.2
			Total Phosphorus	Quarterly	mg/L	0.58	0.58	0.58	0.58
			Oil and Grease	Quarterly	mg/L	7	7	7	7
			Calcium	Quarterly	mg/L	23	23	23	23
			Magnesium	Quarterly	mg/L	10	10	10	10
			Sodium	Quarterly	mg/L	219	219	219	219
			Potassium	Quarterly	mg/L	31	31	31	31
			Arsenic	Annually	mg/L	0.006	0.006	0.006	0.006
			Cadmium	Annually	mg/L	<0.0001	<0.0001	<0.0001	<0.0001
			Chromium	Annually	mg/L	0.003	0.003	0.003	0.003
Copper	Annually	mg/L	0.005	0.005	0.005	0.005			
Lead	Annually	mg/L	<0.001	<0.001	<0.001	<0.001			
Nickel	Annually	mg/L	0.004	0.004	0.004	0.004			
Zinc	Annually	mg/L	0.116	0.116	0.116	0.116			
			Organochlorine Pesticides	Annually	mg/L	N/D	N/D	N/D	N/D
			Organophosphate Pesticides	Annually	mg/L	N/D	N/D	N/D	N/D
13	16/01/13	06/02/13	pH	Quarterly	pH Unit	7.89	7.89	7.89	7.89
			Sodium Adsorption Ratio	Quarterly	-	2.09	2.09	2.09	2.09
			Electrical Conductivity	Quarterly	µS/cm	830	830	830	830
			Chloride	Quarterly	mg/L	62	62	62	62
			Total Kjeldahl Nitrogen	Quarterly	mg/L	19	19	19	19
			Total Nitrogen	Quarterly	mg/L	8	8	8	8
			Total Phosphorus	Quarterly	mg/L	18.4	18.4	18.4	18.4
			Oil and Grease	Quarterly	mg/L	<5	<5	<5	<5
			Enterococci	Quarterly	CFU/100mL	20,000	20,000	20,000	20,000
			Faecal Coliforms	Quarterly	CFU/100mL	230,000	230,000	230,000	230,000
			Calcium	Quarterly	mg/L	19	19	19	19
			Magnesium	Quarterly	mg/L	8	8	8	8
			Sodium	Quarterly	mg/L	43	43	43	43
			Potassium	Quarterly	mg/L	30	30	30	30
			Arsenic	Annually	mg/L	<0.001	<0.001	<0.001	<0.001
			Cadmium	Annually	mg/L	<0.0001	<0.0001	<0.0001	<0.0001
			Chromium	Annually	mg/L	0.007	0.007	0.007	0.007
			Copper	Annually	mg/L	0.142	0.142	0.142	0.142
Lead	Annually	mg/L	0.007	0.007	0.007	0.007			
Nickel	Annually	mg/L	0.023	0.023	0.023	0.023			
Zinc	Annually	mg/L	1.10	1.10	1.10	1.10			

*N/D: Not Detected