

Wastewater Monitoring Data October 2015

Published: (CARGILL TO INSERT WEB PUBLICATION DATE)									
Licensee: Cargill Newcastle									
EPL no.: 5810									
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 30/10/2015	2015 Values to date		
							Min Value	Mean Value	Max Value
12	30/10/2015	10/11/2015	pH	Quarterly	pH Unit	7.8	7.53	7.73	8.01
			Sodium Adsorption Ratio	Quarterly	-	6.42	4.09	6.11	8.78
			Electrical Conductivity	Quarterly	µS/cm	942	559	1,022	1,720
			Chloride	Quarterly	mg/L	120	43	108	206
			Total Nitrogen	Quarterly	mg/L	43.9	20.1	34.5	43.9
			Total Phosphorus	Quarterly	mg/L	0.4	0.40	1.27	2.87
			Oil and Grease	Quarterly	mg/L	34	14	27	38
			Calcium	Quarterly	mg/L	19	13	25	41
			Magnesium	Quarterly	mg/L	7	5	9	18
			Sodium	Quarterly	mg/L	129	68	145	268
			Potassium	Quarterly	mg/L	6	6	13	23
			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	<0.001	<0.001	<0.001	<0.001
			Copper	Annually	mg/L	<0.001	<0.001	<0.001	<0.001
			Lead	Annually	mg/L	<0.001	<0.001	<0.001	<0.001
			Nickel	Annually	mg/L	0.002	0.002	0.002	0.002
			Zinc	Annually	mg/L	0.018	0.018	0.018	0.018
Organochlorine Pesticides	Annually	mg/L	<0.5	<0.5	<0.5	<0.5			
Organophosphate Pesticides	Annually	mg/L	<0.5	<0.5	<0.5	<0.5			
13	30/10/2015	10/11/2015	pH	Quarterly	pH Unit	7.65	7.48	7.65	7.74
			Sodium Adsorption Ratio	Quarterly	-	2.79	2.60	2.70	2.79
			Electrical Conductivity	Quarterly	µS/cm	1,210	962	1,136	1,330
			Chloride	Quarterly	mg/L	103	85	95	103
			Total Nitrogen	Quarterly	mg/L	99.0	61.3	81.0	99.0
			Total Phosphorus	Quarterly	mg/L	12.80	7.87	10.32	12.80
			Oil and Grease	Quarterly	mg/L	12	7	9	12
			Enterococci	Quarterly	CFU/ 100mL	1,800	1,000	26,450	70,000
			Faecal Coliforms	Quarterly	CFU/ 100mL	12,000	12,000	216,250	430,000
			Calcium	Quarterly	mg/L	25	21	26	33
			Magnesium	Quarterly	mg/L	9	8	9	9
			Sodium	Quarterly	mg/L	64	56	62	68
			Potassium	Quarterly	mg/L	44	27	36	44
			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	0.003	0.003	0.003	0.003
			Copper	Annually	mg/L	0.048	0.048	0.048	0.048
			Lead	Annually	mg/L	0.008	0.008	0.008	0.008
Nickel	Annually	mg/L	0.010	0.010	0.010	0.010			
Zinc	Annually	mg/L	0.142	0.142	0.142	0.142			

*N/D: Not Detected