

Wastewater Monitoring Data July 2016

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 26/07/2016	2016 Values to date		
							Min Value	Mean Value	Max Value
12	26/07/2016	09/08/2016	pH	Quarterly	pH Unit	8.34	8.34	8.61	8.93
			Sodium Adsorption Ratio	Quarterly	-	14.5	9.96	11.79	14.50
			Electrical Conductivity	Quarterly	µS/cm	1,380	1,020	1,267	1,400
			Chloride	Quarterly	mg/L	101	87	107	134
			Total Nitrogen	Quarterly	mg/L	19.4	9.2	19.8	30.7
			Total Phosphorus	Quarterly	mg/L	0.44	0.27	0.37	0.44
			Oil and Grease	Quarterly	mg/L	28	12	21	28
			Calcium	Quarterly	mg/L	17	17	20	27
			Magnesium	Quarterly	mg/L	6	5	7	9
			Sodium	Quarterly	mg/L	274	199	236	274
			Potassium	Quarterly	mg/L	5	5	7	9
			Arsenic	Annually	mg/L	-	-	-	-
			Cadmium	Annually	mg/L	-	-	-	-
			Chromium	Annually	mg/L	-	-	-	-
			Copper	Annually	mg/L	-	-	-	-
			Lead	Annually	mg/L	-	-	-	-
			Nickel	Annually	mg/L	-	-	-	-
			Zinc	Annually	mg/L	-	-	-	-
			Organochlorine Pesticides	Annually	mg/L	-	-	-	-
			Organophosphate Pesticides	Annually	mg/L	-	-	-	-
13	26/07/2016	09/08/2016	pH	Quarterly	pH Unit	7.70	7.48	7.63	7.70
			Sodium Adsorption Ratio	Quarterly	-	2.44	2.35	2.52	2.75
			Electrical Conductivity	Quarterly	µS/cm	1,160	810	973	1,160
			Chloride	Quarterly	mg/L	93	65	76	93
			Total Nitrogen	Quarterly	mg/L	71.6	56.6	65	71.6
			Total Phosphorus	Quarterly	mg/L	10.90	9.00	9.98	10.90
			Oil and Grease	Quarterly	mg/L	<5	<5	9	20
			Enterococci	Quarterly	CFU/ 100mL	~120	~120	9,105	30,000
			Faecal Coliforms	Quarterly	CFU/ 100mL	~<2	~<2	204,376	800,000
			Calcium	Quarterly	mg/L	24	20	22	24
			Magnesium	Quarterly	mg/L	8	7	8	8
			Sodium	Quarterly	mg/L	54	50	54	61
			Potassium	Quarterly	mg/L	31	24	30	35
			Arsenic	Annually	mg/L	-	-	-	-
			Cadmium	Annually	mg/L	-	-	-	-
			Chromium	Annually	mg/L	-	-	-	-
			Copper	Annually	mg/L	-	-	-	-
			Lead	Annually	mg/L	-	-	-	-
			Nickel	Annually	mg/L	-	-	-	-
			Zinc	Annually	mg/L	-	-	-	-

*N/D: Not Detected