

Wastewater Monitoring Data October 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 21/10/2016	2016 Values to date		
							Min Value	Mean Value	Max Value
12	21/10/2016	02/11/2016	pH	Quarterly	pH Unit	8.02	8.02	8.47	8.93
			Sodium Adsorption Ratio	Quarterly	-	9.46	9.46	11.21	14.50
			Electrical Conductivity	Quarterly	µS/cm	1,020	1,020	1,205	1,400
			Chloride	Quarterly	mg/L	91	87	103	134
			Total Nitrogen	Quarterly	mg/L	31.9	9.2	22.8	31.9
			Total Phosphorus	Quarterly	mg/L	1.30	0.27	0.61	1.30
			Oil and Grease	Quarterly	mg/L	79	12	36	79
			Calcium	Quarterly	mg/L	14	14	19	27
			Magnesium	Quarterly	mg/L	6	5	7	9
			Sodium	Quarterly	mg/L	168	168	219	274
			Potassium	Quarterly	mg/L	14	5	9	14
			Arsenic	Annually	mg/L	0.002	0.002	0.002	0.002
			Cadmium	Annually	mg/L	<0.0001	<0.0001	<0.0001	<0.0001
			Chromium	Annually	mg/L	0.206	0.206	0.206	0.206
			Copper	Annually	mg/L	0.011	0.011	0.011	0.011
			Lead	Annually	mg/L	<0.001	<0.001	<0.001	<0.001
			Nickel	Annually	mg/L	0.058	0.058	0.058	0.058
			Zinc	Annually	mg/L	0.067	0.067	0.067	0.067
			Organochlorine Pesticides	Annually	µg/L	<0.5	<0.5	<0.5	<0.5
			Organophosphate Pesticides	Annually	µg/L	<0.5	<0.5	<0.5	<0.5
13	21/10/2016	02/11/2016	pH	Quarterly	pH Unit	7.47	7.47	7.60	7.70
			Sodium Adsorption Ratio	Quarterly	-	2.60	2.35	2.54	2.75
			Electrical Conductivity	Quarterly	µS/cm	1,040	810	986	1,160
			Chloride	Quarterly	mg/L	78	65	76	93
			Total Nitrogen	Quarterly	mg/L	71.2	56.6	66.2	71.6
			Total Phosphorus	Quarterly	mg/L	10.1	9.0	10.0	10.9
			Oil and Grease	Quarterly	mg/L	8	5	9	20
			Enterococci	Quarterly	CFU/ 100mL	~280	120	7,340	30,000
			Faecal Coliforms	Quarterly	CFU/ 100mL	960	2	163,692	800,000
			Calcium	Quarterly	mg/L	20	20	22	24
			Magnesium	Quarterly	mg/L	7	7	8	8
			Sodium	Quarterly	mg/L	53	50	54	61
			Potassium	Quarterly	mg/L	27	24	29	35
			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	0.002	0.002	0.002	0.002
			Copper	Annually	mg/L	0.027	0.027	0.027	0.027
			Lead	Annually	mg/L	0.001	0.001	0.001	0.001
			Nickel	Annually	mg/L	0.052	0.052	0.052	0.052
			Zinc	Annually	mg/L	0.080	0.080	0.080	0.080

*N/D: Not Detected