

Details of Licence Conditions

EPA Licence No: 828

Link to full license on EPA website: <http://www.epa.nsw.gov.au/prpoeoapp/Detail.aspx?instid=828&id=828&option=licence&searchrange=licence&range=POFO licence&prp=no&status=Issued>

Licensee Name: ORICA AUSTRALIA PTY LTD

Licensee Address: 15 Greenleaf Rd, KOORAGANG NSW 2304

Location of Monitoring Points: http://www.orica.com/images/UserUploadedImages/495/2013_Orica-KI_monitoring_locations.jpg

Concentration Limit: See licence M2.3

Monthly Summary: March 2020 (Monitoring Points 13 -15) Stormwater

Monitoring Point	Location of Monitoring Point	Date Published	Pollutant	Units of Measure	Monitoring Frequency Required by Licence	No. of Times measured during month	Min. Value	Mean Value	Median Value	Max. Value
13	Catchment 4 - Nitrates	8/04/20	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	36	N/A
		8/04/20	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	0	N/A
		8/04/20	Chromium (hexavalent)	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
		8/04/20	Nitrate	mg/L	Once per month during rain event	1	N/A	N/A	43	N/A
		8/04/20	Nitrite	mg/L	Once per month during rain event	1	N/A	N/A	0.16	N/A
		8/04/20	Nitrogen (total)	mg/L	Once per month during rain event	1	N/A	N/A	39	N/A
		8/04/20	pH	pH	Once per month during rain event	1	N/A	N/A	6.74	N/A
		8/04/20	Phosphate	mg/L	Once per month during rain event	1	N/A	N/A	0.3	N/A
		8/04/20	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	1	N/A	N/A	<0.05	N/A
		8/04/20	Phosphorus (total)	mg/L	Once per month during rain event	1	N/A	N/A	0.10	N/A
		8/04/20	TKN	mg/L	Once per month during rain event	1	N/A	N/A	82	N/A
		8/04/20	TSS	mg/L	Once per month during rain event	1	N/A	N/A	21	N/A
		8/04/20	Flow	kL/Day	Daily during discharge	6	17	137	28	563
		14	Catchment 5 - Bagging South	8/04/20	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A
8/04/20	Arsenic			mg/L	Once per month during rain event	1	N/A	N/A	<0.001	N/A
8/04/20	Chromium (hexavalent)			mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
8/04/20	Nitrate			mg/L	Once per month during rain event	1	N/A	N/A	70.8	N/A
8/04/20	Nitrite			mg/L	Once per month during rain event	1	N/A	N/A	0.2	N/A
8/04/20	Nitrogen (total)			mg/L	Once per month during rain event	1	N/A	N/A	73.0	N/A
8/04/20	pH			pH	Once per month during rain event	1	N/A	N/A	6.59	N/A
8/04/20	Phosphate			mg/L	Once per month during rain event	1	N/A	N/A	0.38	N/A
8/04/20	Phosphorus (dissolved reactive)			mg/L	Once per month during rain event	1	N/A	N/A	<0.05	N/A
8/04/20	Phosphorus (total)			mg/L	Once per month during rain event	1	N/A	N/A	0.12	N/A
8/04/20	TKN			mg/L	Once per month during rain event	1	N/A	N/A	144.0	N/A
8/04/20	TSS			mg/L	Once per month during rain event	1	N/A	N/A	26	N/A
8/04/20	Flow			kL/Day	Daily during discharge	4	14	132	26	461
15	Catchment 6 - Bagging North			8/04/20	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A
		8/04/20	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	0.00	N/A
		8/04/20	Chromium (hexavalent)	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
		8/04/20	Nitrate	mg/L	Once per month during rain event	1	N/A	N/A	21.30	N/A
		8/04/20	Nitrite	mg/L	Once per month during rain event	1	N/A	N/A	0.24	N/A
		8/04/20	Nitrogen (total)	mg/L	Once per month during rain event	1	N/A	N/A	17.9	N/A
		8/04/20	pH	pH	Once per month during rain event	1	N/A	N/A	6.57	N/A
		8/04/20	Phosphate	mg/L	Once per month during rain event	1	N/A	N/A	1.75	N/A
		8/04/20	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	1	N/A	N/A	0.18	N/A
		8/04/20	Phosphorus (total)	mg/L	Once per month during rain event	1	N/A	N/A	0.57	N/A
		8/04/20	TKN	mg/L	Once per month during rain event	1	N/A	N/A	39.4	N/A
		8/04/20	TSS	mg/L	Once per month during rain event	1	N/A	N/A	38.0	N/A
		8/04/20	Flow	kL/Day	Daily during discharge	15	2	34	12	277

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Concentration Limit: See licence M2.3

Monthly Summary: March 2020 (Monitoring Point 10-12)

Stormwater

Monitoring Point	Location of Monitoring Point	Date Published	Pollutant	Units of Measure	Monitoring Frequency Required by Licence	No. of Times measured during month	Min. Value	Mean Value	Median Value	Max. Value		
10	Catchment 1 - Ammonia Storage	8/04/20	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	6.40	N/A		
		8/04/20	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	0.004	N/A		
		8/04/20	Chromium (hexavalent)	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A		
		8/04/20	Nitrate	mg/L	Once per month during rain event	1	N/A	N/A	10.4	N/A		
		8/04/20	Nitrite	mg/L	Once per month during rain event	1	N/A	N/A	0.12	N/A		
		8/04/20	Nitrogen (total)	mg/L	Once per month during rain event	1	N/A	N/A	8.0	N/A		
		8/04/20	pH	pH	Once per month during rain event	1	N/A	N/A	7.43	N/A		
		8/04/20	Phosphate	mg/L	Once per month during rain event	1	N/A	N/A	5.66	N/A		
		8/04/20	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	1	N/A	N/A	0.10	N/A		
		8/04/20	Phosphorus (total)	mg/L	Once per month during rain event	1	N/A	N/A	1.85	N/A		
		8/04/20	TKN	mg/L	Once per month during rain event	1	N/A	N/A	18.5	N/A		
		8/04/20	TSS	mg/L	Once per month during rain event	1	N/A	N/A	83	N/A		
		8/04/20	Flow	kL/Day	Daily during discharge	19	2	99	66	666		
		11	Catchment 2 - Admin/NH3	8/04/20	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	3.00	N/A
				8/04/20	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	0.002	N/A
				8/04/20	Chromium (hexavalent)	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
8/04/20	Nitrate			mg/L	Once per month during rain event	1	N/A	N/A	5.18	N/A		
8/04/20	Nitrite			mg/L	Once per month during rain event	1	N/A	N/A	0.12	N/A		
8/04/20	Nitrogen (total)			mg/L	Once per month during rain event	1	N/A	N/A	3.8	N/A		
8/04/20	pH			pH	Once per month during rain event	1	N/A	N/A	6.88	N/A		
8/04/20	Phosphate			mg/L	Once per month during rain event	1	N/A	N/A	0.68	N/A		
8/04/20	Phosphorus (dissolved reactive)			mg/L	Once per month during rain event	1	N/A	N/A	0.05	N/A		
8/04/20	Phosphorus (total)			mg/L	Once per month during rain event	1	N/A	N/A	0.22	N/A		
8/04/20	TKN			mg/L	Once per month during rain event	1	N/A	N/A	9.1	N/A		
8/04/20	TSS			mg/L	Once per month during rain event	1	N/A	N/A	15	N/A		
8/04/20	Flow			kL/Day	Daily during discharge	19	2	131	65	744		
12	Catchment 3 - Ammonia			8/04/20	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	1.40	N/A
				8/04/20	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	0.007	N/A
				8/04/20	Chromium (hexavalent)	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
		8/04/20	Nitrate	mg/L	Once per month during rain event	1	N/A	N/A	4.13	N/A		
		8/04/20	Nitrite	mg/L	Once per month during rain event	1	N/A	N/A	0.07	N/A		
		8/04/20	Nitrogen (total)	mg/L	Once per month during rain event	1	N/A	N/A	1.6	N/A		
		8/04/20	pH	pH	Once per month during rain event	1	N/A	N/A	6.82	N/A		
		8/04/20	Phosphate	mg/L	Once per month during rain event	1	N/A	N/A	1.26	N/A		
		8/04/20	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	1	N/A	N/A	0.11	N/A		
		8/04/20	Phosphorus (total)	mg/L	Once per month during rain event	1	N/A	N/A	0.41	N/A		
		8/04/20	TKN	mg/L	Once per month during rain event	1	N/A	N/A	5.8	N/A		
		8/04/20	TSS	mg/L	Once per month during rain event	1	N/A	N/A	16	N/A		
		8/04/20	Flow	kL/Day	Daily during discharge	9	7	131	49	720		

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Concentration Limit: See licence M2.3

Monthly Summary: February 2020 (Monitoring Points 13 -15) Stormwater

Monitoring Point	Location of Monitoring Point	Date Published	Pollutant	Units of Measure	Monitoring Frequency Required by Licence	No. of Times measured during month	Min. Value	Mean Value	Median Value	Max. Value
13	Catchment 4 - Nitrates	11/03/20	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	89	N/A
		11/03/20	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	0	N/A
		11/03/20	Chromium (hexavalent)	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
		11/03/20	Nitrate	mg/L	Once per month during rain event	1	N/A	N/A	79	N/A
		11/03/20	Nitrite	mg/L	Once per month during rain event	1	N/A	N/A	0.18	N/A
		11/03/20	Nitrogen (total)	mg/L	Once per month during rain event	1	N/A	N/A	196	N/A
		11/03/20	pH	pH	Once per month during rain event	1	N/A	N/A	6.56	N/A
		11/03/20	Phosphate	mg/L	Once per month during rain event	1	N/A	N/A	0.3	N/A
		11/03/20	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	1	N/A	N/A	0.14	N/A
		11/03/20	Phosphorus (total)	mg/L	Once per month during rain event	1	N/A	N/A	0.10	N/A
		11/03/20	TKN	mg/L	Once per month during rain event	1	N/A	N/A	116	N/A
		11/03/20	TSS	mg/L	Once per month during rain event	1	N/A	N/A	15	N/A
		11/03/20	Flow	kL/Day	Daily during discharge	1	427	427	427	427
		14	Catchment 5 - Bagging South	11/03/20	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A
11/03/20	Arsenic			mg/L	Once per month during rain event	1	N/A	N/A	<0.001	N/A
11/03/20	Chromium (hexavalent)			mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
11/03/20	Nitrate			mg/L	Once per month during rain event	1	N/A	N/A	124.0	N/A
11/03/20	Nitrite			mg/L	Once per month during rain event	1	N/A	N/A	0.1	N/A
11/03/20	Nitrogen (total)			mg/L	Once per month during rain event	1	N/A	N/A	232.0	N/A
11/03/20	pH			pH	Once per month during rain event	1	N/A	N/A	6.37	N/A
11/03/20	Phosphate			mg/L	Once per month during rain event	1	N/A	N/A	0.26	N/A
11/03/20	Phosphorus (dissolved reactive)			mg/L	Once per month during rain event	1	N/A	N/A	0.04	N/A
11/03/20	Phosphorus (total)			mg/L	Once per month during rain event	1	N/A	N/A	0.08	N/A
11/03/20	TKN			mg/L	Once per month during rain event	1	N/A	N/A	108.0	N/A
11/03/20	TSS			mg/L	Once per month during rain event	1	N/A	N/A	28	N/A
11/03/20	Flow			kL/Day	Daily during discharge	4	35	166	83	463
15	Catchment 6 - Bagging North			11/03/20	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A
		11/03/20	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	<0.001	N/A
		11/03/20	Chromium (hexavalent)	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
		11/03/20	Nitrate	mg/L	Once per month during rain event	1	N/A	N/A	33.20	N/A
		11/03/20	Nitrite	mg/L	Once per month during rain event	1	N/A	N/A	0.09	N/A
		11/03/20	Nitrogen (total)	mg/L	Once per month during rain event	1	N/A	N/A	61.0	N/A
		11/03/20	pH	pH	Once per month during rain event	1	N/A	N/A	6.37	N/A
		11/03/20	Phosphate	mg/L	Once per month during rain event	1	N/A	N/A	0.64	N/A
		11/03/20	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	1	N/A	N/A	0.10	N/A
		11/03/20	Phosphorus (total)	mg/L	Once per month during rain event	1	N/A	N/A	0.21	N/A
		11/03/20	TKN	mg/L	Once per month during rain event	1	N/A	N/A	27.7	N/A
		11/03/20	TSS	mg/L	Once per month during rain event	1	N/A	N/A	21.0	N/A
		11/03/20	Flow	kL/Day	Daily during discharge	5	23	440	415	1229

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Monthly Summary: February 2020 (Monitoring Point 10-12)

Stormwater

Monitoring Point	Location of Monitoring Point	Date Published	Pollutant	Units of Measure	Monitoring Frequency Required by Licence	No. of Times measured during month	Min. Value	Mean Value	Median Value	Max. Value		
10	Catchment 1 - Ammonia Storage	11/03/20	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	19.00	N/A		
		11/03/20	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	0.004	N/A		
		11/03/20	Chromium (hexavalent)	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A		
		11/03/20	Nitrate	mg/L	Once per month during rain event	1	N/A	N/A	41.7	N/A		
		11/03/20	Nitrite	mg/L	Once per month during rain event	1	N/A	N/A	0.06	N/A		
		11/03/20	Nitrogen (total)	mg/L	Once per month during rain event	1	N/A	N/A	68.7	N/A		
		11/03/20	pH	pH	Once per month during rain event	1	N/A	N/A	7.19	N/A		
		11/03/20	Phosphate	mg/L	Once per month during rain event	1	N/A	N/A	1.86	N/A		
		11/03/20	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	1	N/A	N/A	0.14	N/A		
		11/03/20	Phosphorus (total)	mg/L	Once per month during rain event	1	N/A	N/A	0.61	N/A		
		11/03/20	TKN	mg/L	Once per month during rain event	1	N/A	N/A	26.9	N/A		
		11/03/20	TSS	mg/L	Once per month during rain event	1	N/A	N/A	80	N/A		
		11/03/20	Flow	kL/Day	Daily during discharge	13	1	118	35	740		
		11	Catchment 2 - Admin/NH3	11/03/20	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	2.79	N/A
				11/03/20	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	0.002	N/A
11/03/20	Chromium (hexavalent)			mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A		
11/03/20	Nitrate			mg/L	Once per month during rain event	1	N/A	N/A	8.02	N/A		
11/03/20	Nitrite			mg/L	Once per month during rain event	1	N/A	N/A	0.06	N/A		
11/03/20	Nitrogen (total)			mg/L	Once per month during rain event	1	N/A	N/A	13.6	N/A		
11/03/20	pH			pH	Once per month during rain event	1	N/A	N/A	7.00	N/A		
11/03/20	Phosphate			mg/L	Once per month during rain event	1	N/A	N/A	0.56	N/A		
11/03/20	Phosphorus (dissolved reactive)			mg/L	Once per month during rain event	1	N/A	N/A	0.10	N/A		
11/03/20	Phosphorus (total)			mg/L	Once per month during rain event	1	N/A	N/A	0.18	N/A		
11/03/20	TKN			mg/L	Once per month during rain event	1	N/A	N/A	5.5	N/A		
11/03/20	TSS			mg/L	Once per month during rain event	1	N/A	N/A	12	N/A		
11/03/20	Flow			kL/Day	Daily during discharge	7	13	177	54	738		
12	Catchment 3 - Ammonia			11/03/20	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	1.18	N/A
				11/03/20	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	0.008	N/A
		11/03/20	Chromium (hexavalent)	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A		
		11/03/20	Nitrate	mg/L	Once per month during rain event	1	N/A	N/A	3.79	N/A		
		11/03/20	Nitrite	mg/L	Once per month during rain event	1	N/A	N/A	0.03	N/A		
		11/03/20	Nitrogen (total)	mg/L	Once per month during rain event	1	N/A	N/A	6.2	N/A		
		11/03/20	pH	pH	Once per month during rain event	1	N/A	N/A	7.18	N/A		
		11/03/20	Phosphate	mg/L	Once per month during rain event	1	N/A	N/A	1.93	N/A		
		11/03/20	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	1	N/A	N/A	0.41	N/A		
		11/03/20	Phosphorus (total)	mg/L	Once per month during rain event	1	N/A	N/A	0.63	N/A		
		11/03/20	TKN	mg/L	Once per month during rain event	1	N/A	N/A	2.4	N/A		
		11/03/20	TSS	mg/L	Once per month during rain event	1	N/A	N/A	35	N/A		
		11/03/20	Flow	kL/Day	Daily during discharge	7	11	173	58	719		

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Monthly Summary: January 2020 (Monitoring Points 13 -15) Stormwater

Monitoring Point	Location of Monitoring Point	Date Published	Pollutant	Units of Measure	Monitoring Frequency Required by Licence	No. of Times measured during month	Min. Value	Mean Value	Median Value	Max. Value
13	Catchment 4 - Nitrates	14/02/20	Ammonia	mg/L	Once per month during rain event	0	N/A	N/A	195	N/A
		14/02/20	Arsenic	mg/L	Once per month during rain event	0	N/A	N/A	0	N/A
		14/02/20	Chromium (hexavalent)	mg/L	Once per month during rain event	0	N/A	N/A	<0.01	N/A
		14/02/20	Nitrate	mg/L	Once per month during rain event	0	N/A	N/A	219	N/A
		14/02/20	Nitrite	mg/L	Once per month during rain event	0	N/A	N/A	0.23	N/A
		14/02/20	Nitrogen (total)	mg/L	Once per month during rain event	0	N/A	N/A	457	N/A
		14/02/20	pH	pH	Once per month during rain event	0	N/A	N/A	6.72	N/A
		14/02/20	Phosphate	mg/L	Once per month during rain event	0	N/A	N/A	0.8	N/A
		14/02/20	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	0	N/A	N/A	0.26	N/A
		14/02/20	Phosphorus (total)	mg/L	Once per month during rain event	0	N/A	N/A	<0.05	N/A
		14/02/20	TKN	mg/L	Once per month during rain event	0	N/A	N/A	238	N/A
		14/02/20	TSS	mg/L	Once per month during rain event	0	N/A	N/A	35	N/A
		14/02/20	Flow	kL/Day	Daily during discharge	No discharge recorded at Catchment 4	0	0	0	0
		14	Catchment 5 - Bagging South	14/02/20	Ammonia	mg/L	Once per month during rain event	0	N/A	N/A
14/02/20	Arsenic			mg/L	Once per month during rain event	0	N/A	N/A	<0.001	N/A
14/02/20	Chromium (hexavalent)			mg/L	Once per month during rain event	0	N/A	N/A	<0.01	N/A
14/02/20	Nitrate			mg/L	Once per month during rain event	0	N/A	N/A	13.9	N/A
14/02/20	Nitrite			mg/L	Once per month during rain event	0	N/A	N/A	0.8	N/A
14/02/20	Nitrogen (total)			mg/L	Once per month during rain event	0	N/A	N/A	28.7	N/A
14/02/20	pH			pH	Once per month during rain event	0	N/A	N/A	7.44	N/A
14/02/20	Phosphate			mg/L	Once per month during rain event	0	N/A	N/A	0.30	N/A
14/02/20	Phosphorus (dissolved reactive)			mg/L	Once per month during rain event	0	N/A	N/A	0.02	N/A
14/02/20	Phosphorus (total)			mg/L	Once per month during rain event	0	N/A	N/A	0.10	N/A
14/02/20	TKN			mg/L	Once per month during rain event	0	N/A	N/A	14.0	N/A
14/02/20	TSS			mg/L	Once per month during rain event	0	N/A	N/A	<5	N/A
14/02/20	Flow			kL/Day	Daily during discharge	2	1	12	12	23
15	Catchment 6 - Bagging North			14/02/20	Ammonia	mg/L	Once per month during rain event	0	N/A	N/A
		14/02/20	Arsenic	mg/L	Once per month during rain event	0	N/A	N/A	<0.001	N/A
		14/02/20	Chromium (hexavalent)	mg/L	Once per month during rain event	0	N/A	N/A	<0.01	N/A
		14/02/20	Nitrate	mg/L	Once per month during rain event	0	N/A	N/A	23.50	N/A
		14/02/20	Nitrite	mg/L	Once per month during rain event	0	N/A	N/A	0.16	N/A
		14/02/20	Nitrogen (total)	mg/L	Once per month during rain event	0	N/A	N/A	33.5	N/A
		14/02/20	pH	pH	Once per month during rain event	0	N/A	N/A	7.51	N/A
		14/02/20	Phosphate	mg/L	Once per month during rain event	0	N/A	N/A	0.15	N/A
		14/02/20	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	0	N/A	N/A	<0.01	N/A
		14/02/20	Phosphorus (total)	mg/L	Once per month during rain event	0	N/A	N/A	0.05	N/A
		14/02/20	TKN	mg/L	Once per month during rain event	0	N/A	N/A	9.8	N/A
		14/02/20	TSS	mg/L	Once per month during rain event	0	N/A	N/A	9.0	N/A
		14/02/20	Flow	kL/Day	Daily during discharge	1	2	2	2	2

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Concentration Limit: See licence M2.3

Monthly Summary: January 2020 (Monitoring Point 10-12)

Stormwater

Monitoring Point	Location of Monitoring Point	Date Published	Pollutant	Units of Measure	Monitoring Frequency Required by Licence	No. of Times measured during month	Min. Value	Mean Value	Median Value	Max. Value
10	Catchment 1 - Ammonia Storage	14/02/20	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	24.80	N/A
		14/02/20	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	0.004	N/A
		14/02/20	Chromium (hexavalent)	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
		14/02/20	Nitrate	mg/L	Once per month during rain event	1	N/A	N/A	51.6	N/A
		14/02/20	Nitrite	mg/L	Once per month during rain event	1	N/A	N/A	0.10	N/A
		14/02/20	Nitrogen (total)	mg/L	Once per month during rain event	1	N/A	N/A	80.8	N/A
		14/02/20	pH	pH	Once per month during rain event	1	N/A	N/A	7.03	N/A
		14/02/20	Phosphate	mg/L	Once per month during rain event	1	N/A	N/A	1.71	N/A
		14/02/20	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	1	N/A	N/A	0.18	N/A
		14/02/20	Phosphorus (total)	mg/L	Once per month during rain event	1	N/A	N/A	0.56	N/A
		14/02/20	TKN	mg/L	Once per month during rain event	1	N/A	N/A	29.1	N/A
		14/02/20	TSS	mg/L	Once per month during rain event	1	N/A	N/A	62	N/A
		14/02/20	Flow	kL/Day	Daily during discharge	8	2	63	58	134
		11	Catchment 2 - Admin/NH3	14/02/20	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A
14/02/20	Arsenic			mg/L	Once per month during rain event	1	N/A	N/A	0.006	N/A
14/02/20	Chromium (hexavalent)			mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
14/02/20	Nitrate			mg/L	Once per month during rain event	1	N/A	N/A	24.3	N/A
14/02/20	Nitrite			mg/L	Once per month during rain event	1	N/A	N/A	0.21	N/A
14/02/20	Nitrogen (total)			mg/L	Once per month during rain event	1	N/A	N/A	35.6	N/A
14/02/20	pH			pH	Once per month during rain event	1	N/A	N/A	7.03	N/A
14/02/20	Phosphate			mg/L	Once per month during rain event	1	N/A	N/A	0.94	N/A
14/02/20	Phosphorus (dissolved reactive)			mg/L	Once per month during rain event	1	N/A	N/A	0.09	N/A
14/02/20	Phosphorus (total)			mg/L	Once per month during rain event	1	N/A	N/A	0.30	N/A
14/02/20	TKN			mg/L	Once per month during rain event	1	N/A	N/A	11.1	N/A
14/02/20	TSS			mg/L	Once per month during rain event	1	N/A	N/A	32	N/A
14/02/20	Flow			kL/Day	Daily during discharge	6	2	40	25	140
12	Catchment 3 - Ammonia			14/02/20	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A
		14/02/20	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	0.020	N/A
		14/02/20	Chromium (hexavalent)	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
		14/02/20	Nitrate	mg/L	Once per month during rain event	1	N/A	N/A	11.40	N/A
		14/02/20	Nitrite	mg/L	Once per month during rain event	1	N/A	N/A	0.09	N/A
		14/02/20	Nitrogen (total)	mg/L	Once per month during rain event	1	N/A	N/A	15.4	N/A
		14/02/20	pH	pH	Once per month during rain event	1	N/A	N/A	6.91	N/A
		14/02/20	Phosphate	mg/L	Once per month during rain event	1	N/A	N/A	1.50	N/A
		14/02/20	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	1	N/A	N/A	0.28	N/A
		14/02/20	Phosphorus (total)	mg/L	Once per month during rain event	1	N/A	N/A	0.49	N/A
		14/02/20	TKN	mg/L	Once per month during rain event	1	N/A	N/A	3.9	N/A
		14/02/20	TSS	mg/L	Once per month during rain event	1	N/A	N/A	68	N/A
		14/02/20	Flow	kL/Day	Daily during discharge	6	2	38	19	151

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Concentration Limit: See licence M2.3

Monthly Summary: December 2019 (Monitoring Points 13 -15) Stormwater

Monitoring Point	Location of Monitoring Point	Date Published	Pollutant	Units of Measure	Monitoring Frequency Required by Licence	No. of Times measured during month	Min. Value	Mean Value	Median Value	Max. Value		
13	Catchment 4 - Nitrates	10/01/20	Ammonia	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A		
		10/01/20	Arsenic	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A		
		10/01/20	Chromium (hexavalent)	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A		
		10/01/20	Nitrate	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A		
		10/01/20	Nitrite	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A		
		10/01/20	Nitrogen (total)	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A		
		10/01/20	pH	pH	Once per month during rain event	0	N/A	N/A	N/A	N/A		
		10/01/20	Phosphate	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A		
		10/01/20	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A		
		10/01/20	Phosphorus (total)	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A		
		10/01/20	TKN	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A		
		10/01/20	TSS	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A		
		10/01/20	Flow	kL/Day	Daily during discharge	No discharge recorded at Catchment 4	0	0	0	0		
		14	Catchment 5 - Bagging South	10/01/20	Ammonia	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A
				10/01/20	Arsenic	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A
10/01/20	Chromium (hexavalent)			mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A		
10/01/20	Nitrate			mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A		
10/01/20	Nitrite			mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A		
10/01/20	Nitrogen (total)			mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A		
10/01/20	pH			pH	Once per month during rain event	0	N/A	N/A	N/A	N/A		
10/01/20	Phosphate			mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A		
10/01/20	Phosphorus (dissolved reactive)			mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A		
10/01/20	Phosphorus (total)			mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A		
10/01/20	TKN			mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A		
10/01/20	TSS			mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A		
10/01/20	Flow			kL/Day	Daily during discharge	No discharge recorded at Catchment 5	0	0	0	0		
15	Catchment 6 - Bagging North			10/01/20	Ammonia	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A
				10/01/20	Arsenic	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A
		10/01/20	Chromium (hexavalent)	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A		
		10/01/20	Nitrate	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A		
		10/01/20	Nitrite	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A		
		10/01/20	Nitrogen (total)	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A		
		10/01/20	pH	pH	Once per month during rain event	0	N/A	N/A	N/A	N/A		
		10/01/20	Phosphate	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A		
		10/01/20	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A		
		10/01/20	Phosphorus (total)	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A		
		10/01/20	TKN	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A		
		10/01/20	TSS	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A		
		10/01/20	Flow	kL/Day	Daily during discharge	No discharge recorded at Catchment 6	0	0	0	0		

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Concentration Limit: See licence M2.3

Monthly Summary: December 2019 (Monitoring Point 10-12)

Stormwater

Monitoring Point	Location of Monitoring Point	Date Published	Pollutant	Units of Measure	Monitoring Frequency Required by Licence	No. of Times measured during month	Min. Value	Mean Value	Median Value	Max. Value
10	Catchment 1 - Ammonia Storage	10/01/20	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	32.70	N/A
		10/01/20	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	0.002	N/A
		10/01/20	Chromium (hexavalent)	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
		10/01/20	Nitrate	mg/L	Once per month during rain event	1	N/A	N/A	55.1	N/A
		10/01/20	Nitrite	mg/L	Once per month during rain event	1	N/A	N/A	0.10	N/A
		10/01/20	Nitrogen (total)	mg/L	Once per month during rain event	1	N/A	N/A	90.7	N/A
		10/01/20	pH	pH	Once per month during rain event	1	N/A	N/A	6.95	N/A
		10/01/20	Phosphate	mg/L	Once per month during rain event	1	N/A	N/A	1.29	N/A
		10/01/20	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	1	N/A	N/A	0.08	N/A
		10/01/20	Phosphorus (total)	mg/L	Once per month during rain event	1	N/A	N/A	0.42	N/A
		10/01/20	TKN	mg/L	Once per month during rain event	1	N/A	N/A	35.5	N/A
		10/01/20	TSS	mg/L	Once per month during rain event	1	N/A	N/A	64	N/A
		10/01/20	Flow	kL/Day	Daily during discharge	8	1	45	35	112
		11	Catchment 2 - Admin/NH3	10/01/20	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A
10/01/20	Arsenic			mg/L	Once per month during rain event	1	N/A	N/A	0.002	N/A
10/01/20	Chromium (hexavalent)			mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
10/01/20	Nitrate			mg/L	Once per month during rain event	1	N/A	N/A	19.8	N/A
10/01/20	Nitrite			mg/L	Once per month during rain event	1	N/A	N/A	0.15	N/A
10/01/20	Nitrogen (total)			mg/L	Once per month during rain event	1	N/A	N/A	30.2	N/A
10/01/20	pH			pH	Once per month during rain event	1	N/A	N/A	6.97	N/A
10/01/20	Phosphate			mg/L	Once per month during rain event	1	N/A	N/A	0.63	N/A
10/01/20	Phosphorus (dissolved reactive)			mg/L	Once per month during rain event	1	N/A	N/A	<0.05	N/A
10/01/20	Phosphorus (total)			mg/L	Once per month during rain event	1	N/A	N/A	0.20	N/A
10/01/20	TKN			mg/L	Once per month during rain event	1	N/A	N/A	10.3	N/A
10/01/20	TSS			mg/L	Once per month during rain event	1	N/A	N/A	31	N/A
10/01/20	Flow			kL/Day	Daily during discharge	1	18	18	18	18
12	Catchment 3 - Ammonia			10/01/20	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A
		10/01/20	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	0.010	N/A
		10/01/20	Chromium (hexavalent)	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
		10/01/20	Nitrate	mg/L	Once per month during rain event	1	N/A	N/A	14.40	N/A
		10/01/20	Nitrite	mg/L	Once per month during rain event	1	N/A	N/A	0.18	N/A
		10/01/20	Nitrogen (total)	mg/L	Once per month during rain event	1	N/A	N/A	23.5	N/A
		10/01/20	pH	pH	Once per month during rain event	1	N/A	N/A	6.90	N/A
		10/01/20	Phosphate	mg/L	Once per month during rain event	1	N/A	N/A	1.56	N/A
		10/01/20	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	1	N/A	N/A	0.09	N/A
		10/01/20	Phosphorus (total)	mg/L	Once per month during rain event	1	N/A	N/A	0.51	N/A
		10/01/20	TKN	mg/L	Once per month during rain event	1	N/A	N/A	8.9	N/A
		10/01/20	TSS	mg/L	Once per month during rain event	1	N/A	N/A	50	N/A
		10/01/20	Flow	kL/Day	Daily during discharge	No discharge recorded at Catchment 3	0	0	0	0

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Concentration Limit: See licence M2.3

Monthly Summary: November 2019 (Monitoring Points 13 -15) Stormwater

Monitoring Point	Location of Monitoring Point	Date Published	Pollutant	Units of Measure	Monitoring Frequency Required by Licence	No. of Times measured during month	Min. Value	Mean Value	Median Value	Max. Value		
13	Catchment 4 - Nitrates	12/12/19	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	195	N/A		
		12/12/19	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	0	N/A		
		12/12/19	Chromium (hexavalent)	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A		
		12/12/19	Nitrate	mg/L	Once per month during rain event	1	N/A	N/A	219	N/A		
		12/12/19	Nitrite	mg/L	Once per month during rain event	1	N/A	N/A	0	N/A		
		12/12/19	Nitrogen (total)	mg/L	Once per month during rain event	1	N/A	N/A	457	N/A		
		12/12/19	pH	pH	Once per month during rain event	1	N/A	N/A	7	N/A		
		12/12/19	Phosphate	mg/L	Once per month during rain event	1	N/A	N/A	1	N/A		
		12/12/19	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	1	N/A	N/A	0	N/A		
		12/12/19	Phosphorus (total)	mg/L	Once per month during rain event	1	N/A	N/A	<0.05	N/A		
		12/12/19	TKN	mg/L	Once per month during rain event	1	N/A	N/A	238	N/A		
		12/12/19	TSS	mg/L	Once per month during rain event	1	N/A	N/A	35	N/A		
		12/12/19	Flow	kL/Day	Daily during discharge	No discharge recorded at Catchment 4	0	0	0	0		
		14	Catchment 5 - Bagging South	12/12/19	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	199	N/A
				12/12/19	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	0	N/A
				12/12/19	Chromium (hexavalent)	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
12/12/19	Nitrate			mg/L	Once per month during rain event	1	N/A	N/A	225	N/A		
12/12/19	Nitrite			mg/L	Once per month during rain event	1	N/A	N/A	0	N/A		
12/12/19	Nitrogen (total)			mg/L	Once per month during rain event	1	N/A	N/A	450	N/A		
12/12/19	pH			pH	Once per month during rain event	1	N/A	N/A	5	N/A		
12/12/19	Phosphate			mg/L	Once per month during rain event	1	N/A	N/A	1	N/A		
12/12/19	Phosphorus (dissolved reactive)			mg/L	Once per month during rain event	1	N/A	N/A	0	N/A		
12/12/19	Phosphorus (total)			mg/L	Once per month during rain event	1	N/A	N/A	<0.05	N/A		
12/12/19	TKN			mg/L	Once per month during rain event	1	N/A	N/A	225	N/A		
12/12/19	TSS			mg/L	Once per month during rain event	1	N/A	N/A	127	N/A		
12/12/19	Flow	kL/Day	Daily during discharge	No discharge recorded at Catchment 5	0	0	0	0				
15	Catchment 6 - Bagging North	12/12/19	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	37.0	N/A		
		12/12/19	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	0	N/A		
		12/12/19	Chromium (hexavalent)	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A		
		12/12/19	Nitrate	mg/L	Once per month during rain event	1	N/A	N/A	44.6	N/A		
		12/12/19	Nitrite	mg/L	Once per month during rain event	1	N/A	N/A	<0.05	N/A		
		12/12/19	Nitrogen (total)	mg/L	Once per month during rain event	1	N/A	N/A	88	N/A		
		12/12/19	pH	pH	Once per month during rain event	1	N/A	N/A	6.42	N/A		
		12/12/19	Phosphate	mg/L	Once per month during rain event	1	N/A	N/A	2.3	N/A		
		12/12/19	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	1	N/A	N/A	0.06	N/A		
		12/12/19	Phosphorus (total)	mg/L	Once per month during rain event	1	N/A	N/A	0.75	N/A		
		12/12/19	TKN	mg/L	Once per month during rain event	1	N/A	N/A	43.1	N/A		
		12/12/19	TSS	mg/L	Once per month during rain event	1	N/A	N/A	129	N/A		
12/12/19	Flow	kL/Day	Daily during discharge		1	23	23	23	23			

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 Licensee Address: 15 Greenleaf Rd, KOORAGANG NSW 2304
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 Concentration Limit: See licence M2.3

Monthly Summary: November 2019 (Monitoring Point 10-12)

Stormwater

Monitoring Point	Location of Monitoring Point	Date Published	Pollutant	Units of Measure	Monitoring Frequency Required by Licence	No. of Times measured during month	Min. Value	Mean Value	Median Value	Max. Value		
10	Catchment 1 - Ammonia Storage	12/12/19	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	39.80	N/A		
		12/12/19	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	<0.001	N/A		
		12/12/19	Chromium (hexavalent)	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A		
		12/12/19	Nitrate	mg/L	Once per month during rain event	1	N/A	N/A	66.1	N/A		
		12/12/19	Nitrite	mg/L	Once per month during rain event	1	N/A	N/A	0.14	N/A		
		12/12/19	Nitrogen (total)	mg/L	Once per month during rain event	1	N/A	N/A	115.0	N/A		
		12/12/19	pH	pH	Once per month during rain event	1	N/A	N/A	6.56	N/A		
		12/12/19	Phosphate	mg/L	Once per month during rain event	1	N/A	N/A	1.90	N/A		
		12/12/19	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	1	N/A	N/A	0.62	N/A		
		12/12/19	Phosphorus (total)	mg/L	Once per month during rain event	1	N/A	N/A	0.16	N/A		
		12/12/19	TKN	mg/L	Once per month during rain event	1	N/A	N/A	48.8	N/A		
		12/12/19	TSS	mg/L	Once per month during rain event	1	N/A	N/A	65	N/A		
		12/12/19	Flow	kL/Day	Daily during discharge	3	30	100	71	198		
		12/12/19	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	11.80	N/A		
		12/12/19	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	<0.001	N/A		
		12/12/19	Chromium (hexavalent)	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A		
11	Catchment 2 - Admin/NH3	12/12/19	Nitrate	mg/L	Once per month during rain event	1	N/A	N/A	26.8	N/A		
		12/12/19	Nitrite	mg/L	Once per month during rain event	1	N/A	N/A	0.12	N/A		
		12/12/19	Nitrogen (total)	mg/L	Once per month during rain event	1	N/A	N/A	45.4	N/A		
		12/12/19	pH	pH	Once per month during rain event	1	N/A	N/A	6.60	N/A		
		12/12/19	Phosphate	mg/L	Once per month during rain event	1	N/A	N/A	0.84	N/A		
		12/12/19	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	1	N/A	N/A	0.28	N/A		
		12/12/19	Phosphorus (total)	mg/L	Once per month during rain event	1	N/A	N/A	<0.05	N/A		
		12/12/19	TKN	mg/L	Once per month during rain event	1	N/A	N/A	18.5	N/A		
		12/12/19	TSS	mg/L	Once per month during rain event	1	N/A	N/A	27	N/A		
		12/12/19	Flow	kL/Day	Daily during discharge	3	13	105	78	225		
		12	Catchment 3 - Ammonia	12/12/19	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	9.00	N/A
				12/12/19	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	0.003	N/A
				12/12/19	Chromium (hexavalent)	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
				12/12/19	Nitrate	mg/L	Once per month during rain event	1	N/A	N/A	13.40	N/A
				12/12/19	Nitrite	mg/L	Once per month during rain event	1	N/A	N/A	0.11	N/A
				12/12/19	Nitrogen (total)	mg/L	Once per month during rain event	1	N/A	N/A	26.5	N/A
12/12/19	pH			pH	Once per month during rain event	1	N/A	N/A	6.60	N/A		
12/12/19	Phosphate			mg/L	Once per month during rain event	1	N/A	N/A	2.53	N/A		
12/12/19	Phosphorus (dissolved reactive)			mg/L	Once per month during rain event	1	N/A	N/A	0.82	N/A		
12/12/19	Phosphorus (total)			mg/L	Once per month during rain event	1	N/A	N/A	0.21	N/A		
12/12/19	TKN			mg/L	Once per month during rain event	1	N/A	N/A	13.0	N/A		
12/12/19	TSS			mg/L	Once per month during rain event	1	N/A	N/A	73	N/A		
12/12/19	Flow			kL/Day	Daily during discharge	2	25	94	94	164		

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Concentration Limit: See licence M2.3

Monthly Summary: October 2019 (Monitoring Points 13 -15) Stormwater

Monitoring Point	Location of Monitoring Point	Date Published	Pollutant	Units of Measure	Monitoring Frequency Required by Licence	No. of Times measured during month	Min. Value	Mean Value	Median Value	Max. Value	
13	Catchment 4 - Nitrates	4/11/19	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	58	N/A	
		4/11/19	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	0	N/A	
		4/11/19	Chromium (hexavalent)	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A	
		4/11/19	Nitrate	mg/L	Once per month during rain event	1	N/A	N/A	66	N/A	
		4/11/19	Nitrite	mg/L	Once per month during rain event	1	N/A	N/A	0	N/A	
		4/11/19	Nitrogen (total)	mg/L	Once per month during rain event	1	N/A	N/A	130	N/A	
		4/11/19	pH	pH	Once per month during rain event	1	N/A	N/A	7	N/A	
		4/11/19	Phosphate	mg/L	Once per month during rain event	1	N/A	N/A	1	N/A	
		4/11/19	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	1	N/A	N/A	0	N/A	
		4/11/19	Phosphorus (total)	mg/L	Once per month during rain event	1	N/A	N/A	0	N/A	
		4/11/19	TKN	mg/L	Once per month during rain event	1	N/A	N/A	64	N/A	
		4/11/19	TSS	mg/L	Once per month during rain event	1	N/A	N/A	56	N/A	
		4/11/19	Flow	kL/Day	Daily during discharge	1	112	112	112	112	
		14	Catchment 5 - Bagging South	4/11/19	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	45
4/11/19	Arsenic			mg/L	Once per month during rain event	1	N/A	N/A	0	N/A	
4/11/19	Chromium (hexavalent)			mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A	
4/11/19	Nitrate			mg/L	Once per month during rain event	1	N/A	N/A	53	N/A	
4/11/19	Nitrite			mg/L	Once per month during rain event	1	N/A	N/A	0	N/A	
4/11/19	Nitrogen (total)			mg/L	Once per month during rain event	1	N/A	N/A	100	N/A	
4/11/19	pH			pH	Once per month during rain event	1	N/A	N/A	6	N/A	
4/11/19	Phosphate			mg/L	Once per month during rain event	1	N/A	N/A	1	N/A	
4/11/19	Phosphorus (dissolved reactive)			mg/L	Once per month during rain event	1	N/A	N/A	0	N/A	
4/11/19	Phosphorus (total)			mg/L	Once per month during rain event	1	N/A	N/A	0	N/A	
4/11/19	TKN			mg/L	Once per month during rain event	1	N/A	N/A	46	N/A	
4/11/19	TSS			mg/L	Once per month during rain event	1	N/A	N/A	44	N/A	
4/11/19	Flow			kL/Day	Daily during discharge	No discharge recorded at Catchment 5		0	0	0	0
15	Catchment 6 - Bagging North			4/11/19	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	17.8
		4/11/19	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	<0.001	N/A	
		4/11/19	Chromium (hexavalent)	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A	
		4/11/19	Nitrate	mg/L	Once per month during rain event	1	N/A	N/A	29.1	N/A	
		4/11/19	Nitrite	mg/L	Once per month during rain event	1	N/A	N/A	0.30	N/A	
		4/11/19	Nitrogen (total)	mg/L	Once per month during rain event	1	N/A	N/A	48	N/A	
		4/11/19	pH	pH	Once per month during rain event	1	N/A	N/A	6.89	N/A	
		4/11/19	Phosphate	mg/L	Once per month during rain event	1	N/A	N/A	1.3	N/A	
		4/11/19	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	1	N/A	N/A	0.31	N/A	
		4/11/19	Phosphorus (total)	mg/L	Once per month during rain event	1	N/A	N/A	0.44	N/A	
		4/11/19	TKN	mg/L	Once per month during rain event	1	N/A	N/A	18.3	N/A	
		4/11/19	TSS	mg/L	Once per month during rain event	1	N/A	N/A	34	N/A	
		4/11/19	Flow	kL/Day	Daily during discharge	No discharge recorded at Catchment 6		56	56	56	56

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Concentration Limit: See licence M2.3

Monthly Summary: October 2019 (Monitoring Point 10-12)

Stormwater

Monitoring Point	Location of Monitoring Point	Date Published	Pollutant	Units of Measure	Monitoring Frequency Required by Licence	No. of Times measured during month	Min. Value	Mean Value	Median Value	Max. Value		
10	Catchment 1 - Ammonia Storage	4/11/19	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	27.50	N/A		
		4/11/19	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	0.002	N/A		
		4/11/19	Chromium (hexavalent)	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A		
		4/11/19	Nitrate	mg/L	Once per month during rain event	1	N/A	N/A	39.0	N/A		
		4/11/19	Nitrite	mg/L	Once per month during rain event	1	N/A	N/A	0.09	N/A		
		4/11/19	Nitrogen (total)	mg/L	Once per month during rain event	1	N/A	N/A	67.7	N/A		
		4/11/19	pH	pH	Once per month during rain event	1	N/A	N/A	6.84	N/A		
		4/11/19	Phosphate	mg/L	Once per month during rain event	1	N/A	N/A	1.38	N/A		
		4/11/19	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	1	N/A	N/A	0.13	N/A		
		4/11/19	Phosphorus (total)	mg/L	Once per month during rain event	1	N/A	N/A	0.45	N/A		
		4/11/19	TKN	mg/L	Once per month during rain event	1	N/A	N/A	28.6	N/A		
		4/11/19	TSS	mg/L	Once per month during rain event	1	N/A	N/A	6	N/A		
		4/11/19	Flow	kL/Day	Daily during discharge	8	1	32	3	168		
		4/11/19	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	7.25	N/A		
11	Catchment 2 - Admin/NH3	4/11/19	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	0.003	N/A		
		4/11/19	Chromium (hexavalent)	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A		
		4/11/19	Nitrate	mg/L	Once per month during rain event	1	N/A	N/A	13.7	N/A		
		4/11/19	Nitrite	mg/L	Once per month during rain event	1	N/A	N/A	0.11	N/A		
		4/11/19	Nitrogen (total)	mg/L	Once per month during rain event	1	N/A	N/A	22.9	N/A		
		4/11/19	pH	pH	Once per month during rain event	1	N/A	N/A	6.70	N/A		
		4/11/19	Phosphate	mg/L	Once per month during rain event	1	N/A	N/A	1.25	N/A		
		4/11/19	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	1	N/A	N/A	0.05	N/A		
		4/11/19	Phosphorus (total)	mg/L	Once per month during rain event	1	N/A	N/A	0.41	N/A		
		4/11/19	TKN	mg/L	Once per month during rain event	1	N/A	N/A	9.1	N/A		
		4/11/19	TSS	mg/L	Once per month during rain event	1	N/A	N/A	44	N/A		
		4/11/19	Flow	kL/Day	Daily during discharge	3	25	70	48	138		
		12	Catchment 3 - Ammonia	4/11/19	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	5.53	N/A
				4/11/19	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	0.008	N/A
4/11/19	Chromium (hexavalent)			mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A		
4/11/19	Nitrate			mg/L	Once per month during rain event	1	N/A	N/A	11.10	N/A		
4/11/19	Nitrite			mg/L	Once per month during rain event	1	N/A	N/A	0.23	N/A		
4/11/19	Nitrogen (total)			mg/L	Once per month during rain event	1	N/A	N/A	18.7	N/A		
4/11/19	pH			pH	Once per month during rain event	1	N/A	N/A	6.76	N/A		
4/11/19	Phosphate			mg/L	Once per month during rain event	1	N/A	N/A	2.53	N/A		
4/11/19	Phosphorus (dissolved reactive)			mg/L	Once per month during rain event	1	N/A	N/A	0.21	N/A		
4/11/19	Phosphorus (total)			mg/L	Once per month during rain event	1	N/A	N/A	0.82	N/A		
4/11/19	TKN			mg/L	Once per month during rain event	1	N/A	N/A	7.4	N/A		
4/11/19	TSS			mg/L	Once per month during rain event	1	N/A	N/A	42	N/A		
4/11/19	Flow			kL/Day	Daily during discharge	2	36	53	53	69		

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Concentration Limit: See licence M2.3

Monthly Summary: September 2019 (Monitoring Points 13 -15) Stormwater

Monitoring Point	Location of Monitoring Point	Date Published	Pollutant	Units of Measure	Monitoring Frequency Required by Licence	No. of Times measured during month	Min. Value	Mean Value	Median Value	Max. Value		
13	Catchment 4 - Nitrates	18/10/19	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	53	N/A		
		18/10/19	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	0	N/A		
		18/10/19	Chromium (hexavalent)	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A		
		18/10/19	Nitrate	mg/L	Once per month during rain event	1	N/A	N/A	53	N/A		
		18/10/19	Nitrite	mg/L	Once per month during rain event	1	N/A	N/A	0	N/A		
		18/10/19	Nitrogen (total)	mg/L	Once per month during rain event	1	N/A	N/A	98	N/A		
		18/10/19	pH	pH	Once per month during rain event	1	N/A	N/A	7	N/A		
		18/10/19	Phosphate	mg/L	Once per month during rain event	1	N/A	N/A	3	N/A		
		18/10/19	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A		
		18/10/19	Phosphorus (total)	mg/L	Once per month during rain event	1	N/A	N/A	0	N/A		
		18/10/19	TKN	mg/L	Once per month during rain event	1	N/A	N/A	45	N/A		
		18/10/19	TSS	mg/L	Once per month during rain event	1	N/A	N/A	62	N/A		
		18/10/19	Flow	kL/Day	Daily during discharge	2	8	227	227	445		
		14	Catchment 5 - Bagging South	18/10/19	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	9	N/A
				18/10/19	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	<0.001	N/A
				18/10/19	Chromium (hexavalent)	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
18/10/19	Nitrate			mg/L	Once per month during rain event	1	N/A	N/A	10	N/A		
18/10/19	Nitrite			mg/L	Once per month during rain event	1	N/A	N/A	0	N/A		
18/10/19	Nitrogen (total)			mg/L	Once per month during rain event	1	N/A	N/A	19	N/A		
18/10/19	pH			pH	Once per month during rain event	1	N/A	N/A	5	N/A		
18/10/19	Phosphate			mg/L	Once per month during rain event	1	N/A	N/A	1	N/A		
18/10/19	Phosphorus (dissolved reactive)			mg/L	Once per month during rain event	1	N/A	N/A	0	N/A		
18/10/19	Phosphorus (total)			mg/L	Once per month during rain event	1	N/A	N/A	0	N/A		
18/10/19	TKN			mg/L	Once per month during rain event	1	N/A	N/A	9	N/A		
18/10/19	TSS			mg/L	Once per month during rain event	1	N/A	N/A	64	N/A		
18/10/19	Flow			kL/Day	Daily during discharge	0	0	0	0	0		
15	Catchment 6 - Bagging North			18/10/19	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	45.4	N/A
				18/10/19	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	<0.001	N/A
				18/10/19	Chromium (hexavalent)	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
		18/10/19	Nitrate	mg/L	Once per month during rain event	1	N/A	N/A	46.4	N/A		
		18/10/19	Nitrite	mg/L	Once per month during rain event	1	N/A	N/A	0.03	N/A		
		18/10/19	Nitrogen (total)	mg/L	Once per month during rain event	1	N/A	N/A	88	N/A		
		18/10/19	pH	pH	Once per month during rain event	1	N/A	N/A	6.54	N/A		
		18/10/19	Phosphate	mg/L	Once per month during rain event	1	N/A	N/A	1.9	N/A		
		18/10/19	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A		
		18/10/19	Phosphorus (total)	mg/L	Once per month during rain event	1	N/A	N/A	0.62	N/A		
		18/10/19	TKN	mg/L	Once per month during rain event	1	N/A	N/A	41.6	N/A		
		18/10/19	TSS	mg/L	Once per month during rain event	1	N/A	N/A	17	N/A		
		18/10/19	Flow	kL/Day	Daily during discharge	1	56	56	56	56		

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 Licensee Address: 15 Greenleaf Rd, KOORAGANG NSW 2304
 Location of Monitoring Points: http://www.orica.com/images/UserUploadedImages/495/2013_Orica-KI_monitoring_locations.jpg
 Concentration Limit: See licence M2.3

Monthly Summary: September 2019 (Monitoring Point 10-12)

Stormwater

Monitoring Point	Location of Monitoring Point	Date Published	Pollutant	Units of Measure	Monitoring Frequency Required by Licence	No. of Times measured during month	Min. Value	Mean Value	Median Value	Max. Value		
10	Catchment 1 - Ammonia Storage	18/10/19	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	4.20	N/A		
		18/10/19	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	0.001	N/A		
		18/10/19	Chromium (hexavalent)	mg/L	Once per month during rain event	1	N/A	N/A	0	N/A		
		18/10/19	Nitrate	mg/L	Once per month during rain event	1	N/A	N/A	8.0	N/A		
		18/10/19	Nitrite	mg/L	Once per month during rain event	1	N/A	N/A	0.18	N/A		
		18/10/19	Nitrogen (total)	mg/L	Once per month during rain event	1	N/A	N/A	13.3	N/A		
		18/10/19	pH	pH	Once per month during rain event	1	N/A	N/A	7.44	N/A		
		18/10/19	Phosphate	mg/L	Once per month during rain event	1	N/A	N/A	0.49	N/A		
		18/10/19	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	1	N/A	N/A	0.07	N/A		
		18/10/19	Phosphorus (total)	mg/L	Once per month during rain event	1	N/A	N/A	0.16	N/A		
		18/10/19	TKN	mg/L	Once per month during rain event	1	N/A	N/A	5.1	N/A		
		18/10/19	TSS	mg/L	Once per month during rain event	1	N/A	N/A	10	N/A		
		18/10/19	Flow	kL/Day	Daily during discharge	9	2	54	7	354		
		11	Catchment 2 - Admin/NH3	18/10/19	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	14.70	N/A
				18/10/19	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	0.002	N/A
				18/10/19	Chromium (hexavalent)	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
18/10/19	Nitrate			mg/L	Once per month during rain event	1	N/A	N/A	20.7	N/A		
18/10/19	Nitrite			mg/L	Once per month during rain event	1	N/A	N/A	0.10	N/A		
18/10/19	Nitrogen (total)			mg/L	Once per month during rain event	1	N/A	N/A	38.0	N/A		
18/10/19	pH			pH	Once per month during rain event	1	N/A	N/A	7.23	N/A		
18/10/19	Phosphate			mg/L	Once per month during rain event	1	N/A	N/A	0.50	N/A		
18/10/19	Phosphorus (dissolved reactive)			mg/L	Once per month during rain event	1	N/A	N/A	0.02	N/A		
18/10/19	Phosphorus (total)			mg/L	Once per month during rain event	1	N/A	N/A	0.16	N/A		
18/10/19	TKN			mg/L	Once per month during rain event	1	N/A	N/A	17.2	N/A		
18/10/19	TSS			mg/L	Once per month during rain event	1	N/A	N/A	20	N/A		
18/10/19	Flow			kL/Day	Daily during discharge	5	1	78	4	317		
12	Catchment 3 - Ammonia			18/10/19	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	12.60	N/A
				18/10/19	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	0.006	N/A
				18/10/19	Chromium (hexavalent)	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
		18/10/19	Nitrate	mg/L	Once per month during rain event	1	N/A	N/A	11.70	N/A		
		18/10/19	Nitrite	mg/L	Once per month during rain event	1	N/A	N/A	0.14	N/A		
		18/10/19	Nitrogen (total)	mg/L	Once per month during rain event	1	N/A	N/A	25.0	N/A		
		18/10/19	pH	pH	Once per month during rain event	1	N/A	N/A	7.59	N/A		
		18/10/19	Phosphate	mg/L	Once per month during rain event	1	N/A	N/A	1.35	N/A		
		18/10/19	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	1	N/A	N/A	0.14	N/A		
		18/10/19	Phosphorus (total)	mg/L	Once per month during rain event	1	N/A	N/A	0.44	N/A		
		18/10/19	TKN	mg/L	Once per month during rain event	1	N/A	N/A	13.2	N/A		
		18/10/19	TSS	mg/L	Once per month during rain event	1	N/A	N/A	37	N/A		
		18/10/19	Flow	kL/Day	Daily during discharge	4	1	98	33	325		

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Licensee Address:	15 Greenleaf Rd, KOORAGANG NSW 2304
Location of Monitoring Points:	http://www.orica.com/images/UserUploadedImages/495/2013_Orica-KI_monitoring_locations.jpg
Concentration Limit:	See licence M2.3
Monthly Summary: August 2019 (Monitoring Points 13 -15)	Stormwater

Monitoring Point	Location of Monitoring Point	Date Published	Pollutant	Units of Measure	Monitoring Frequency Required by Licence	No. of Times measured during month	Min. Value	Mean Value	Median Value	Max. Value		
13	Catchment 4 - Nitrates	10/09/19	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	59	N/A		
		10/09/19	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	0	N/A		
		10/09/19	Chromium (hexavalent)	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A		
		10/09/19	Nitrate	mg/L	Once per month during rain event	1	N/A	N/A	65	N/A		
		10/09/19	Nitrite	mg/L	Once per month during rain event	1	N/A	N/A	0	N/A		
		10/09/19	Nitrogen (total)	mg/L	Once per month during rain event	1	N/A	N/A	124	N/A		
		10/09/19	pH	pH	Once per month during rain event	1	N/A	N/A	7	N/A		
		10/09/19	Phosphate	mg/L	Once per month during rain event	1	N/A	N/A	2	N/A		
		10/09/19	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	1	N/A	N/A	0	N/A		
		10/09/19	Phosphorus (total)	mg/L	Once per month during rain event	1	N/A	N/A	1	N/A		
		10/09/19	TKN	mg/L	Once per month during rain event	1	N/A	N/A	59	N/A		
		10/09/19	TSS	mg/L	Once per month during rain event	1	N/A	N/A	14	N/A		
		10/09/19	Flow	kL/Day	Daily during discharge	3	44	290	176	653		
		14	Catchment 5 - Bagging South	10/09/19	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	40	N/A
				10/09/19	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	0	N/A
10/09/19	Chromium (hexavalent)			mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A		
10/09/19	Nitrate			mg/L	Once per month during rain event	1	N/A	N/A	46	N/A		
10/09/19	Nitrite			mg/L	Once per month during rain event	1	N/A	N/A	0	N/A		
10/09/19	Nitrogen (total)			mg/L	Once per month during rain event	1	N/A	N/A	86	N/A		
10/09/19	pH			pH	Once per month during rain event	1	N/A	N/A	6	N/A		
10/09/19	Phosphate			mg/L	Once per month during rain event	1	N/A	N/A	1	N/A		
10/09/19	Phosphorus (dissolved reactive)			mg/L	Once per month during rain event	1	N/A	N/A	0	N/A		
10/09/19	Phosphorus (total)			mg/L	Once per month during rain event	1	N/A	N/A	0	N/A		
10/09/19	TKN			mg/L	Once per month during rain event	1	N/A	N/A	39	N/A		
10/09/19	TSS			mg/L	Once per month during rain event	1	N/A	N/A	29	N/A		
10/09/19	Flow			kL/Day	Daily during discharge	2	77	196	196	314		
15	Catchment 6 - Bagging North			10/09/19	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	4.8	N/A
				10/09/19	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	<0.001	N/A
		10/09/19	Chromium (hexavalent)	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A		
		10/09/19	Nitrate	mg/L	Once per month during rain event	1	N/A	N/A	9.1	N/A		
		10/09/19	Nitrite	mg/L	Once per month during rain event	1	N/A	N/A	0.10	N/A		
		10/09/19	Nitrogen (total)	mg/L	Once per month during rain event	1	N/A	N/A	14	N/A		
		10/09/19	pH	pH	Once per month during rain event	1	N/A	N/A	6.86	N/A		
		10/09/19	Phosphate	mg/L	Once per month during rain event	1	N/A	N/A	0.8	N/A		
		10/09/19	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	1	N/A	N/A	0.05	N/A		
		10/09/19	Phosphorus (total)	mg/L	Once per month during rain event	1	N/A	N/A	0.26	N/A		
		10/09/19	TKN	mg/L	Once per month during rain event	1	N/A	N/A	4.7	N/A		
		10/09/19	TSS	mg/L	Once per month during rain event	1	N/A	N/A	29	N/A		
		10/09/19	Flow	kL/Day	Daily during discharge	2	43	57	57	72		

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Location of Monitoring Points: http://www.orica.com/images/UserUploadedImages/495/2013_Orica-KJ_monitoring_locations.jpg

Concentration Limit: See licence M2.3

Monthly Summary: August 2019 (Monitoring Point 10 -12) Stormwater

Monitoring Point	Location of Monitoring Point	Date Published	Pollutant	Units of Measure	Monitoring Frequency Required by Licence	No. of Times measured during month	Min. Value	Mean Value	Median Value	Max. Value		
10	Catchment 1 - Ammonia Storage	10/09/19	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	3.40	N/A		
		10/09/19	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	0.002	N/A		
		10/09/19	Chromium (hexavalent)	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A		
		10/09/19	Nitrate	mg/L	Once per month during rain event	1	N/A	N/A	9.2	N/A		
		10/09/19	Nitrite	mg/L	Once per month during rain event	1	N/A	N/A	0.12	N/A		
		10/09/19	Nitrogen (total)	mg/L	Once per month during rain event	1	N/A	N/A	13.5	N/A		
		10/09/19	pH	pH	Once per month during rain event	1	N/A	N/A	7.00	N/A		
		10/09/19	Phosphate	mg/L	Once per month during rain event	1	N/A	N/A	0.95	N/A		
		10/09/19	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	1	N/A	N/A	0.10	N/A		
		10/09/19	Phosphorus (total)	mg/L	Once per month during rain event	1	N/A	N/A	0.31	N/A		
		10/09/19	TKN	mg/L	Once per month during rain event	1	N/A	N/A	4.2	N/A		
		10/09/19	TSS	mg/L	Once per month during rain event	1	N/A	N/A	33	N/A		
		10/09/19	Flow	kL/Day	Daily during discharge	16	2	66	24	536		
		11	Catchment 2 - Admin/NH3	10/09/19	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	18.50	N/A
				10/09/19	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	0.004	N/A
10/09/19	Chromium (hexavalent)			mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A		
10/09/19	Nitrate			mg/L	Once per month during rain event	1	N/A	N/A	23.8	N/A		
10/09/19	Nitrite			mg/L	Once per month during rain event	1	N/A	N/A	0.35	N/A		
10/09/19	Nitrogen (total)			mg/L	Once per month during rain event	1	N/A	N/A	42.9	N/A		
10/09/19	pH			pH	Once per month during rain event	1	N/A	N/A	7.01	N/A		
10/09/19	Phosphate			mg/L	Once per month during rain event	1	N/A	N/A	1.26	N/A		
10/09/19	Phosphorus (dissolved reactive)			mg/L	Once per month during rain event	1	N/A	N/A	0.11	N/A		
10/09/19	Phosphorus (total)			mg/L	Once per month during rain event	1	N/A	N/A	0.41	N/A		
10/09/19	TKN			mg/L	Once per month during rain event	1	N/A	N/A	18.8	N/A		
10/09/19	TSS			mg/L	Once per month during rain event	1	N/A	N/A	46	N/A		
10/09/19	Flow			kL/Day	Daily during discharge	4	17	167	84	483		
12	Catchment 3 - Ammonia			10/09/19	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	13.20	N/A
				10/09/19	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	0.014	N/A
		10/09/19	Chromium (hexavalent)	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A		
		10/09/19	Nitrate	mg/L	Once per month during rain event	1	N/A	N/A	16.70	N/A		
		10/09/19	Nitrite	mg/L	Once per month during rain event	1	N/A	N/A	0.12	N/A		
		10/09/19	Nitrogen (total)	mg/L	Once per month during rain event	1	N/A	N/A	28.2	N/A		
		10/09/19	pH	pH	Once per month during rain event	1	N/A	N/A	7.04	N/A		
		10/09/19	Phosphate	mg/L	Once per month during rain event	1	N/A	N/A	6.44	N/A		
		10/09/19	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	1	N/A	N/A	0.18	N/A		
		10/09/19	Phosphorus (total)	mg/L	Once per month during rain event	1	N/A	N/A	2.10	N/A		
		10/09/19	TKN	mg/L	Once per month during rain event	1	N/A	N/A	11.4	N/A		
		10/09/19	TSS	mg/L	Once per month during rain event	1	N/A	N/A	143	N/A		
		10/09/19	Flow	kL/Day	Daily during discharge	17	1	74	31	473		

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 Concentration Limit: See licence M2.3

Monthly Summary: July 2019 (Monitoring Points 13 -15)

Monitoring Point	Location of Monitoring Point	Date Published	Pollutant	Units of Measure	Monitoring Frequency Required by Licence	No. of Times measured during month	Min. Value	Mean Value	Median Value	Max. Value		
13	Catchment 4 - Nitrates	12/08/19	Ammonia	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A		
		12/08/19	Arsenic	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A		
		12/08/19	Chromium (hexavalent)	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A		
		12/08/19	Nitrate	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A		
		12/08/19	Nitrite	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A		
		12/08/19	Nitrogen (total)	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A		
		12/08/19	pH	pH	Once per month during rain event	0	N/A	N/A	N/A	N/A		
		12/08/19	Phosphate	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A		
		12/08/19	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A		
		12/08/19	Phosphorus (total)	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A		
		12/08/19	TKN	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A		
		12/08/19	TSS	mg/L	Once per month during rain event	No Discharge recorded at Catchment 4	N/A	N/A	N/A	N/A		
		12/08/19	Flow	kL/Day	Daily during discharge	0	N/A	N/A	N/A	N/A		
		14	Catchment 5 - Bagging South	12/08/19	Ammonia	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A
				12/08/19	Arsenic	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A
				12/08/19	Chromium (hexavalent)	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A
12/08/19	Nitrate			mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A		
12/08/19	Nitrite			mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A		
12/08/19	Nitrogen (total)			mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A		
12/08/19	pH			pH	Once per month during rain event	0	N/A	N/A	N/A	N/A		
12/08/19	Phosphate			mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A		
12/08/19	Phosphorus (dissolved reactive)			mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A		
12/08/19	Phosphorus (total)			mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A		
12/08/19	TKN			mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A		
12/08/19	TSS			mg/L	Once per month during rain event	No Discharge recorded at Catchment 5	N/A	N/A	N/A	N/A		
12/08/19	Flow			kL/Day	Daily during discharge	0	N/A	N/A	N/A	N/A		
15	Catchment 6 - Bagging North			12/08/19	Ammonia	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A
				12/08/19	Arsenic	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A
				12/08/19	Chromium (hexavalent)	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A
		12/08/19	Nitrate	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A		
		12/08/19	Nitrite	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A		
		12/08/19	Nitrogen (total)	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A		
		12/08/19	pH	pH	Once per month during rain event	0	N/A	N/A	N/A	N/A		
		12/08/19	Phosphate	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A		
		12/08/19	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A		
		12/08/19	Phosphorus (total)	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A		
		12/08/19	TKN	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A		
		12/08/19	TSS	mg/L	Once per month during rain event	No Discharge recorded at Catchment 6	N/A	N/A	N/A	N/A		
		12/08/19	Flow	kL/Day	Daily during discharge	0	N/A	N/A	N/A	N/A		

Details of Licence Conditions

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Licensee Name:

ORICA AUSTRALIA PTY LTD

Licensee Address:

15 Greenleaf Rd, KOORAGANG NSW 2304

Location of Monitoring Points:

http://www.orica.com/images/UserUploadedImages/495/2013_Orica-KI_monitoring_locations.jpg

Concentration Limit:

See licence M2.3

Monthly Summary: July 2019 (Monitoring Point 10 -12)

Monitoring Point	Location of Monitoring Point	Date Published	Pollutant	Units of Measure	Monitoring Frequency Required by Licence	No. of Times measured during month	Min. Value	Mean Value	Median Value	Max. Value
10	Catchment 1 - Ammonia Storage	12/08/2019	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	16.20	N/A
		12/08/2019	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	0.003	N/A
		12/08/2019	Chromium (hexavalent)	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
		12/08/2019	Nitrate	mg/L	Once per month during rain event	1	N/A	N/A	24.1	N/A
		12/08/2019	Nitrite	mg/L	Once per month during rain event	1	N/A	N/A	0.49	N/A
		12/08/2019	Nitrogen (total)	mg/L	Once per month during rain event	1	N/A	N/A	40.7	N/A
		12/08/2019	pH	pH	Once per month during rain event	1	N/A	N/A	6.83	N/A
		12/08/2019	Phosphate	mg/L	Once per month during rain event	1	N/A	N/A	5.84	N/A
		12/08/2019	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	1	N/A	N/A	<0.05	N/A
		12/08/2019	Phosphorus (total)	mg/L	Once per month during rain event	1	N/A	N/A	1.90	N/A
		12/08/2019	TKN	mg/L	Once per month during rain event	1	N/A	N/A	16.1	N/A
		12/08/2019	TSS	mg/L	Once per month during rain event	1	N/A	N/A	90	N/A
		12/08/2019	Flow	kL/Day	Daily during discharge	9	1	13	6	45
		12/08/2019	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	4.78	N/A
11	Catchment 2 - Admin/NH3	12/08/2019	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	0.007	N/A
		12/08/2019	Chromium (hexavalent)	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
		12/08/2019	Nitrate	mg/L	Once per month during rain event	1	N/A	N/A	9.26	N/A
		12/08/2019	Nitrite	mg/L	Once per month during rain event	1	N/A	N/A	0.10	N/A
		12/08/2019	Nitrogen (total)	mg/L	Once per month during rain event	1	N/A	N/A	14.6	N/A
		12/08/2019	pH	pH	Once per month during rain event	1	N/A	N/A	7.05	N/A
		12/08/2019	Phosphate	mg/L	Once per month during rain event	1	N/A	N/A	2.76	N/A
		12/08/2019	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	1	N/A	N/A	<0.05	N/A
		12/08/2019	Phosphorus (total)	mg/L	Once per month during rain event	1	N/A	N/A	0.90	N/A
		12/08/2019	TKN	mg/L	Once per month during rain event	1	N/A	N/A	4.6	N/A
		12/08/2019	TSS	mg/L	Once per month during rain event	1	N/A	N/A	108	N/A
		12/08/2019	Flow	kL/Day	Daily during discharge	3	17	24	23	32
		12/08/2019	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	8.36	N/A
		12/08/2019	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	0.009	N/A
12	Catchment 3 - Ammonia	12/08/2019	Chromium (hexavalent)	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
		12/08/2019	Nitrate	mg/L	Once per month during rain event	1	N/A	N/A	8.75	N/A
		12/08/2019	Nitrite	mg/L	Once per month during rain event	1	N/A	N/A	0.16	N/A
		12/08/2019	Nitrogen (total)	mg/L	Once per month during rain event	1	N/A	N/A	18.5	N/A
		12/08/2019	pH	pH	Once per month during rain event	1	N/A	N/A	7.00	N/A
		12/08/2019	Phosphate	mg/L	Once per month during rain event	1	N/A	N/A	3.07	N/A
		12/08/2019	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	1	N/A	N/A	<0.05	N/A
		12/08/2019	Phosphorus (total)	mg/L	Once per month during rain event	1	N/A	N/A	1.00	N/A
		12/08/2019	TKN	mg/L	Once per month during rain event	1	N/A	N/A	9.6	N/A
		12/08/2019	TSS	mg/L	Once per month during rain event	1	N/A	N/A	7	N/A
		12/08/2019	Flow	kL/Day	Daily during discharge	29	1	87	20	606

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 Licensee Address: 15 Greenleaf Rd, KOORAGANG NSW 2304
 Location of Monitoring Points: http://www.orica.com/images/UserUploadedImages/495/2013_Orica-K1_monitoring_locations.jpg
 Concentration Limit: See licence M2.3

Monthly Summary: June 2019 (Monitoring Points 13 -15)

Monitoring Point	Location of Monitoring Point	Date Published	Pollutant	Units of Measure	Monitoring Frequency Required by Licence	No. of Times measured during month	Min. Value	Mean Value	Median Value	Max. Value		
13	Catchment 4 - Nitrates	9/07/19	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	86.5	N/A		
		9/07/19	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	0.003	N/A		
		9/07/19	Chromium (hexavalent)	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A		
		9/07/19	Nitrate	mg/L	Once per month during rain event	1	N/A	N/A	97.8	N/A		
		9/07/19	Nitrite	mg/L	Once per month during rain event	1	N/A	N/A	0.16	N/A		
		9/07/19	Nitrogen (total)	mg/L	Once per month during rain event	1	N/A	N/A	162.00	N/A		
		9/07/19	pH	pH	Once per month during rain event	1	N/A	N/A	6.97	N/A		
		9/07/19	Phosphate	mg/L	Once per month during rain event	1	N/A	N/A	1.01	N/A		
		9/07/19	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	1	N/A	N/A	0.05	N/A		
		9/07/19	Phosphorus (total)	mg/L	Once per month during rain event	1	N/A	N/A	0.33	N/A		
		9/07/19	TKN	mg/L	Once per month during rain event	1	N/A	N/A	64.0	N/A		
		9/07/19	TSS	mg/L	Once per month during rain event	1	N/A	N/A	86	N/A		
		9/07/19	Flow	kL/Day	Daily during discharge	9	8	109	107	258		
		14	Catchment 5 - Bagging South	9/07/19	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	94	N/A
				9/07/19	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	0.001	N/A
				9/07/19	Chromium (hexavalent)	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
9/07/19	Nitrate			mg/L	Once per month during rain event	1	N/A	N/A	114	N/A		
9/07/19	Nitrite			mg/L	Once per month during rain event	1	N/A	N/A	0.20	N/A		
9/07/19	Nitrogen (total)			mg/L	Once per month during rain event	1	N/A	N/A	185	N/A		
9/07/19	pH			pH	Once per month during rain event	1	N/A	N/A	5.06	N/A		
9/07/19	Phosphate			mg/L	Once per month during rain event	1	N/A	N/A	0.89	N/A		
9/07/19	Phosphorus (dissolved reactive)			mg/L	Once per month during rain event	1	N/A	N/A	0.07	N/A		
9/07/19	Phosphorus (total)			mg/L	Once per month during rain event	1	N/A	N/A	0.29	N/A		
9/07/19	TKN			mg/L	Once per month during rain event	1	N/A	N/A	71	N/A		
9/07/19	TSS			mg/L	Once per month during rain event	1	N/A	N/A	78	N/A		
9/07/19	Flow			kL/Day	Daily during discharge	0	0	0	0	0		
15	Catchment 6 - Bagging North			9/07/19	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	4.9	N/A
				9/07/19	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	0.002	N/A
				9/07/19	Chromium (hexavalent)	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
		9/07/19	Nitrate	mg/L	Once per month during rain event	1	N/A	N/A	19.2	N/A		
		9/07/19	Nitrite	mg/L	Once per month during rain event	1	N/A	N/A	0.36	N/A		
		9/07/19	Nitrogen (total)	mg/L	Once per month during rain event	1	N/A	N/A	29.0	N/A		
		9/07/19	pH	pH	Once per month during rain event	1	N/A	N/A	6.17	N/A		
		9/07/19	Phosphate	mg/L	Once per month during rain event	1	N/A	N/A	4.90	N/A		
		9/07/19	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	1	N/A	N/A	1.00	N/A		
		9/07/19	Phosphorus (total)	mg/L	Once per month during rain event	1	N/A	N/A	1.60	N/A		
		9/07/19	TKN	mg/L	Once per month during rain event	1	N/A	N/A	9.4	N/A		
		9/07/19	TSS	mg/L	Once per month during rain event	1	N/A	N/A	61	N/A		
		9/07/19	Flow	kL/Day	Daily during discharge	0	0	0	0	0		

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 Licensee Address: 15 Greenleaf Rd, KOORAGANG NSW 2304
 Location of Monitoring Points: http://www.orica.com/images/UserUploadedImages/495/2013_Orica-KI_monitoring_locations.jpg
 Concentration Limit: See licence M2.3

Monthly Summary: June 2019 (Monitoring Point 10 -12)

Monitoring Point	Location of Monitoring Point	Date Published	Pollutant	Units of Measure	Monitoring Frequency Required by Licence	No. of Times measured during month	Min. Value	Mean Value	Median Value	Max. Value		
10	Catchment 1 - Ammonia Storage	9/07/19	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	12.50	N/A		
		9/07/19	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	0.005	N/A		
		9/07/19	Chromium (hexavalent)	mg/L	Once per month during rain event	1	N/A	N/A	<0.05	N/A		
		9/07/19	Nitrate	mg/L	Once per month during rain event	1	N/A	N/A	13.2	N/A		
		9/07/19	Nitrite	mg/L	Once per month during rain event	1	N/A	N/A	0.10	N/A		
		9/07/19	Nitrogen (total)	mg/L	Once per month during rain event	1	N/A	N/A	26.8	N/A		
		9/07/19	pH	pH	Once per month during rain event	1	N/A	N/A	8.45	N/A		
		9/07/19	Phosphate	mg/L	Once per month during rain event	1	N/A	N/A	0.79	N/A		
		9/07/19	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	1	N/A	N/A	0.17	N/A		
		9/07/19	Phosphorus (total)	mg/L	Once per month during rain event	1	N/A	N/A	2.42	N/A		
		9/07/19	TKN	mg/L	Once per month during rain event	1	N/A	N/A	13.5	N/A		
		9/07/19	TSS	mg/L	Once per month during rain event	1	N/A	N/A	82	N/A		
		9/07/19	Flow	kL/Day	Daily during discharge	18	1	76	25	251		
		11	Catchment 2 - Admin/NH3	9/07/19	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	3.30	N/A
				9/07/19	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	0.007	N/A
				9/07/19	Chromium (hexavalent)	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
				9/07/19	Nitrate	mg/L	Once per month during rain event	1	N/A	N/A	4.71	N/A
9/07/19	Nitrite			mg/L	Once per month during rain event	1	N/A	N/A	0.09	N/A		
9/07/19	Nitrogen (total)			mg/L	Once per month during rain event	1	N/A	N/A	9.1	N/A		
9/07/19	pH			pH	Once per month during rain event	1	N/A	N/A	7.24	N/A		
9/07/19	Phosphate			mg/L	Once per month during rain event	1	N/A	N/A	1.62	N/A		
9/07/19	Phosphorus (dissolved reactive)			mg/L	Once per month during rain event	1	N/A	N/A	0.09	N/A		
9/07/19	Phosphorus (total)			mg/L	Once per month during rain event	1	N/A	N/A	0.53	N/A		
9/07/19	TKN			mg/L	Once per month during rain event	1	N/A	N/A	4.3	N/A		
9/07/19	TSS			mg/L	Once per month during rain event	1	N/A	N/A	64	N/A		
9/07/19	Flow			kL/Day	Daily during discharge	12	2	89	99	206		
12	Catchment 3 - Ammonia			9/07/19	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	2.00	N/A
				9/07/19	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	0.008	N/A
				9/07/19	Chromium (hexavalent)	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
				9/07/19	Nitrate	mg/L	Once per month during rain event	1	N/A	N/A	6.31	N/A
		9/07/19	Nitrite	mg/L	Once per month during rain event	1	N/A	N/A	9.00	N/A		
		9/07/19	Nitrogen (total)	mg/L	Once per month during rain event	1	N/A	N/A	13.0	N/A		
		9/07/19	pH	pH	Once per month during rain event	1	N/A	N/A	6.97	N/A		
		9/07/19	Phosphate	mg/L	Once per month during rain event	1	N/A	N/A	2.64	N/A		
		9/07/19	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	1	N/A	N/A	0.16	N/A		
		9/07/19	Phosphorus (total)	mg/L	Once per month during rain event	1	N/A	N/A	0.86	N/A		
		9/07/19	TKN	mg/L	Once per month during rain event	1	N/A	N/A	6.6	N/A		
		9/07/19	TSS	mg/L	Once per month during rain event	1	N/A	N/A	58	N/A		
		9/07/19	Flow	kL/Day	Daily during discharge	29	17	685	199	3232		

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ORICA AUSTRALIA PTY LTD

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Location of Monitoring Points:

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Concentration Limit:

See licence M2.3

Monthly Summary: May 2019 (Monitoring Points 13 -15)

Monitoring Point	Location of Monitoring Point	Date Published	Pollutant	Units of Measure	Monitoring Frequency Required by Licence	No. of Times measured during month	Min. Value	Mean Value	Median Value	Max. Value	
13	Catchment 4 - Nitrates	3/06/19	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	59.6	N/A	
		3/06/19	Arsenic	mg/L	Once per month during rain event		N/A	N/A	0.001	N/A	
		3/06/19	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A	
		3/06/19	Nitrate	mg/L	Once per month during rain event		N/A	N/A	71.7	N/A	
		3/06/19	Nitrite	mg/L	Once per month during rain event		N/A	N/A	0.12	N/A	
		3/06/19	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	141.00	N/A	
		3/06/19	pH	pH	Once per month during rain event		N/A	N/A	6.67	N/A	
		3/06/19	Phosphate	mg/L	Once per month during rain event		N/A	N/A	0.77	N/A	
		3/06/19	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event		N/A	N/A	<0.05	N/A	
		3/06/19	Phosphorus (total)	mg/L	Once per month during rain event		N/A	N/A	0.22	N/A	
		3/06/19	TKN	mg/L	Once per month during rain event		N/A	N/A	69.2	N/A	
		3/06/19	TSS	mg/L	Once per month during rain event		N/A	N/A	43	N/A	
		3/06/19	Flow	kL/Day	Daily during discharge		2	22	113	113	204
		14	Catchment 5 - Bagging South	3/06/19	Ammonia		mg/L	Once per month during rain event	1	N/A	N/A
3/06/19	Arsenic			mg/L	Once per month during rain event	N/A	N/A	0.002		N/A	
3/06/19	Chromium (hexavalent)			mg/L	Once per month during rain event	N/A	N/A	<0.01		N/A	
3/06/19	Nitrate			mg/L	Once per month during rain event	N/A	N/A	129		N/A	
3/06/19	Nitrite			mg/L	Once per month during rain event	N/A	N/A	0.16		N/A	
3/06/19	Nitrogen (total)			mg/L	Once per month during rain event	N/A	N/A	289		N/A	
3/06/19	pH			pH	Once per month during rain event	N/A	N/A	5.16		N/A	
3/06/19	Phosphate			mg/L	Once per month during rain event	N/A	N/A	1.26		N/A	
3/06/19	Phosphorus (dissolved reactive)			mg/L	Once per month during rain event	N/A	N/A	0.12		N/A	
3/06/19	Phosphorus (total)			mg/L	Once per month during rain event	N/A	N/A	0.41		N/A	
3/06/19	TKN			mg/L	Once per month during rain event	N/A	N/A	160		N/A	
3/06/19	TSS			mg/L	Once per month during rain event	N/A	N/A	128		N/A	
3/06/19	Flow			kL/Day	Daily during discharge	0	0	0		0	0
15	Catchment 6 - Bagging North			3/06/19	Ammonia	mg/L	Once per month during rain event	1		N/A	N/A
		3/06/19	Arsenic	mg/L	Once per month during rain event	N/A	N/A		0.001	N/A	
		3/06/19	Chromium (hexavalent)	mg/L	Once per month during rain event	N/A	N/A		<0.01	N/A	
		3/06/19	Nitrate	mg/L	Once per month during rain event	N/A	N/A		24.7	N/A	
		3/06/19	Nitrite	mg/L	Once per month during rain event	N/A	N/A		0.10	N/A	
		3/06/19	Nitrogen (total)	mg/L	Once per month during rain event	N/A	N/A		37.8	N/A	
		3/06/19	pH	pH	Once per month during rain event	N/A	N/A		6.21	N/A	
		3/06/19	Phosphate	mg/L	Once per month during rain event	N/A	N/A		5.82	N/A	
		3/06/19	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	N/A	N/A		1.80	N/A	
		3/06/19	Phosphorus (total)	mg/L	Once per month during rain event	N/A	N/A		1.90	N/A	
		3/06/19	TKN	mg/L	Once per month during rain event	N/A	N/A		13.0	N/A	
		3/06/19	TSS	mg/L	Once per month during rain event	N/A	N/A		9	N/A	
		3/06/19	Flow	kL/Day	Daily during discharge	0	0		0	0	0

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Concentration Limit: See licence M2.3

Monthly Summary: May 2019 (Monitoring Point 10 -12)

Monitoring Point	Location of Monitoring Point	Date Published	Pollutant	Units of Measure	Monitoring Frequency Required by Licence	No. of Times measured during month	Min. Value	Mean Value	Median Value	Max. Value		
10	Catchment 1 - Ammonia Storage	3/06/19	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	7.60	N/A		
		3/06/19	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	0.004	N/A		
		3/06/19	Chromium (hexavalent)	mg/L	Once per month during rain event	1	N/A	N/A	<0.05	N/A		
		3/06/19	Nitrate	mg/L	Once per month during rain event	1	N/A	N/A	12.8	N/A		
		3/06/19	Nitrite	mg/L	Once per month during rain event	1	N/A	N/A	0.07	N/A		
		3/06/19	Nitrogen (total)	mg/L	Once per month during rain event	1	N/A	N/A	21.6	N/A		
		3/06/19	pH	pH	Once per month during rain event	1	N/A	N/A	7.26	N/A		
		3/06/19	Phosphate	mg/L	Once per month during rain event	1	N/A	N/A	3.98	N/A		
		3/06/19	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	1	N/A	N/A	0.31	N/A		
		3/06/19	Phosphorus (total)	mg/L	Once per month during rain event	1	N/A	N/A	1.30	N/A		
		3/06/19	TKN	mg/L	Once per month during rain event	1	N/A	N/A	8.7	N/A		
		3/06/19	TSS	mg/L	Once per month during rain event	1	N/A	N/A	111	N/A		
		3/06/19	Flow	kl/Day	Daily during discharge	9	2	29	4	161		
		11	Catchment 2 - Admin/NH3	3/06/19	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	2.40	N/A
				3/06/19	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	0.005	N/A
				3/06/19	Chromium (hexavalent)	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
3/06/19	Nitrate			mg/L	Once per month during rain event	1	N/A	N/A	4.84	N/A		
3/06/19	Nitrite			mg/L	Once per month during rain event	1	N/A	N/A	0.06	N/A		
3/06/19	Nitrogen (total)			mg/L	Once per month during rain event	1	N/A	N/A	7.6	N/A		
3/06/19	pH			pH	Once per month during rain event	1	N/A	N/A	7.13	N/A		
3/06/19	Phosphate			mg/L	Once per month during rain event	1	N/A	N/A	1.50	N/A		
3/06/19	Phosphorus (dissolved reactive)			mg/L	Once per month during rain event	1	N/A	N/A	0.13	N/A		
3/06/19	Phosphorus (total)			mg/L	Once per month during rain event	1	N/A	N/A	0.49	N/A		
3/06/19	TKN			mg/L	Once per month during rain event	1	N/A	N/A	2.7	N/A		
3/06/19	TSS			mg/L	Once per month during rain event	1	N/A	N/A	47	N/A		
3/06/19	Flow			kl/Day	Daily during discharge	4	2	55	28	161		
12	Catchment 3 - Ammonia			3/06/19	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	2.80	N/A
				3/06/19	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	80.000	N/A
				3/06/19	Chromium (hexavalent)	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
		3/06/19	Nitrate	mg/L	Once per month during rain event	1	N/A	N/A	5.04	N/A		
		3/06/19	Nitrite	mg/L	Once per month during rain event	1	N/A	N/A	0.06	N/A		
		3/06/19	Nitrogen (total)	mg/L	Once per month during rain event	1	N/A	N/A	9.8	N/A		
		3/06/19	pH	pH	Once per month during rain event	1	N/A	N/A	7.01	N/A		
		3/06/19	Phosphate	mg/L	Once per month during rain event	1	N/A	N/A	2.61	N/A		
		3/06/19	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	1	N/A	N/A	0.21	N/A		
		3/06/19	Phosphorus (total)	mg/L	Once per month during rain event	1	N/A	N/A	0.85	N/A		
		3/06/19	TKN	mg/L	Once per month during rain event	1	N/A	N/A	0.9	N/A		
		3/06/19	TSS	mg/L	Once per month during rain event	1	N/A	N/A	60	N/A		
		3/06/19	Flow	kl/Day	Daily during discharge	30	43	305	249	1703		

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 Licensee Name: ORICA AUSTRALIA PTY LTD
 Licensee Address: 15 Greenleaf Rd, KOORAGANG NSW 2304
 Location of Monitoring Points: http://www.orica.com/images/UserUploadedImages/495/2013_Orica-KI_monitoring_locations.jpg
 Concentration Limit: See licence M2.3

Monthly Summary: April 2019 (Monitoring Point 10 -12)

Monitoring Point	Location of Monitoring Point	Date Published	Pollutant	Units of Measure	Monitoring Frequency Required by Licence	No. of Times measured during month	Min. Value	Mean Value	Median Value	Max. Value	Column1	
10	Catchment 1 - Ammonia Storage	13/05/19	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	3.30	N/A	3.30	
		13/05/19	Arsenic	mg/L	Once per month during rain event		N/A	N/A	0.002	N/A	0.00	
		13/05/19	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A	<0.01	
		13/05/19	Nitrate	mg/L	Once per month during rain event		N/A	N/A	<0.05	N/A	41.70	
		13/05/19	Nitrite	mg/L	Once per month during rain event		N/A	N/A	0.06	N/A	0.06	
		13/05/19	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	13.1	N/A	68.70	
		13/05/19	pH	pH	Once per month during rain event		N/A	N/A	6.99	N/A	7.19	
		13/05/19	Phosphate	mg/L	Once per month during rain event		N/A	N/A	1.84	N/A	1.86	
		13/05/19	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event		N/A	N/A	0.22	N/A	0.14	
		13/05/19	Phosphorus (total)	mg/L	Once per month during rain event		N/A	N/A	0.60	N/A	0.61	
		13/05/19	TKN	mg/L	Once per month during rain event		N/A	N/A	13.0	N/A	26.90	
		13/05/19	TSS	mg/L	Once per month during rain event		N/A	N/A	67	N/A	80.00	
		13/05/19	Flow	kL/Day	Daily during discharge		8	1	40	16	160	35.00
		13/05/19	Ammonia	mg/L	Once per month during rain event		1	N/A	N/A	1.50	N/A	2.79
		11	Catchment 2 - Admin/NH3	13/05/19	Arsenic	mg/L	Once per month during rain event		N/A	N/A	0.004	N/A
13/05/19	Chromium (hexavalent)			mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A	<0.01	
13/05/19	Nitrate			mg/L	Once per month during rain event		N/A	N/A	3.05	N/A	8.02	
13/05/19	Nitrite			mg/L	Once per month during rain event		N/A	N/A	0.05	N/A	0.06	
13/05/19	Nitrogen (total)			mg/L	Once per month during rain event		N/A	N/A	4.7	N/A	13.60	
13/05/19	pH			pH	Once per month during rain event		N/A	N/A	7.05	N/A	7.00	
13/05/19	Phosphate			mg/L	Once per month during rain event		N/A	N/A	0.98	N/A	0.56	
13/05/19	Phosphorus (dissolved reactive)			mg/L	Once per month during rain event		N/A	N/A	0.15	N/A	0.10	
13/05/19	Phosphorus (total)			mg/L	Once per month during rain event		N/A	N/A	0.32	N/A	0.18	
13/05/19	TKN			mg/L	Once per month during rain event		N/A	N/A	1.6	N/A	5.50	
13/05/19	TSS			mg/L	Once per month during rain event		N/A	N/A	29	N/A	12.00	
13/05/19	Flow			kL/Day	Daily during discharge		6	2	45	24	136	54.00
13/05/19	Ammonia			mg/L	Once per month during rain event		1	N/A	N/A	2.40	N/A	1.18
13/05/19	Arsenic			mg/L	Once per month during rain event			N/A	N/A	0.006	N/A	0.01
13/05/19	Chromium (hexavalent)			mg/L	Once per month during rain event			N/A	N/A	<0.01	N/A	<0.01
13/05/19	Nitrate	mg/L	Once per month during rain event			N/A	N/A	4.04	N/A	3.79		
13/05/19	Nitrite	mg/L	Once per month during rain event			N/A	N/A	0.06	N/A	0.03		
13/05/19	Nitrogen (total)	mg/L	Once per month during rain event			N/A	N/A	6.7	N/A	6.20		
13/05/19	pH	pH	Once per month during rain event			N/A	N/A	7.04	N/A	7.18		
13/05/19	Phosphate	mg/L	Once per month during rain event			N/A	N/A	3.07	N/A	1.93		
13/05/19	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event			N/A	N/A	0.16	N/A	0.41		
13/05/19	Phosphorus (total)	mg/L	Once per month during rain event			N/A	N/A	1.00	N/A	0.63		
13/05/19	TKN	mg/L	Once per month during rain event			N/A	N/A	2.6	N/A	2.40		
13/05/19	TSS	mg/L	Once per month during rain event			N/A	N/A	52	N/A	35.00		
13/05/19	Flow	kL/Day	Daily during discharge		29	43	381	303	1673	58.00		

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Licensee Name:

ORICA AUSTRALIA PTY LTD

Licensee Address:

15 Greenleaf Rd, KOORAGANG NSW 2304

Location of Monitoring Points:

http://www.orica.com/images/UserUploadedImages/495/2013_Orica-KI_monitoring_locations.jpg

Concentration Limit:

See licence M2.3

Monthly Summary: April 2019 (Monitoring Points 13 -15)

Monitoring Point	Location of Monitoring Point	Date Published	Pollutant	Units of Measure	Monitoring Frequency Required by Licence	No. of Times measured during month	Min. Value	Mean Value	Median Value	Max. Value	
13	Catchment 4 - Nitrates	13/05/19	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	76.0	N/A	
		13/05/19	Arsenic	mg/L	Once per month during rain event		N/A	N/A	0.002	N/A	
		13/05/19	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A	
		13/05/19	Nitrate	mg/L	Once per month during rain event		N/A	N/A	<0.05	N/A	
		13/05/19	Nitrite	mg/L	Once per month during rain event		N/A	N/A	0.17	N/A	
		13/05/19	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	180	N/A	
		13/05/19	pH	pH	Once per month during rain event		N/A	N/A	6.70	N/A	
		13/05/19	Phosphate	mg/L	Once per month during rain event		N/A	N/A	1	N/A	
		13/05/19	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event		N/A	N/A	0.05	N/A	
		13/05/19	Phosphorus (total)	mg/L	Once per month during rain event		N/A	N/A	0.25	N/A	
		13/05/19	TKN	mg/L	Once per month during rain event		N/A	N/A	180	N/A	
		13/05/19	TSS	mg/L	Once per month during rain event		N/A	N/A	35	N/A	
		13/05/19	Flow	kL/Day	Daily during discharge		2	43	117	117	192
		14	Catchment 5 - Bagging South	13/05/19	Ammonia		mg/L	Once per month during rain event	1	N/A	N/A
13/05/19	Arsenic			mg/L	Once per month during rain event	N/A	N/A	<0.001		N/A	
13/05/19	Chromium (hexavalent)			mg/L	Once per month during rain event	N/A	N/A	<0.01		N/A	
13/05/19	Nitrate			mg/L	Once per month during rain event	N/A	N/A	<0.05		N/A	
13/05/19	Nitrite			mg/L	Once per month during rain event	N/A	N/A	0.20		N/A	
13/05/19	Nitrogen (total)			mg/L	Once per month during rain event	N/A	N/A	98.2		N/A	
13/05/19	pH			pH	Once per month during rain event	N/A	N/A	6.40		N/A	
13/05/19	Phosphate			mg/L	Once per month during rain event	N/A	N/A	0.37		N/A	
13/05/19	Phosphorus (dissolved reactive)			mg/L	Once per month during rain event	N/A	N/A	<0.05		N/A	
13/05/19	Phosphorus (total)			mg/L	Once per month during rain event	N/A	N/A	0.12		N/A	
13/05/19	TKN			mg/L	Once per month during rain event	N/A	N/A	98.0		N/A	
13/05/19	TSS			mg/L	Once per month during rain event	N/A	N/A	38		N/A	
13/05/19	Flow			kL/Day	Daily during discharge	2	40	41		41	43
15	Catchment 6 - Bagging North			13/05/19	Ammonia	mg/L	Once per month during rain event	1		N/A	N/A
		13/05/19	Arsenic	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A	
		13/05/19	Chromium (hexavalent)	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A	
		13/05/19	Nitrate	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A	
		13/05/19	Nitrite	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A	
		13/05/19	Nitrogen (total)	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A	
		13/05/19	pH	pH	Once per month during rain event	N/A	N/A		N/A	N/A	
		13/05/19	Phosphate	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A	
		13/05/19	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A	
		13/05/19	Phosphorus (total)	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A	
		13/05/19	TKN	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A	
		13/05/19	TSS	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A	
		13/05/19	Flow	kL/Day	Daily during discharge	1					