

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=POEO 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 2021 (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	8/04/21	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	8.37	N/A
		8/04/21	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	0.002	N/A
		8/04/21	Chromium (hexavalent)	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
		8/04/21	Nitrate	mg/L	Once per month during rain event	1	N/A	N/A	14.1	N/A
		8/04/21	Nitrite	mg/L	Once per month during rain event	1	N/A	N/A	0.13	N/A
		8/04/21	Nitrogen (total)	mg/L	Once per month during rain event	1	N/A	N/A	25.3	N/A
		8/04/21	pH	pH	Once per month during rain event	1	N/A	N/A	7.05	N/A
		8/04/21	Phosphate	mg/L	Once per month during rain event	1	N/A	N/A	1.08	N/A
		8/04/21	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	1	N/A	N/A	0.11	N/A
		8/04/21	Phosphorus (total)	mg/L	Once per month during rain event	1	N/A	N/A	0.35	N/A
		8/04/21	TKN	mg/L	Once per month during rain event	1	N/A	N/A	11.1	N/A
		8/04/21	TSS	mg/L	Once per month during rain event	1	N/A	N/A	52	N/A
		8/04/21	Flow	kL/Day	Daily during discharge	20	2	198	33	1220
		11	Catchment 2 - Admin/NH3	8/04/21	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A
8/04/21	Arsenic			mg/L	Once per month during rain event	1	N/A	N/A	0.029	N/A
8/04/21	Chromium (hexavalent)			mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
8/04/21	Nitrate			mg/L	Once per month during rain event	1	N/A	N/A	5.04	N/A
8/04/21	Nitrite			mg/L	Once per month during rain event	1	N/A	N/A	0.09	N/A
8/04/21	Nitrogen (total)			mg/L	Once per month during rain event	1	N/A	N/A	8.1	N/A
8/04/21	pH			pH	Once per month during rain event	1	N/A	N/A	7.02	N/A
8/04/21	Phosphate			mg/L	Once per month during rain event	1	N/A	N/A	0.46	N/A
8/04/21	Phosphorus (dissolved reactive)			mg/L	Once per month during rain event	1	N/A	N/A	0.07	N/A
8/04/21	Phosphorus (total)			mg/L	Once per month during rain event	1	N/A	N/A	0.15	N/A
8/04/21	TKN			mg/L	Once per month during rain event	1	N/A	N/A	3	N/A
8/04/21	TSS			mg/L	Once per month during rain event	1	N/A	N/A	7	N/A
8/04/21	Flow			kL/Day	Daily during discharge	17	1	281	51	1614
12	Catchment 3 - Ammonia			8/04/21	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A
		8/04/21	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	0.040	N/A
		8/04/21	Chromium (hexavalent)	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
		8/04/21	Nitrate	mg/L	Once per month during rain event	1	N/A	N/A	11.20	N/A
		8/04/21	Nitrite	mg/L	Once per month during rain event	1	N/A	N/A	0.07	N/A
		8/04/21	Nitrogen (total)	mg/L	Once per month during rain event	1	N/A	N/A	13.5	N/A
		8/04/21	pH	pH	Once per month during rain event	1	N/A	N/A	7.58	N/A
		8/04/21	Phosphate	mg/L	Once per month during rain event	1	N/A	N/A	1.20	N/A
		8/04/21	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	1	N/A	N/A	0.31	N/A
		8/04/21	Phosphorus (total)	mg/L	Once per month during rain event	1	N/A	N/A	0.39	N/A
		8/04/21	TKN	mg/L	Once per month during rain event	1	N/A	N/A	2.2	N/A
		8/04/21	TSS	mg/L	Once per month during rain event	1	N/A	N/A	<5	N/A
		8/04/21	Flow	kL/Day	Daily during discharge	26	1	466	225	3046

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Concentration Limit: See licence M2.3

Monthly Summary: March 2021 (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	8/04/21	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	18.4	N/A
		8/04/21	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	<0.001	N/A
		8/04/21	Chromium (hexavalent)	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
		8/04/21	Nitrate	mg/L	Once per month during rain event	1	N/A	N/A	55.3	N/A
		8/04/21	Nitrite	mg/L	Once per month during rain event	1	N/A	N/A	11.90	N/A
		8/04/21	Nitrogen (total)	mg/L	Once per month during rain event	1	N/A	N/A	85.3	N/A
		8/04/21	pH	pH	Once per month during rain event	1	N/A	N/A	5.94	N/A
		8/04/21	Phosphate	mg/L	Once per month during rain event	1	N/A	N/A	0.19	N/A
		8/04/21	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	1	N/A	N/A	<0.05	N/A
		8/04/21	Phosphorus (total)	mg/L	Once per month during rain event	1	N/A	N/A	0.06	N/A
		8/04/21	TKN	mg/L	Once per month during rain event	1	N/A	N/A	18.1	N/A
		8/04/21	TSS	mg/L	Once per month during rain event	1	N/A	N/A	8	N/A
		8/04/21	Flow	kL/Day	Daily during discharge	7	87	835	369	2314
		14	Catchment 5 - Bagging South	8/04/21	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A
8/04/21	Arsenic			mg/L	Once per month during rain event	1	N/A	N/A	<0.001	N/A
8/04/21	Chromium (hexavalent)			mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
8/04/21	Nitrate			mg/L	Once per month during rain event	1	N/A	N/A	50.6	N/A
8/04/21	Nitrite			mg/L	Once per month during rain event	1	N/A	N/A	0.2	N/A
8/04/21	Nitrogen (total)			mg/L	Once per month during rain event	1	N/A	N/A	78.5	N/A
8/04/21	pH			pH	Once per month during rain event	1	N/A	N/A	5.82	N/A
8/04/21	Phosphate			mg/L	Once per month during rain event	1	N/A	N/A	0.37	N/A
8/04/21	Phosphorus (dissolved reactive)			mg/L	Once per month during rain event	1	N/A	N/A	<0.05	N/A
8/04/21	Phosphorus (total)			mg/L	Once per month during rain event	1	N/A	N/A	0.12	N/A
8/04/21	TKN			mg/L	Once per month during rain event	1	N/A	N/A	27.6	N/A
8/04/21	TSS			mg/L	Once per month during rain event	1	N/A	N/A	26	N/A
8/04/21	Flow			kL/Day	Daily during discharge	7	41	353	148	955
15	Catchment 6 - Bagging North			8/04/21	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A
		8/04/21	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	<0.001	N/A
		8/04/21	Chromium (hexavalent)	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
		8/04/21	Nitrate	mg/L	Once per month during rain event	1	N/A	N/A	11.2	N/A
		8/04/21	Nitrite	mg/L	Once per month during rain event	1	N/A	N/A	0.1	N/A
		8/04/21	Nitrogen (total)	mg/L	Once per month during rain event	1	N/A	N/A	4.1	N/A
		8/04/21	pH	pH	Once per month during rain event	1	N/A	N/A	6.95	N/A
		8/04/21	Phosphate	mg/L	Once per month during rain event	1	N/A	N/A	1.6	N/A
		8/04/21	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	1	N/A	N/A	0.4	N/A
		8/04/21	Phosphorus (total)	mg/L	Once per month during rain event	1	N/A	N/A	0.5	N/A
		8/04/21	TKN	mg/L	Once per month during rain event	1	N/A	N/A	<0.1	N/A
		8/04/21	TSS	mg/L	Once per month during rain event	1	N/A	N/A	15	N/A
		8/04/21	Flow	kL/Day	Daily during discharge	5	1	185	77	445

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Concentration Limit: See licence M2.3

Monthly Summary: February 2021 (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	10/03/21	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	2.45	N/A
		10/03/21	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	0.002	N/A
		10/03/21	Chromium (hexavalent)	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
		10/03/21	Nitrate	mg/L	Once per month during rain event	1	N/A	N/A	3.6	N/A
		10/03/21	Nitrite	mg/L	Once per month during rain event	1	N/A	N/A	0.08	N/A
		10/03/21	Nitrogen (total)	mg/L	Once per month during rain event	1	N/A	N/A	4.2	N/A
		10/03/21	pH	pH	Once per month during rain event	1	N/A	N/A	6.72	N/A
		10/03/21	Phosphate	mg/L	Once per month during rain event	1	N/A	N/A	0.84	N/A
		10/03/21	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	1	N/A	N/A	0.11	N/A
		10/03/21	Phosphorus (total)	mg/L	Once per month during rain event	1	N/A	N/A	0.28	N/A
		10/03/21	TKN	mg/L	Once per month during rain event	1	N/A	N/A	0.5	N/A
		10/03/21	TSS	mg/L	Once per month during rain event	1	N/A	N/A	52	N/A
		10/03/21	Flow	kL/Day	Daily during discharge	15	1	32	33	84
		11	Catchment 2 - Admin/NH3	10/03/21	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A
10/03/21	Arsenic			mg/L	Once per month during rain event	1	N/A	N/A	0.011	N/A
10/03/21	Chromium (hexavalent)			mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
10/03/21	Nitrate			mg/L	Once per month during rain event	1	N/A	N/A	5.45	N/A
10/03/21	Nitrite			mg/L	Once per month during rain event	1	N/A	N/A	0.24	N/A
10/03/21	Nitrogen (total)			mg/L	Once per month during rain event	1	N/A	N/A	6.0	N/A
10/03/21	pH			pH	Once per month during rain event	1	N/A	N/A	6.77	N/A
10/03/21	Phosphate			mg/L	Once per month during rain event	1	N/A	N/A	0.29	N/A
10/03/21	Phosphorus (dissolved reactive)			mg/L	Once per month during rain event	1	N/A	N/A	<0.05	N/A
10/03/21	Phosphorus (total)			mg/L	Once per month during rain event	1	N/A	N/A	0.10	N/A
10/03/21	TKN			mg/L	Once per month during rain event	1	N/A	N/A	0.3	N/A
10/03/21	TSS			mg/L	Once per month during rain event	1	N/A	N/A	9	N/A
10/03/21	Flow			kL/Day	Daily during discharge	16	1	47	51	111
12	Catchment 3 - Ammonia			10/03/21	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A
		10/03/21	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	0.009	N/A
		10/03/21	Chromium (hexavalent)	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
		10/03/21	Nitrate	mg/L	Once per month during rain event	1	N/A	N/A	3.80	N/A
		10/03/21	Nitrite	mg/L	Once per month during rain event	1	N/A	N/A	<0.05	N/A
		10/03/21	Nitrogen (total)	mg/L	Once per month during rain event	1	N/A	N/A	3.9	N/A
		10/03/21	pH	pH	Once per month during rain event	1	N/A	N/A	6.89	N/A
		10/03/21	Phosphate	mg/L	Once per month during rain event	1	N/A	N/A	0.98	N/A
		10/03/21	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	1	N/A	N/A	0.13	N/A
		10/03/21	Phosphorus (total)	mg/L	Once per month during rain event	1	N/A	N/A	0.32	N/A
		10/03/21	TKN	mg/L	Once per month during rain event	1	N/A	N/A	0.1	N/A
		10/03/21	TSS	mg/L	Once per month during rain event	1	N/A	N/A	12	N/A
		10/03/21	Flow	kL/Day	Daily during discharge	24	18	206	127	689

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Monthly Summary: February 2021 (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	10/03/21	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	34.1	N/A
		10/03/21	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	<0.001	N/A
		10/03/21	Chromium (hexavalent)	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
		10/03/21	Nitrate	mg/L	Once per month during rain event	1	N/A	N/A	57.5	N/A
		10/03/21	Nitrite	mg/L	Once per month during rain event	1	N/A	N/A	0.30	N/A
		10/03/21	Nitrogen (total)	mg/L	Once per month during rain event	1	N/A	N/A	88.8	N/A
		10/03/21	pH	pH	Once per month during rain event	1	N/A	N/A	7.54	N/A
		10/03/21	Phosphate	mg/L	Once per month during rain event	1	N/A	N/A	0.15	N/A
		10/03/21	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	1	N/A	N/A	<0.05	N/A
		10/03/21	Phosphorus (total)	mg/L	Once per month during rain event	1	N/A	N/A	0.05	N/A
		10/03/21	TKN	mg/L	Once per month during rain event	1	N/A	N/A	31.0	N/A
		10/03/21	TSS	mg/L	Once per month during rain event	1	N/A	N/A	<5	N/A
		10/03/21	Flow	kL/Day	Daily during discharge	8	8	52	47	114
		14	Catchment 5 - Bagging South	10/03/21	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A
10/03/21	Arsenic			mg/L	Once per month during rain event	1	N/A	N/A	<0.001	N/A
10/03/21	Chromium (hexavalent)			mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
10/03/21	Nitrate			mg/L	Once per month during rain event	1	N/A	N/A	38	N/A
10/03/21	Nitrite			mg/L	Once per month during rain event	1	N/A	N/A	0.2	N/A
10/03/21	Nitrogen (total)			mg/L	Once per month during rain event	1	N/A	N/A	64	N/A
10/03/21	pH			pH	Once per month during rain event	1	N/A	N/A	6.6	N/A
10/03/21	Phosphate			mg/L	Once per month during rain event	1	N/A	N/A	0.46	N/A
10/03/21	Phosphorus (dissolved reactive)			mg/L	Once per month during rain event	1	N/A	N/A	<0.05	N/A
10/03/21	Phosphorus (total)			mg/L	Once per month during rain event	1	N/A	N/A	0.15	N/A
10/03/21	TKN			mg/L	Once per month during rain event	1	N/A	N/A	25	N/A
10/03/21	TSS			mg/L	Once per month during rain event	1	N/A	N/A	26	N/A
10/03/21	Flow			kL/Day	Daily during discharge	0	0	0	0	0
15	Catchment 6 - Bagging North			10/03/21	Ammonia	mg/L	Once per month during rain event	0	N/A	N/A
		10/03/21	Arsenic	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A
		10/03/21	Chromium (hexavalent)	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A
		10/03/21	Nitrate	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A
		10/03/21	Nitrite	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A
		10/03/21	Nitrogen (total)	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A
		10/03/21	pH	pH	Once per month during rain event	0	N/A	N/A	N/A	N/A
		10/03/21	Phosphate	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A
		10/03/21	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A
		10/03/21	Phosphorus (total)	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A
		10/03/21	TKN	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A
		10/03/21	TSS	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A
		10/03/21	Flow	kL/Day	Daily during discharge	0	0	0	0	0

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Monthly Summary: January 2021 (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	10/02/21	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	0.49	N/A
		10/02/21	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	0.002	N/A
		10/02/21	Chromium (hexavalent)	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
		10/02/21	Nitrate	mg/L	Once per month during rain event	1	N/A	N/A	3.4	N/A
		10/02/21	Nitrite	mg/L	Once per month during rain event	1	N/A	N/A	0.26	N/A
		10/02/21	Nitrogen (total)	mg/L	Once per month during rain event	1	N/A	N/A	4.7	N/A
		10/02/21	pH	pH	Once per month during rain event	1	N/A	N/A	7.31	N/A
		10/02/21	Phosphate	mg/L	Once per month during rain event	1	N/A	N/A	1.29	N/A
		10/02/21	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	1	N/A	N/A	0.05	N/A
		10/02/21	Phosphorus (total)	mg/L	Once per month during rain event	1	N/A	N/A	0.42	N/A
		10/02/21	TKN	mg/L	Once per month during rain event	1	N/A	N/A	1.0	N/A
		10/02/21	TSS	mg/L	Once per month during rain event	1	N/A	N/A	<5	N/A
		10/02/21	Flow	kL/Day	Daily during discharge	12	1	61	24	403
		11	Catchment 2 - Admin/NH3	10/02/21	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A
10/02/21	Arsenic			mg/L	Once per month during rain event	1	N/A	N/A	0.005	N/A
10/02/21	Chromium (hexavalent)			mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
10/02/21	Nitrate			mg/L	Once per month during rain event	1	N/A	N/A	1.38	N/A
10/02/21	Nitrite			mg/L	Once per month during rain event	1	N/A	N/A	0.08	N/A
10/02/21	Nitrogen (total)			mg/L	Once per month during rain event	1	N/A	N/A	1.9	N/A
10/02/21	pH			pH	Once per month during rain event	1	N/A	N/A	6.96	N/A
10/02/21	Phosphate			mg/L	Once per month during rain event	1	N/A	N/A	0.24	N/A
10/02/21	Phosphorus (dissolved reactive)			mg/L	Once per month during rain event	1	N/A	N/A	<0.05	N/A
10/02/21	Phosphorus (total)			mg/L	Once per month during rain event	1	N/A	N/A	0.08	N/A
10/02/21	TKN			mg/L	Once per month during rain event	1	N/A	N/A	0.4	N/A
10/02/21	TSS			mg/L	Once per month during rain event	1	N/A	N/A	<5	N/A
10/02/21	Flow			kL/Day	Daily during discharge	11	3	89	42	556
12	Catchment 3 - Ammonia			10/02/21	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A
		10/02/21	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	0.008	N/A
		10/02/21	Chromium (hexavalent)	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
		10/02/21	Nitrate	mg/L	Once per month during rain event	1	N/A	N/A	2.44	N/A
		10/02/21	Nitrite	mg/L	Once per month during rain event	1	N/A	N/A	0.06	N/A
		10/02/21	Nitrogen (total)	mg/L	Once per month during rain event	1	N/A	N/A	3.5	N/A
		10/02/21	pH	pH	Once per month during rain event	1	N/A	N/A	7.10	N/A
		10/02/21	Phosphate	mg/L	Once per month during rain event	1	N/A	N/A	2.30	N/A
		10/02/21	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	1	N/A	N/A	0.07	N/A
		10/02/21	Phosphorus (total)	mg/L	Once per month during rain event	1	N/A	N/A	0.75	N/A
		10/02/21	TKN	mg/L	Once per month during rain event	1	N/A	N/A	1.0	N/A
		10/02/21	TSS	mg/L	Once per month during rain event	1	N/A	N/A	55	N/A
		10/02/21	Flow	kL/Day	Daily during discharge	11	15	334	31	2874

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Concentration Limit: See licence M2.3

Monthly Summary: January 2021 (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	10/02/21	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	37.6	N/A
		10/02/21	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	0.001	N/A
		10/02/21	Chromium (hexavalent)	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
		10/02/21	Nitrate	mg/L	Once per month during rain event	1	N/A	N/A	44.1	N/A
		10/02/21	Nitrite	mg/L	Once per month during rain event	1	N/A	N/A	0.22	N/A
		10/02/21	Nitrogen (total)	mg/L	Once per month during rain event	1	N/A	N/A	79.4	N/A
		10/02/21	pH	pH	Once per month during rain event	1	N/A	N/A	7.02	N/A
		10/02/21	Phosphate	mg/L	Once per month during rain event	1	N/A	N/A	0.35	N/A
		10/02/21	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	1	N/A	N/A	<0.05	N/A
		10/02/21	Phosphorus (total)	mg/L	Once per month during rain event	1	N/A	N/A	0.11	N/A
		10/02/21	TKN	mg/L	Once per month during rain event	1	N/A	N/A	35.1	N/A
		10/02/21	TSS	mg/L	Once per month during rain event	1	N/A	N/A	25	N/A
		10/02/21	Flow	kL/Day	Daily during discharge	5	2	105	9	441
		14	Catchment 5 - Bagging South	10/02/21	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A
10/02/21	Arsenic			mg/L	Once per month during rain event	1	N/A	N/A	<0.001	N/A
10/02/21	Chromium (hexavalent)			mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
10/02/21	Nitrate			mg/L	Once per month during rain event	1	N/A	N/A	24	N/A
10/02/21	Nitrite			mg/L	Once per month during rain event	1	N/A	N/A	0.1	N/A
10/02/21	Nitrogen (total)			mg/L	Once per month during rain event	1	N/A	N/A	43	N/A
10/02/21	pH			pH	Once per month during rain event	1	N/A	N/A	5.4	N/A
10/02/21	Phosphate			mg/L	Once per month during rain event	1	N/A	N/A	0.31	N/A
10/02/21	Phosphorus (dissolved reactive)			mg/L	Once per month during rain event	1	N/A	N/A	<0.05	N/A
10/02/21	Phosphorus (total)			mg/L	Once per month during rain event	1	N/A	N/A	0.10	N/A
10/02/21	TKN			mg/L	Once per month during rain event	1	N/A	N/A	20	N/A
10/02/21	TSS			mg/L	Once per month during rain event	1	N/A	N/A	34	N/A
10/02/21	Flow			kL/Day	Daily during discharge	4	2	56	6	211
15	Catchment 6 - Bagging North			10/02/21	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A
		10/02/21	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	0	N/A
		10/02/21	Chromium (hexavalent)	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
		10/02/21	Nitrate	mg/L	Once per month during rain event	1	N/A	N/A	10.9	N/A
		10/02/21	Nitrite	mg/L	Once per month during rain event	1	N/A	N/A	<0.05	N/A
		10/02/21	Nitrogen (total)	mg/L	Once per month during rain event	1	N/A	N/A	11.9	N/A
		10/02/21	pH	pH	Once per month during rain event	1	N/A	N/A	6.8	N/A
		10/02/21	Phosphate	mg/L	Once per month during rain event	1	N/A	N/A	0.7	N/A
		10/02/21	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	1	N/A	N/A	<0.05	N/A
		10/02/21	Phosphorus (total)	mg/L	Once per month during rain event	1	N/A	N/A	0	N/A
		10/02/21	TKN	mg/L	Once per month during rain event	1	N/A	N/A	1.0	N/A
		10/02/21	TSS	mg/L	Once per month during rain event	1	N/A	N/A	30	N/A
		10/02/21	Flow	kL/Day	Daily during discharge	1	2	2	2	2

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Concentration Limit: See licence M2.3

Monthly Summary: December 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	11/01/21	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	31.90	N/A
		11/01/21	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	0.002	N/A
		11/01/21	Chromium (hexavalent)	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
		11/01/21	Nitrate	mg/L	Once per month during rain event	1	N/A	N/A	42.6	N/A
		11/01/21	Nitrite	mg/L	Once per month during rain event	1	N/A	N/A	0.14	N/A
		11/01/21	Nitrogen (total)	mg/L	Once per month during rain event	1	N/A	N/A	68.1	N/A
		11/01/21	pH	pH	Once per month during rain event	1	N/A	N/A	7.22	N/A
		11/01/21	Phosphate	mg/L	Once per month during rain event	1	N/A	N/A	1.25	N/A
		11/01/21	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	1	N/A	N/A	0.07	N/A
		11/01/21	Phosphorus (total)	mg/L	Once per month during rain event	1	N/A	N/A	0.41	N/A
		11/01/21	TKN	mg/L	Once per month during rain event	1	N/A	N/A	25.4	N/A
		11/01/21	TSS	mg/L	Once per month during rain event	1	N/A	N/A	59	N/A
		11/01/21	Flow	kL/Day	Daily during discharge	14	1	35	20	158
		11	Catchment 2 - Admin/NH3	11/01/21	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A
11/01/21	Arsenic			mg/L	Once per month during rain event	1	N/A	N/A	0.005	N/A
11/01/21	Chromium (hexavalent)			mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
11/01/21	Nitrate			mg/L	Once per month during rain event	1	N/A	N/A	13.9	N/A
11/01/21	Nitrite			mg/L	Once per month during rain event	1	N/A	N/A	0.12	N/A
11/01/21	Nitrogen (total)			mg/L	Once per month during rain event	1	N/A	N/A	23.3	N/A
11/01/21	pH			pH	Once per month during rain event	1	N/A	N/A	7.07	N/A
11/01/21	Phosphate			mg/L	Once per month during rain event	1	N/A	N/A	0.70	N/A
11/01/21	Phosphorus (dissolved reactive)			mg/L	Once per month during rain event	1	N/A	N/A	<0.05	N/A
11/01/21	Phosphorus (total)			mg/L	Once per month during rain event	1	N/A	N/A	0.23	N/A
11/01/21	TKN			mg/L	Once per month during rain event	1	N/A	N/A	9.2	N/A
11/01/21	TSS			mg/L	Once per month during rain event	1	N/A	N/A	44	N/A
11/01/21	Flow			kL/Day	Daily during discharge	15	1	54	36	265
12	Catchment 3 - Ammonia			11/01/21	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A
		11/01/21	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	0.013	N/A
		11/01/21	Chromium (hexavalent)	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
		11/01/21	Nitrate	mg/L	Once per month during rain event	1	N/A	N/A	6.00	N/A
		11/01/21	Nitrite	mg/L	Once per month during rain event	1	N/A	N/A	0.08	N/A
		11/01/21	Nitrogen (total)	mg/L	Once per month during rain event	1	N/A	N/A	9.3	N/A
		11/01/21	pH	pH	Once per month during rain event	1	N/A	N/A	7.21	N/A
		11/01/21	Phosphate	mg/L	Once per month during rain event	1	N/A	N/A	2.78	N/A
		11/01/21	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	1	N/A	N/A	0.08	N/A
		11/01/21	Phosphorus (total)	mg/L	Once per month during rain event	1	N/A	N/A	0.91	N/A
		11/01/21	TKN	mg/L	Once per month during rain event	1	N/A	N/A	3.2	N/A
		11/01/21	TSS	mg/L	Once per month during rain event	1	N/A	N/A	80	N/A
		11/01/21	Flow	kL/Day	Daily during discharge	11	4	34	19	118

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Concentration Limit: See licence M2.3

Monthly Summary: December 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	11/01/21	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	83.9	N/A
		11/01/21	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	0.002	N/A
		11/01/21	Chromium (hexavalent)	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
		11/01/21	Nitrate	mg/L	Once per month during rain event	1	N/A	N/A	97.9	N/A
		11/01/21	Nitrite	mg/L	Once per month during rain event	1	N/A	N/A	0.13	N/A
		11/01/21	Nitrogen (total)	mg/L	Once per month during rain event	1	N/A	N/A	189.0	N/A
		11/01/21	pH	pH	Once per month during rain event	1	N/A	N/A	6.24	N/A
		11/01/21	Phosphate	mg/L	Once per month during rain event	1	N/A	N/A	<0.05	N/A
		11/01/21	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	1	N/A	N/A	<0.05	N/A
		11/01/21	Phosphorus (total)	mg/L	Once per month during rain event	1	N/A	N/A	<0.05	N/A
		11/01/21	TKN	mg/L	Once per month during rain event	1	N/A	N/A	91.0	N/A
		11/01/21	TSS	mg/L	Once per month during rain event	1	N/A	N/A	50	N/A
		11/01/21	Flow	kL/Day	Daily during discharge	8	4	41	26	157
		14	Catchment 5 - Bagging South	11/01/21	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A
11/01/21	Arsenic			mg/L	Once per month during rain event	1	N/A	N/A	<0.001	N/A
11/01/21	Chromium (hexavalent)			mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
11/01/21	Nitrate			mg/L	Once per month during rain event	1	N/A	N/A	106	N/A
11/01/21	Nitrite			mg/L	Once per month during rain event	1	N/A	N/A	0.1	N/A
11/01/21	Nitrogen (total)			mg/L	Once per month during rain event	1	N/A	N/A	210	N/A
11/01/21	pH			pH	Once per month during rain event	1	N/A	N/A	5.7	N/A
11/01/21	Phosphate			mg/L	Once per month during rain event	1	N/A	N/A	0.64	N/A
11/01/21	Phosphorus (dissolved reactive)			mg/L	Once per month during rain event	1	N/A	N/A	<0.05	N/A
11/01/21	Phosphorus (total)			mg/L	Once per month during rain event	1	N/A	N/A	0.21	N/A
11/01/21	TKN			mg/L	Once per month during rain event	1	N/A	N/A	104	N/A
11/01/21	TSS			mg/L	Once per month during rain event	1	N/A	N/A	66	N/A
11/01/21	Flow			kL/Day	Daily during discharge	4	4	29	22	68
15	Catchment 6 - Bagging North			11/01/21	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A
		11/01/21	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	<0.001	N/A
		11/01/21	Chromium (hexavalent)	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
		11/01/21	Nitrate	mg/L	Once per month during rain event	1	N/A	N/A	13.2	N/A
		11/01/21	Nitrite	mg/L	Once per month during rain event	1	N/A	N/A	<0.05	N/A
		11/01/21	Nitrogen (total)	mg/L	Once per month during rain event	1	N/A	N/A	18.5	N/A
		11/01/21	pH	pH	Once per month during rain event	1	N/A	N/A	7.3	N/A
		11/01/21	Phosphate	mg/L	Once per month during rain event	1	N/A	N/A	<0.05	N/A
		11/01/21	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	1	N/A	N/A	<0.05	N/A
		11/01/21	Phosphorus (total)	mg/L	Once per month during rain event	1	N/A	N/A	<0.05	N/A
		11/01/21	TKN	mg/L	Once per month during rain event	1	N/A	N/A	5.3	N/A
		11/01/21	TSS	mg/L	Once per month during rain event	1	N/A	N/A	<5	N/A
		11/01/21	Flow	kL/Day	Daily during discharge	1	1	1	1	1

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Concentration Limit: See licence M2.3

Monthly Summary: November 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	10/12/20	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	3.20	N/A
		10/12/20	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	0.004	N/A
		10/12/20	Chromium (hexavalent)	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
		10/12/20	Nitrate	mg/L	Once per month during rain event	1	N/A	N/A	5.4	N/A
		10/12/20	Nitrite	mg/L	Once per month during rain event	1	N/A	N/A	0.15	N/A
		10/12/20	Nitrogen (total)	mg/L	Once per month during rain event	1	N/A	N/A	9.3	N/A
		10/12/20	pH	pH	Once per month during rain event	1	N/A	N/A	7.56	N/A
		10/12/20	Phosphate	mg/L	Once per month during rain event	1	N/A	N/A	2.73	N/A
		10/12/20	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	1	N/A	N/A	0.09	N/A
		10/12/20	Phosphorus (total)	mg/L	Once per month during rain event	1	N/A	N/A	0.89	N/A
		10/12/20	TKN	mg/L	Once per month during rain event	1	N/A	N/A	3.8	N/A
		10/12/20	TSS	mg/L	Once per month during rain event	1	N/A	N/A	148	N/A
		10/12/20	Flow	kL/Day	Daily during discharge	6	16	63	47	164
		11	Catchment 2 - Admin/NH3	10/12/20	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A
10/12/20	Arsenic			mg/L	Once per month during rain event	1	N/A	N/A	0.007	N/A
10/12/20	Chromium (hexavalent)			mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
10/12/20	Nitrate			mg/L	Once per month during rain event	1	N/A	N/A	4.08	N/A
10/12/20	Nitrite			mg/L	Once per month during rain event	1	N/A	N/A	0.22	N/A
10/12/20	Nitrogen (total)			mg/L	Once per month during rain event	1	N/A	N/A	7.4	N/A
10/12/20	pH			pH	Once per month during rain event	1	N/A	N/A	6.83	N/A
10/12/20	Phosphate			mg/L	Once per month during rain event	1	N/A	N/A	0.80	N/A
10/12/20	Phosphorus (dissolved reactive)			mg/L	Once per month during rain event	1	N/A	N/A	<0.05	N/A
10/12/20	Phosphorus (total)			mg/L	Once per month during rain event	1	N/A	N/A	0.26	N/A
10/12/20	TKN			mg/L	Once per month during rain event	1	N/A	N/A	3.1	N/A
10/12/20	TSS			mg/L	Once per month during rain event	1	N/A	N/A	48	N/A
10/12/20	Flow			kL/Day	Daily during discharge	4	30	96	108	136
12	Catchment 3 - Ammonia			10/12/20	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A
		10/12/20	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	0.011	N/A
		10/12/20	Chromium (hexavalent)	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
		10/12/20	Nitrate	mg/L	Once per month during rain event	1	N/A	N/A	3.34	N/A
		10/12/20	Nitrite	mg/L	Once per month during rain event	1	N/A	N/A	0.06	N/A
		10/12/20	Nitrogen (total)	mg/L	Once per month during rain event	1	N/A	N/A	5.3	N/A
		10/12/20	pH	pH	Once per month during rain event	1	N/A	N/A	7.04	N/A
		10/12/20	Phosphate	mg/L	Once per month during rain event	1	N/A	N/A	3.68	N/A
		10/12/20	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	1	N/A	N/A	0.08	N/A
		10/12/20	Phosphorus (total)	mg/L	Once per month during rain event	1	N/A	N/A	1.20	N/A
		10/12/20	TKN	mg/L	Once per month during rain event	1	N/A	N/A	1.9	N/A
		10/12/20	TSS	mg/L	Once per month during rain event	1	N/A	N/A	420	N/A
		10/12/20	Flow	kL/Day	Daily during discharge	4	15	82	74	165

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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: November 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	10/12/20	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	45.3	N/A
		10/12/20	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	<0.001	N/A
		10/12/20	Chromium (hexavalent)	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
		10/12/20	Nitrate	mg/L	Once per month during rain event	1	N/A	N/A	55.8	N/A
		10/12/20	Nitrite	mg/L	Once per month during rain event	1	N/A	N/A	0.27	N/A
		10/12/20	Nitrogen (total)	mg/L	Once per month during rain event	1	N/A	N/A	106.0	N/A
		10/12/20	pH	pH	Once per month during rain event	1	N/A	N/A	7.07	N/A
		10/12/20	Phosphate	mg/L	Once per month during rain event	1	N/A	N/A	0.49	N/A
		10/12/20	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	1	N/A	N/A	<0.05	N/A
		10/12/20	Phosphorus (total)	mg/L	Once per month during rain event	1	N/A	N/A	0.16	N/A
		10/12/20	TKN	mg/L	Once per month during rain event	1	N/A	N/A	49.7	N/A
		10/12/20	TSS	mg/L	Once per month during rain event	1	N/A	N/A	36	N/A
		10/12/20	Flow	kL/Day	Daily during discharge	3	14	98	103	176
		14	Catchment 5 - Bagging South	10/12/20	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A
10/12/20	Arsenic			mg/L	Once per month during rain event	1	N/A	N/A	<0.001	N/A
10/12/20	Chromium (hexavalent)			mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
10/12/20	Nitrate			mg/L	Once per month during rain event	1	N/A	N/A	54.20	N/A
10/12/20	Nitrite			mg/L	Once per month during rain event	1	N/A	N/A	0.080	N/A
10/12/20	Nitrogen (total)			mg/L	Once per month during rain event	1	N/A	N/A	98.9	N/A
10/12/20	pH			pH	Once per month during rain event	1	N/A	N/A	6.13	N/A
10/12/20	Phosphate			mg/L	Once per month during rain event	1	N/A	N/A	0.43	N/A
10/12/20	Phosphorus (dissolved reactive)			mg/L	Once per month during rain event	1	N/A	N/A	<0.05	N/A
10/12/20	Phosphorus (total)			mg/L	Once per month during rain event	1	N/A	N/A	0.14	N/A
10/12/20	TKN			mg/L	Once per month during rain event	1	N/A	N/A	44.6	N/A
10/12/20	TSS			mg/L	Once per month during rain event	1	N/A	N/A	53	N/A
10/12/20	Flow			kL/Day	Daily during discharge	3	9	24	13	50
15	Catchment 6 - Bagging North			10/12/20	Ammonia	mg/L	Once per month during rain event	0	N/A	N/A
		10/12/20	Arsenic	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A
		10/12/20	Chromium (hexavalent)	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A
		10/12/20	Nitrate	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A
		10/12/20	Nitrite	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A
		10/12/20	Nitrogen (total)	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A
		10/12/20	pH	pH	Once per month during rain event	0	N/A	N/A	N/A	N/A
		10/12/20	Phosphate	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A
		10/12/20	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A
		10/12/20	Phosphorus (total)	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A
		10/12/20	TKN	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A
		10/12/20	TSS	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A
		10/12/20	Flow	kL/Day	Daily during discharge	No discharge recorded at Catchment 6	N/A	N/A	NA	N/A

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Concentration Limit: See licence M2.3

Monthly Summary: October 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	12/11/20	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	4.76	N/A
		12/11/20	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	0.003	N/A
		12/11/20	Chromium (hexavalent)	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
		12/11/20	Nitrate	mg/L	Once per month during rain event	1	N/A	N/A	8.3	N/A
		12/11/20	Nitrite	mg/L	Once per month during rain event	1	N/A	N/A	0.16	N/A
		12/11/20	Nitrogen (total)	mg/L	Once per month during rain event	1	N/A	N/A	14.2	N/A
		12/11/20	pH	pH	Once per month during rain event	1	N/A	N/A	7.26	N/A
		12/11/20	Phosphate	mg/L	Once per month during rain event	1	N/A	N/A	1.44	N/A
		12/11/20	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	1	N/A	N/A	0.06	N/A
		12/11/20	Phosphorus (total)	mg/L	Once per month during rain event	1	N/A	N/A	0.47	N/A
		12/11/20	TKN	mg/L	Once per month during rain event	1	N/A	N/A	5.8	N/A
		12/11/20	TSS	mg/L	Once per month during rain event	1	N/A	N/A	60	N/A
		12/11/20	Flow	kL/Day	Daily during discharge	21	1	100	22	1043
		11	Catchment 2 - Admin/NH3	12/11/20	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A
12/11/20	Arsenic			mg/L	Once per month during rain event	1	N/A	N/A	0.005	N/A
12/11/20	Chromium (hexavalent)			mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
12/11/20	Nitrate			mg/L	Once per month during rain event	1	N/A	N/A	17	N/A
12/11/20	Nitrite			mg/L	Once per month during rain event	1	N/A	N/A	0.43	N/A
12/11/20	Nitrogen (total)			mg/L	Once per month during rain event	1	N/A	N/A	26.0	N/A
12/11/20	pH			pH	Once per month during rain event	1	N/A	N/A	6.76	N/A
12/11/20	Phosphate			mg/L	Once per month during rain event	1	N/A	N/A	0.86	N/A
12/11/20	Phosphorus (dissolved reactive)			mg/L	Once per month during rain event	1	N/A	N/A	0.07	N/A
12/11/20	Phosphorus (total)			mg/L	Once per month during rain event	1	N/A	N/A	0.28	N/A
12/11/20	TKN			mg/L	Once per month during rain event	1	N/A	N/A	8.6	N/A
12/11/20	TSS			mg/L	Once per month during rain event	1	N/A	N/A	30	N/A
12/11/20	Flow			kL/Day	Daily during discharge	10	1	174	25	1358
12	Catchment 3 - Ammonia			12/11/20	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A
		12/11/20	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	0.005	N/A
		12/11/20	Chromium (hexavalent)	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
		12/11/20	Nitrate	mg/L	Once per month during rain event	1	N/A	N/A	7.01	N/A
		12/11/20	Nitrite	mg/L	Once per month during rain event	1	N/A	N/A	0.09	N/A
		12/11/20	Nitrogen (total)	mg/L	Once per month during rain event	1	N/A	N/A	9.6	N/A
		12/11/20	pH	pH	Once per month during rain event	1	N/A	N/A	7.04	N/A
		12/11/20	Phosphate	mg/L	Once per month during rain event	1	N/A	N/A	3.98	N/A
		12/11/20	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	1	N/A	N/A	0.07	N/A
		12/11/20	Phosphorus (total)	mg/L	Once per month during rain event	1	N/A	N/A	1.30	N/A
		12/11/20	TKN	mg/L	Once per month during rain event	1	N/A	N/A	2.5	N/A
		12/11/20	TSS	mg/L	Once per month during rain event	1	N/A	N/A	119	N/A
		12/11/20	Flow	kL/Day	Daily during discharge	6	3	261	18	1383

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Concentration Limit: See licence M2.3

Monthly Summary: October 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	12/11/20	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	48.9	N/A
		12/11/20	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	0.002	N/A
		12/11/20	Chromium (hexavalent)	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
		12/11/20	Nitrate	mg/L	Once per month during rain event	1	N/A	N/A	55.2	N/A
		12/11/20	Nitrite	mg/L	Once per month during rain event	1	N/A	N/A	0.25	N/A
		12/11/20	Nitrogen (total)	mg/L	Once per month during rain event	1	N/A	N/A	106.0	N/A
		12/11/20	pH	pH	Once per month during rain event	1	N/A	N/A	6.67	N/A
		12/11/20	Phosphate	mg/L	Once per month during rain event	1	N/A	N/A	1.28	N/A
		12/11/20	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	1	N/A	N/A	0.06	N/A
		12/11/20	Phosphorus (total)	mg/L	Once per month during rain event	1	N/A	N/A	0.42	N/A
		12/11/20	TKN	mg/L	Once per month during rain event	1	N/A	N/A	50.3	N/A
		12/11/20	TSS	mg/L	Once per month during rain event	1	N/A	N/A	81	N/A
		12/11/20	Flow	kL/Day	Daily during discharge	4	12	498	63	1846
		14	Catchment 5 - Bagging South	12/11/20	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A
12/11/20	Arsenic			mg/L	Once per month during rain event	1	N/A	N/A	0.002	N/A
12/11/20	Chromium (hexavalent)			mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
12/11/20	Nitrate			mg/L	Once per month during rain event	1	N/A	N/A	58.00	N/A
12/11/20	Nitrite			mg/L	Once per month during rain event	1	N/A	N/A	0.150	N/A
12/11/20	Nitrogen (total)			mg/L	Once per month during rain event	1	N/A	N/A	108.0	N/A
12/11/20	pH			pH	Once per month during rain event	1	N/A	N/A	5.95	N/A
12/11/20	Phosphate			mg/L	Once per month during rain event	1	N/A	N/A	1.53	N/A
12/11/20	Phosphorus (dissolved reactive)			mg/L	Once per month during rain event	1	N/A	N/A	<0.05	N/A
12/11/20	Phosphorus (total)			mg/L	Once per month during rain event	1	N/A	N/A	0.50	N/A
12/11/20	TKN			mg/L	Once per month during rain event	1	N/A	N/A	49.6	N/A
12/11/20	TSS			mg/L	Once per month during rain event	1	N/A	N/A	123	N/A
12/11/20	Flow			kL/Day	Daily during discharge	2	15	472	472	929
15	Catchment 6 - Bagging North			12/11/20	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A
		12/11/20	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	<0.001	N/A
		12/11/20	Chromium (hexavalent)	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
		12/11/20	Nitrate	mg/L	Once per month during rain event	1	N/A	N/A	9.51	N/A
		12/11/20	Nitrite	mg/L	Once per month during rain event	1	N/A	N/A	<0.05	N/A
		12/11/20	Nitrogen (total)	mg/L	Once per month during rain event	1	N/A	N/A	18.8	N/A
		12/11/20	pH	pH	Once per month during rain event	1	N/A	N/A	6.60	N/A
		12/11/20	Phosphate	mg/L	Once per month during rain event	1	N/A	N/A	1.04	N/A
		12/11/20	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	1	N/A	N/A	<0.05	N/A
		12/11/20	Phosphorus (total)	mg/L	Once per month during rain event	1	N/A	N/A	0.34	N/A
		12/11/20	TKN	mg/L	Once per month during rain event	1	N/A	N/A	9.20	N/A
		12/11/20	TSS	mg/L	Once per month during rain event	1	N/A	N/A	39	N/A
		12/11/20	Flow	kL/Day	Daily during discharge	No discharge recorded at Catchment 6	N/A	N/A	N/A	N/A

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Concentration Limit: See licence M2.3

Monthly Summary: September 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	8/10/20	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	18.20	N/A
		8/10/20	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	0.006	N/A
		8/10/20	Chromium (hexavalent)	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
		8/10/20	Nitrate	mg/L	Once per month during rain event	1	N/A	N/A	28.6	N/A
		8/10/20	Nitrite	mg/L	Once per month during rain event	1	N/A	N/A	0.45	N/A
		8/10/20	Nitrogen (total)	mg/L	Once per month during rain event	1	N/A	N/A	46.1	N/A
		8/10/20	pH	pH	Once per month during rain event	1	N/A	N/A	6.53	N/A
		8/10/20	Phosphate	mg/L	Once per month during rain event	1	N/A	N/A	3.59	N/A
		8/10/20	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	1	N/A	N/A	0.16	N/A
		8/10/20	Phosphorus (total)	mg/L	Once per month during rain event	1	N/A	N/A	1.17	N/A
		8/10/20	TKN	mg/L	Once per month during rain event	1	N/A	N/A	17.0	N/A
		8/10/20	TSS	mg/L	Once per month during rain event	1	N/A	N/A	102	N/A
		8/10/20	Flow	kL/Day	Daily during discharge	16	2	12	6	55
		11	Catchment 2 - Admin/NH3	8/10/20	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A
8/10/20	Arsenic			mg/L	Once per month during rain event	1	N/A	N/A	0.007	N/A
8/10/20	Chromium (hexavalent)			mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
8/10/20	Nitrate			mg/L	Once per month during rain event	1	N/A	N/A	10.6	N/A
8/10/20	Nitrite			mg/L	Once per month during rain event	1	N/A	N/A	0.24	N/A
8/10/20	Nitrogen (total)			mg/L	Once per month during rain event	1	N/A	N/A	18.0	N/A
8/10/20	pH			pH	Once per month during rain event	1	N/A	N/A	6.70	N/A
8/10/20	Phosphate			mg/L	Once per month during rain event	1	N/A	N/A	0.97	N/A
8/10/20	Phosphorus (dissolved reactive)			mg/L	Once per month during rain event	1	N/A	N/A	0.06	N/A
8/10/20	Phosphorus (total)			mg/L	Once per month during rain event	1	N/A	N/A	0.32	N/A
8/10/20	TKN			mg/L	Once per month during rain event	1	N/A	N/A	7.2	N/A
8/10/20	TSS			mg/L	Once per month during rain event	1	N/A	N/A	42	N/A
8/10/20	Flow			kL/Day	Daily during discharge	6	4	23	20	39
12	Catchment 3 - Ammonia			8/10/20	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A
		8/10/20	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	0.010	N/A
		8/10/20	Chromium (hexavalent)	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
		8/10/20	Nitrate	mg/L	Once per month during rain event	1	N/A	N/A	6.57	N/A
		8/10/20	Nitrite	mg/L	Once per month during rain event	1	N/A	N/A	0.13	N/A
		8/10/20	Nitrogen (total)	mg/L	Once per month during rain event	1	N/A	N/A	9.2	N/A
		8/10/20	pH	pH	Once per month during rain event	1	N/A	N/A	7.05	N/A
		8/10/20	Phosphate	mg/L	Once per month during rain event	1	N/A	N/A	1.92	N/A
		8/10/20	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	1	N/A	N/A	0.10	N/A
		8/10/20	Phosphorus (total)	mg/L	Once per month during rain event	1	N/A	N/A	0.63	N/A
		8/10/20	TKN	mg/L	Once per month during rain event	1	N/A	N/A	2.5	N/A
		8/10/20	TSS	mg/L	Once per month during rain event	1	N/A	N/A	56	N/A
		8/10/20	Flow	kL/Day	Daily during discharge	4	5	6	7	7

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: September 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	8/10/20	Ammonia	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A
		8/10/20	Arsenic	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A
		8/10/20	Chromium (hexavalent)	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A
		8/10/20	Nitrate	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A
		8/10/20	Nitrite	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A
		8/10/20	Nitrogen (total)	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A
		8/10/20	pH	pH	Once per month during rain event	0	N/A	N/A	N/A	N/A
		8/10/20	Phosphate	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A
		8/10/20	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A
		8/10/20	Phosphorus (total)	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A
		8/10/20	TKN	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A
		8/10/20	TSS	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A
		8/10/20	Flow	kL/Day	Daily during discharge	No discharge recorded at Catchment 4	N/A	N/A	N/A	N/A
		14	Catchment 5 - Bagging South	8/10/20	Ammonia	mg/L	Once per month during rain event	0	N/A	N/A
8/10/20	Arsenic			mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A
8/10/20	Chromium (hexavalent)			mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A
8/10/20	Nitrate			mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A
8/10/20	Nitrite			mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A
8/10/20	Nitrogen (total)			mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A
8/10/20	pH			pH	Once per month during rain event	0	N/A	N/A	N/A	N/A
8/10/20	Phosphate			mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A
8/10/20	Phosphorus (dissolved reactive)			mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A
8/10/20	Phosphorus (total)			mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A
8/10/20	TKN			mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A
8/10/20	TSS			mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A
8/10/20	Flow			kL/Day	Daily during discharge	No discharge recorded at Catchment 5	N/A	N/A	N/A	N/A
15	Catchment 6 - Bagging North			8/10/20	Ammonia	mg/L	Once per month during rain event	0	N/A	N/A
		8/10/20	Arsenic	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A
		8/10/20	Chromium (hexavalent)	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A
		8/10/20	Nitrate	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A
		8/10/20	Nitrite	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A
		8/10/20	Nitrogen (total)	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A
		8/10/20	pH	pH	Once per month during rain event	0	N/A	N/A	N/A	N/A
		8/10/20	Phosphate	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A
		8/10/20	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A
		8/10/20	Phosphorus (total)	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A
		8/10/20	TKN	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A
		8/10/20	TSS	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A
		8/10/20	Flow	kL/Day	Daily during discharge	No discharge recorded at Catchment 6	N/A	N/A	N/A	N/A

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Concentration Limit: See licence M2.3

Monthly Summary: August 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	7/09/20	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	6.32	N/A
		7/09/20	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	0.005	N/A
		7/09/20	Chromium (hexavalent)	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
		7/09/20	Nitrate	mg/L	Once per month during rain event	1	N/A	N/A	8.5	N/A
		7/09/20	Nitrite	mg/L	Once per month during rain event	1	N/A	N/A	0.29	N/A
		7/09/20	Nitrogen (total)	mg/L	Once per month during rain event	1	N/A	N/A	14.5	N/A
		7/09/20	pH	pH	Once per month during rain event	1	N/A	N/A	7.26	N/A
		7/09/20	Phosphate	mg/L	Once per month during rain event	1	N/A	N/A	2.56	N/A
		7/09/20	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	1	N/A	N/A	0.11	N/A
		7/09/20	Phosphorus (total)	mg/L	Once per month during rain event	1	N/A	N/A	0.83	N/A
		7/09/20	TKN	mg/L	Once per month during rain event	1	N/A	N/A	5.7	N/A
		7/09/20	TSS	mg/L	Once per month during rain event	1	N/A	N/A	88	N/A
		7/09/20	Flow	kL/Day	Daily during discharge	15	3	19	12	105
		11	Catchment 2 - Admin/NH3	7/09/20	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A
7/09/20	Arsenic			mg/L	Once per month during rain event	1	N/A	N/A	0.004	N/A
7/09/20	Chromium (hexavalent)			mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
7/09/20	Nitrate			mg/L	Once per month during rain event	1	N/A	N/A	4.83	N/A
7/09/20	Nitrite			mg/L	Once per month during rain event	1	N/A	N/A	0.10	N/A
7/09/20	Nitrogen (total)			mg/L	Once per month during rain event	1	N/A	N/A	6.8	N/A
7/09/20	pH			pH	Once per month during rain event	1	N/A	N/A	7.36	N/A
7/09/20	Phosphate			mg/L	Once per month during rain event	1	N/A	N/A	0.39	N/A
7/09/20	Phosphorus (dissolved reactive)			mg/L	Once per month during rain event	1	N/A	N/A	<0.05	N/A
7/09/20	Phosphorus (total)			mg/L	Once per month during rain event	1	N/A	N/A	0.13	N/A
7/09/20	TKN			mg/L	Once per month during rain event	1	N/A	N/A	1.9	N/A
7/09/20	TSS			mg/L	Once per month during rain event	1	N/A	N/A	12	N/A
7/09/20	Flow			kL/Day	Daily during discharge	5	2	20	9	66
12	Catchment 3 - Ammonia			7/09/20	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A
		7/09/20	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	0.009	N/A
		7/09/20	Chromium (hexavalent)	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
		7/09/20	Nitrate	mg/L	Once per month during rain event	1	N/A	N/A	5.04	N/A
		7/09/20	Nitrite	mg/L	Once per month during rain event	1	N/A	N/A	0.07	N/A
		7/09/20	Nitrogen (total)	mg/L	Once per month during rain event	1	N/A	N/A	6.3	N/A
		7/09/20	pH	pH	Once per month during rain event	1	N/A	N/A	7.37	N/A
		7/09/20	Phosphate	mg/L	Once per month during rain event	1	N/A	N/A	2.86	N/A
		7/09/20	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	1	N/A	N/A	0.07	N/A
		7/09/20	Phosphorus (total)	mg/L	Once per month during rain event	1	N/A	N/A	0.93	N/A
		7/09/20	TKN	mg/L	Once per month during rain event	1	N/A	N/A	1.2	N/A
		7/09/20	TSS	mg/L	Once per month during rain event	1	N/A	N/A	71	N/A
		7/09/20	Flow	kL/Day	Daily during discharge	3	2	16	3	43

Details of Licence Conditions

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Concentration Limit: See licence M2.3

Monthly Summary: August 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	7/09/20	Ammonia	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A
		7/09/20	Arsenic	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A
		7/09/20	Chromium (hexavalent)	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A
		7/09/20	Nitrate	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A
		7/09/20	Nitrite	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A
		7/09/20	Nitrogen (total)	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A
		7/09/20	pH	pH	Once per month during rain event	0	N/A	N/A	N/A	N/A
		7/09/20	Phosphate	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A
		7/09/20	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A
		7/09/20	Phosphorus (total)	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A
		7/09/20	TKN	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A
		7/09/20	TSS	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A
		7/09/20	Flow	kL/Day	Daily during discharge	No discharge recorded at Catchment 4	N/A	N/A	N/A	N/A
		14	Catchment 5 - Bagging South	7/09/20	Ammonia	mg/L	Once per month during rain event	0	N/A	N/A
7/09/20	Arsenic			mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A
7/09/20	Chromium (hexavalent)			mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A
7/09/20	Nitrate			mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A
7/09/20	Nitrite			mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A
7/09/20	Nitrogen (total)			mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A
7/09/20	pH			pH	Once per month during rain event	0	N/A	N/A	N/A	N/A
7/09/20	Phosphate			mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A
7/09/20	Phosphorus (dissolved reactive)			mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A
7/09/20	Phosphorus (total)			mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A
7/09/20	TKN			mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A
7/09/20	TSS			mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A
7/09/20	Flow			kL/Day	Daily during discharge	No discharge recorded at Catchment 5	N/A	N/A	N/A	N/A
15	Catchment 6 - Bagging North			7/09/20	Ammonia	mg/L	Once per month during rain event	0	N/A	N/A
		7/09/20	Arsenic	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A
		7/09/20	Chromium (hexavalent)	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A
		7/09/20	Nitrate	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A
		7/09/20	Nitrite	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A
		7/09/20	Nitrogen (total)	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A
		7/09/20	pH	pH	Once per month during rain event	0	N/A	N/A	N/A	N/A
		7/09/20	Phosphate	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A
		7/09/20	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A
		7/09/20	Phosphorus (total)	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A
		7/09/20	TKN	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A
		7/09/20	TSS	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A
		7/09/20	Flow	kL/Day	Daily during discharge	No discharge recorded at Catchment 6	N/A	N/A	N/A	N/A

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Concentration Limit: See licence M2.3

Monthly Summary: July 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	13/08/20	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	3.64	N/A
		13/08/20	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	0.009	N/A
		13/08/20	Chromium (hexavalent)	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
		13/08/20	Nitrate	mg/L	Once per month during rain event	1	N/A	N/A	8.1	N/A
		13/08/20	Nitrite	mg/L	Once per month during rain event	1	N/A	N/A	0.13	N/A
		13/08/20	Nitrogen (total)	mg/L	Once per month during rain event	1	N/A	N/A	12.6	N/A
		13/08/20	pH	pH	Once per month during rain event	1	N/A	N/A	7.58	N/A
		13/08/20	Phosphate	mg/L	Once per month during rain event	1	N/A	N/A	2.08	N/A
		13/08/20	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	1	N/A	N/A	0.11	N/A
		13/08/20	Phosphorus (total)	mg/L	Once per month during rain event	1	N/A	N/A	0.68	N/A
		13/08/20	TKN	mg/L	Once per month during rain event	1	N/A	N/A	4.4	N/A
		13/08/20	TSS	mg/L	Once per month during rain event	1	N/A	N/A	97	N/A
		13/08/20	Flow	kL/Day	Daily during discharge	21	1	128	15	1591
		11	Catchment 2 - Admin/NH3	13/08/20	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A
13/08/20	Arsenic			mg/L	Once per month during rain event	1	N/A	N/A	0.002	N/A
13/08/20	Chromium (hexavalent)			mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
13/08/20	Nitrate			mg/L	Once per month during rain event	1	N/A	N/A	4.47	N/A
13/08/20	Nitrite			mg/L	Once per month during rain event	1	N/A	N/A	0.15	N/A
13/08/20	Nitrogen (total)			mg/L	Once per month during rain event	1	N/A	N/A	6.3	N/A
13/08/20	pH			pH	Once per month during rain event	1	N/A	N/A	6.90	N/A
13/08/20	Phosphate			mg/L	Once per month during rain event	1	N/A	N/A	0.42	N/A
13/08/20	Phosphorus (dissolved reactive)			mg/L	Once per month during rain event	1	N/A	N/A	<0.05	N/A
13/08/20	Phosphorus (total)			mg/L	Once per month during rain event	1	N/A	N/A	0.14	N/A
13/08/20	TKN			mg/L	Once per month during rain event	1	N/A	N/A	1.7	N/A
13/08/20	TSS			mg/L	Once per month during rain event	1	N/A	N/A	25	N/A
13/08/20	Flow			kL/Day	Daily during discharge	7	2	316	120	1546
12	Catchment 3 - Ammonia			13/08/20	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A
		13/08/20	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	0.008	N/A
		13/08/20	Chromium (hexavalent)	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
		13/08/20	Nitrate	mg/L	Once per month during rain event	1	N/A	N/A	4.59	N/A
		13/08/20	Nitrite	mg/L	Once per month during rain event	1	N/A	N/A	<0.05	N/A
		13/08/20	Nitrogen (total)	mg/L	Once per month during rain event	1	N/A	N/A	5.7	N/A
		13/08/20	pH	pH	Once per month during rain event	1	N/A	N/A	7.02	N/A
		13/08/20	Phosphate	mg/L	Once per month during rain event	1	N/A	N/A	2.41	N/A
		13/08/20	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	1	N/A	N/A	0.07	N/A
		13/08/20	Phosphorus (total)	mg/L	Once per month during rain event	1	N/A	N/A	0.78	N/A
		13/08/20	TKN	mg/L	Once per month during rain event	1	N/A	N/A	1.1	N/A
		13/08/20	TSS	mg/L	Once per month during rain event	1	N/A	N/A	68	N/A
		13/08/20	Flow	kL/Day	Daily during discharge	6	15	365	127	1671

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Concentration Limit: See licence M2.3

Monthly Summary: July 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	13/08/20	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	62.30	N/A
		13/08/20	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	<0.001	N/A
		13/08/20	Chromium (hexavalent)	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
		13/08/20	Nitrate	mg/L	Once per month during rain event	1	N/A	N/A	79.7	N/A
		13/08/20	Nitrite	mg/L	Once per month during rain event	1	N/A	N/A	0.24	N/A
		13/08/20	Nitrogen (total)	mg/L	Once per month during rain event	1	N/A	N/A	136.0	N/A
		13/08/20	pH	pH	Once per month during rain event	1	N/A	N/A	6.96	N/A
		13/08/20	Phosphate	mg/L	Once per month during rain event	1	N/A	N/A	0.42	N/A
		13/08/20	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	1	N/A	N/A	<0.05	N/A
		13/08/20	Phosphorus (total)	mg/L	Once per month during rain event	1	N/A	N/A	0.14	N/A
		13/08/20	TKN	mg/L	Once per month during rain event	1	N/A	N/A	56.1	N/A
		13/08/20	TSS	mg/L	Once per month during rain event	1	N/A	N/A	32	N/A
		13/08/20	Flow	kL/Day	Daily during discharge	4	13	117	122	210
14	Catchment 5 - Bagging South	13/08/20	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	57.30	N/A
		13/08/20	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	<0.001	N/A
		13/08/20	Chromium (hexavalent)	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
		13/08/20	Nitrate	mg/L	Once per month during rain event	1	N/A	N/A	74.8	N/A
		13/08/20	Nitrite	mg/L	Once per month during rain event	1	N/A	N/A	0.08	N/A
		13/08/20	Nitrogen (total)	mg/L	Once per month during rain event	1	N/A	N/A	123.0	N/A
		13/08/20	pH	pH	Once per month during rain event	1	N/A	N/A	5.45	N/A
		13/08/20	Phosphate	mg/L	Once per month during rain event	1	N/A	N/A	0.47	N/A
		13/08/20	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	1	N/A	N/A	0.05	N/A
		13/08/20	Phosphorus (total)	mg/L	Once per month during rain event	1	N/A	N/A	0.15	N/A
		13/08/20	TKN	mg/L	Once per month during rain event	1	N/A	N/A	48.1	N/A
		13/08/20	TSS	mg/L	Once per month during rain event	1	N/A	N/A	33	N/A
		13/08/20	Flow	kL/Day	Daily during discharge	3	62	406	162	993
15	Catchment 6 - Bagging North	13/08/20	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	25.10	N/A
		13/08/20	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	0.002	N/A
		13/08/20	Chromium (hexavalent)	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
		13/08/20	Nitrate	mg/L	Once per month during rain event	1	N/A	N/A	32.9	N/A
		13/08/20	Nitrite	mg/L	Once per month during rain event	1	N/A	N/A	<0.05	N/A
		13/08/20	Nitrogen (total)	mg/L	Once per month during rain event	1	N/A	N/A	58.5	N/A
		13/08/20	pH	pH	Once per month during rain event	1	N/A	N/A	6.82	N/A
		13/08/20	Phosphate	mg/L	Once per month during rain event	1	N/A	N/A	1.13	N/A
		13/08/20	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	1	N/A	N/A	<0.05	N/A
		13/08/20	Phosphorus (total)	mg/L	Once per month during rain event	1	N/A	N/A	0.37	N/A
		13/08/20	TKN	mg/L	Once per month during rain event	1	N/A	N/A	25.6	N/A
		13/08/20	TSS	mg/L	Once per month during rain event	1	N/A	N/A	107	N/A
		13/08/20	Flow	kL/Day	Daily during discharge	4	29	179	52	581

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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 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	14/07/20	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	1.60	N/A
		14/07/20	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	0.008	N/A
		14/07/20	Chromium (hexavalent)	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
		14/07/20	Nitrate	mg/L	Once per month during rain event	1	N/A	N/A	6.3	N/A
		14/07/20	Nitrite	mg/L	Once per month during rain event	1	N/A	N/A	0.45	N/A
		14/07/20	Nitrogen (total)	mg/L	Once per month during rain event	1	N/A	N/A	9.1	N/A
		14/07/20	pH	pH	Once per month during rain event	1	N/A	N/A	8.35	N/A
		14/07/20	Phosphate	mg/L	Once per month during rain event	1	N/A	N/A	4.29	N/A
		14/07/20	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	1	N/A	N/A	0.12	N/A
		14/07/20	Phosphorus (total)	mg/L	Once per month during rain event	1	N/A	N/A	1.40	N/A
		14/07/20	TKN	mg/L	Once per month during rain event	1	N/A	N/A	2.4	N/A
		14/07/20	TSS	mg/L	Once per month during rain event	1	N/A	N/A	216	N/A
		14/07/20	Flow	kL/Day	Daily during discharge	18	1	42	7	223
		11	Catchment 2 - Admin/NH3	14/07/20	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A
14/07/20	Arsenic			mg/L	Once per month during rain event	1	N/A	N/A	0.001	N/A
14/07/20	Chromium (hexavalent)			mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
14/07/20	Nitrate			mg/L	Once per month during rain event	1	N/A	N/A	5.24	N/A
14/07/20	Nitrite			mg/L	Once per month during rain event	1	N/A	N/A	0.16	N/A
14/07/20	Nitrogen (total)			mg/L	Once per month during rain event	1	N/A	N/A	9.2	N/A
14/07/20	pH			pH	Once per month during rain event	1	N/A	N/A	6.95	N/A
14/07/20	Phosphate			mg/L	Once per month during rain event	1	N/A	N/A	0.61	N/A
14/07/20	Phosphorus (dissolved reactive)			mg/L	Once per month during rain event	1	N/A	N/A	<0.05	N/A
14/07/20	Phosphorus (total)			mg/L	Once per month during rain event	1	N/A	N/A	0.20	N/A
14/07/20	TKN			mg/L	Once per month during rain event	1	N/A	N/A	3.8	N/A
14/07/20	TSS			mg/L	Once per month during rain event	1	N/A	N/A	27	N/A
14/07/20	Flow			kL/Day	Daily during discharge	5	59	101	113	121
12	Catchment 3 - Ammonia			14/07/20	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A
		14/07/20	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	0.008	N/A
		14/07/20	Chromium (hexavalent)	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
		14/07/20	Nitrate	mg/L	Once per month during rain event	1	N/A	N/A	6.70	N/A
		14/07/20	Nitrite	mg/L	Once per month during rain event	1	N/A	N/A	1.00	N/A
		14/07/20	Nitrogen (total)	mg/L	Once per month during rain event	1	N/A	N/A	10.5	N/A
		14/07/20	pH	pH	Once per month during rain event	1	N/A	N/A	7.03	N/A
		14/07/20	Phosphate	mg/L	Once per month during rain event	1	N/A	N/A	2.27	N/A
		14/07/20	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	1	N/A	N/A	0.08	N/A
		14/07/20	Phosphorus (total)	mg/L	Once per month during rain event	1	N/A	N/A	0.74	N/A
		14/07/20	TKN	mg/L	Once per month during rain event	1	N/A	N/A	2.8	N/A
		14/07/20	TSS	mg/L	Once per month during rain event	1	N/A	N/A	39	N/A
		14/07/20	Flow	kL/Day	Daily during discharge	5	40	81	86	108

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Concentration Limit: See licence M2.3

Monthly Summary: June 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	14/07/20	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	37	N/A
		14/07/20	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	<0.001	N/A
		14/07/20	Chromium (hexavalent)	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
		14/07/20	Nitrate	mg/L	Once per month during rain event	1	N/A	N/A	47	N/A
		14/07/20	Nitrite	mg/L	Once per month during rain event	1	N/A	N/A	1	N/A
		14/07/20	Nitrogen (total)	mg/L	Once per month during rain event	1	N/A	N/A	78	N/A
		14/07/20	pH	pH	Once per month during rain event	1	N/A	N/A	7	N/A
		14/07/20	Phosphate	mg/L	Once per month during rain event	1	N/A	N/A	0	N/A
		14/07/20	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	1	N/A	N/A	<0.05	N/A
		14/07/20	Phosphorus (total)	mg/L	Once per month during rain event	1	N/A	N/A	0	N/A
		14/07/20	TKN	mg/L	Once per month during rain event	1	N/A	N/A	30	N/A
		14/07/20	TSS	mg/L	Once per month during rain event	1	N/A	N/A	<5	N/A
		14/07/20	Flow	kL/Day	Daily during discharge	5	22	72	60	139
		14	Catchment 5 - Bagging South	14/07/20	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A
14/07/20	Arsenic			mg/L	Once per month during rain event	1	N/A	N/A	<0.001	N/A
14/07/20	Chromium (hexavalent)			mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
14/07/20	Nitrate			mg/L	Once per month during rain event	1	N/A	N/A	26	N/A
14/07/20	Nitrite			mg/L	Once per month during rain event	1	N/A	N/A	1	N/A
14/07/20	Nitrogen (total)			mg/L	Once per month during rain event	1	N/A	N/A	46	N/A
14/07/20	pH			pH	Once per month during rain event	1	N/A	N/A	8	N/A
14/07/20	Phosphate			mg/L	Once per month during rain event	1	N/A	N/A	0	N/A
14/07/20	Phosphorus (dissolved reactive)			mg/L	Once per month during rain event	1	N/A	N/A	<0.05	N/A
14/07/20	Phosphorus (total)			mg/L	Once per month during rain event	1	N/A	N/A	0	N/A
14/07/20	TKN			mg/L	Once per month during rain event	1	N/A	N/A	20	N/A
14/07/20	TSS			mg/L	Once per month during rain event	1	N/A	N/A	<5	N/A
14/07/20	Flow			kL/Day	Daily during discharge	2	14	33	33	53
15	Catchment 6 - Bagging North			14/07/20	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A
		14/07/20	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	<0.001	N/A
		14/07/20	Chromium (hexavalent)	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
		14/07/20	Nitrate	mg/L	Once per month during rain event	1	N/A	N/A	3	N/A
		14/07/20	Nitrite	mg/L	Once per month during rain event	1	N/A	N/A	0	N/A
		14/07/20	Nitrogen (total)	mg/L	Once per month during rain event	1	N/A	N/A	4	N/A
		14/07/20	pH	pH	Once per month during rain event	1	N/A	N/A	8	N/A
		14/07/20	Phosphate	mg/L	Once per month during rain event	1	N/A	N/A	<0.05	N/A
		14/07/20	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	1	N/A	N/A	<0.05	N/A
		14/07/20	Phosphorus (total)	mg/L	Once per month during rain event	1	N/A	N/A	<0.05	N/A
		14/07/20	TKN	mg/L	Once per month during rain event	1	N/A	N/A	1	N/A
		14/07/20	TSS	mg/L	Once per month during rain event	1	N/A	N/A	<5	N/A
		14/07/20	Flow	kL/Day	Daily during discharge	1	1	1	1	1

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Concentration Limit: See licence M2.3

Monthly Summary: May 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	18/06/20	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	3.30	N/A
		18/06/20	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	0.004	N/A
		18/06/20	Chromium (hexavalent)	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
		18/06/20	Nitrate	mg/L	Once per month during rain event	1	N/A	N/A	6.2	N/A
		18/06/20	Nitrite	mg/L	Once per month during rain event	1	N/A	N/A	0.40	N/A
		18/06/20	Nitrogen (total)	mg/L	Once per month during rain event	1	N/A	N/A	11.4	N/A
		18/06/20	pH	pH	Once per month during rain event	1	N/A	N/A	7.54	N/A
		18/06/20	Phosphate	mg/L	Once per month during rain event	1	N/A	N/A	2.91	N/A
		18/06/20	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	1	N/A	N/A	0.44	N/A
		18/06/20	Phosphorus (total)	mg/L	Once per month during rain event	1	N/A	N/A	0.95	N/A
		18/06/20	TKN	mg/L	Once per month during rain event	1	N/A	N/A	4.8	N/A
		18/06/20	TSS	mg/L	Once per month during rain event	1	N/A	N/A	92	N/A
		18/06/20	Flow	kL/Day	Daily during discharge	22	2	81	83	316
		11	Catchment 2 - Admin/NH3	18/06/20	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A
18/06/20	Arsenic			mg/L	Once per month during rain event	1	N/A	N/A	0.003	N/A
18/06/20	Chromium (hexavalent)			mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
18/06/20	Nitrate			mg/L	Once per month during rain event	1	N/A	N/A	15.6	N/A
18/06/20	Nitrite			mg/L	Once per month during rain event	1	N/A	N/A	0.24	N/A
18/06/20	Nitrogen (total)			mg/L	Once per month during rain event	1	N/A	N/A	25.8	N/A
18/06/20	pH			pH	Once per month during rain event	1	N/A	N/A	6.50	N/A
18/06/20	Phosphate			mg/L	Once per month during rain event	1	N/A	N/A	1.26	N/A
18/06/20	Phosphorus (dissolved reactive)			mg/L	Once per month during rain event	1	N/A	N/A	0.14	N/A
18/06/20	Phosphorus (total)			mg/L	Once per month during rain event	1	N/A	N/A	0.41	N/A
18/06/20	TKN			mg/L	Once per month during rain event	1	N/A	N/A	10	N/A
18/06/20	TSS			mg/L	Once per month during rain event	1	N/A	N/A	49	N/A
18/06/20	Flow			kL/Day	Daily during discharge	9	3	62	31	250
12	Catchment 3 - Ammonia			18/06/20	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A
		18/06/20	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	0.011	N/A
		18/06/20	Chromium (hexavalent)	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
		18/06/20	Nitrate	mg/L	Once per month during rain event	1	N/A	N/A	7.23	N/A
		18/06/20	Nitrite	mg/L	Once per month during rain event	1	N/A	N/A	0.23	N/A
		18/06/20	Nitrogen (total)	mg/L	Once per month during rain event	1	N/A	N/A	11.1	N/A
		18/06/20	pH	pH	Once per month during rain event	1	N/A	N/A	6.58	N/A
		18/06/20	Phosphate	mg/L	Once per month during rain event	1	N/A	N/A	3.98	N/A
		18/06/20	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	1	N/A	N/A	0.13	N/A
		18/06/20	Phosphorus (total)	mg/L	Once per month during rain event	1	N/A	N/A	1.30	N/A
		18/06/20	TKN	mg/L	Once per month during rain event	1	N/A	N/A	3.6	N/A
		18/06/20	TSS	mg/L	Once per month during rain event	1	N/A	N/A	125	N/A
		18/06/20	Flow	kL/Day	Daily during discharge	8	6	57	32	211

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Concentration Limit: See licence M2.3

Monthly Summary: May 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	18/06/20	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	47	N/A
		18/06/20	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	<0.001	N/A
		18/06/20	Chromium (hexavalent)	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
		18/06/20	Nitrate	mg/L	Once per month during rain event	1	N/A	N/A	53	N/A
		18/06/20	Nitrite	mg/L	Once per month during rain event	1	N/A	N/A	0	N/A
		18/06/20	Nitrogen (total)	mg/L	Once per month during rain event	1	N/A	N/A	116	N/A
		18/06/20	pH	pH	Once per month during rain event	1	N/A	N/A	7	N/A
		18/06/20	Phosphate	mg/L	Once per month during rain event	1	N/A	N/A	1	N/A
		18/06/20	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	1	N/A	N/A	<0.05	N/A
		18/06/20	Phosphorus (total)	mg/L	Once per month during rain event	1	N/A	N/A	0	N/A
		18/06/20	TKN	mg/L	Once per month during rain event	1	N/A	N/A	63	N/A
		18/06/20	TSS	mg/L	Once per month during rain event	1	N/A	N/A	43	N/A
		18/06/20	Flow	kL/Day	Daily during discharge	6	9	72	31	309
		14	Catchment 5 - Bagging South	18/06/20	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A
18/06/20	Arsenic			mg/L	Once per month during rain event	1	N/A	N/A	<0.001	N/A
18/06/20	Chromium (hexavalent)			mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
18/06/20	Nitrate			mg/L	Once per month during rain event	1	N/A	N/A	26	N/A
18/06/20	Nitrite			mg/L	Once per month during rain event	1	N/A	N/A	1	N/A
18/06/20	Nitrogen (total)			mg/L	Once per month during rain event	1	N/A	N/A	46	N/A
18/06/20	pH			pH	Once per month during rain event	1	N/A	N/A	8	N/A
18/06/20	Phosphate			mg/L	Once per month during rain event	1	N/A	N/A	0	N/A
18/06/20	Phosphorus (dissolved reactive)			mg/L	Once per month during rain event	1	N/A	N/A	<0.05	N/A
18/06/20	Phosphorus (total)			mg/L	Once per month during rain event	1	N/A	N/A	0	N/A
18/06/20	TKN			mg/L	Once per month during rain event	1	N/A	N/A	20	N/A
18/06/20	TSS			mg/L	Once per month during rain event	1	N/A	N/A	<5	N/A
18/06/20	Flow			kL/Day	Daily during discharge	5	1	24	13	80
15	Catchment 6 - Bagging North			18/06/20	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A
		18/06/20	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	<0.001	N/A
		18/06/20	Chromium (hexavalent)	mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
		18/06/20	Nitrate	mg/L	Once per month during rain event	1	N/A	N/A	3	N/A
		18/06/20	Nitrite	mg/L	Once per month during rain event	1	N/A	N/A	0	N/A
		18/06/20	Nitrogen (total)	mg/L	Once per month during rain event	1	N/A	N/A	4	N/A
		18/06/20	pH	pH	Once per month during rain event	1	N/A	N/A	8	N/A
		18/06/20	Phosphate	mg/L	Once per month during rain event	1	N/A	N/A	<0.05	N/A
		18/06/20	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	1	N/A	N/A	<0.05	N/A
		18/06/20	Phosphorus (total)	mg/L	Once per month during rain event	1	N/A	N/A	<0.05	N/A
		18/06/20	TKN	mg/L	Once per month during rain event	1	N/A	N/A	1	N/A
		18/06/20	TSS	mg/L	Once per month during rain event	1	N/A	N/A	<5	N/A
		18/06/20	Flow	kL/Day	Daily during discharge	2	4	13	13	22

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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 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	15/05/20	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	2.94	N/A
		15/05/20	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	0.005	N/A
		15/05/20	Chromium (hexavalent)	mg/L	Once per month during rain event	1	N/A	N/A	<0.1	N/A
		15/05/20	Nitrate	mg/L	Once per month during rain event	1	N/A	N/A	8.3	N/A
		15/05/20	Nitrite	mg/L	Once per month during rain event	1	N/A	N/A	0.13	N/A
		15/05/20	Nitrogen (total)	mg/L	Once per month during rain event	1	N/A	N/A	11.4	N/A
		15/05/20	pH	pH	Once per month during rain event	1	N/A	N/A	78.00	N/A
		15/05/20	Phosphate	mg/L	Once per month during rain event	1	N/A	N/A	1.93	N/A
		15/05/20	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	1	N/A	N/A	0.05	N/A
		15/05/20	Phosphorus (total)	mg/L	Once per month during rain event	1	N/A	N/A	0.63	N/A
		15/05/20	TKN	mg/L	Once per month during rain event	1	N/A	N/A	3.0	N/A
		15/05/20	TSS	mg/L	Once per month during rain event	1	N/A	N/A	117	N/A
		15/05/20	Flow	kL/Day	Daily during discharge	25	1	81	88	171
		11	Catchment 2 - Admin/NH3	15/05/20	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A
15/05/20	Arsenic			mg/L	Once per month during rain event	1	N/A	N/A	0.003	N/A
15/05/20	Chromium (hexavalent)			mg/L	Once per month during rain event	1	N/A	N/A	<0.01	N/A
15/05/20	Nitrate			mg/L	Once per month during rain event	1	N/A	N/A	2.7	N/A
15/05/20	Nitrite			mg/L	Once per month during rain event	1	N/A	N/A	0.10	N/A
15/05/20	Nitrogen (total)			mg/L	Once per month during rain event	1	N/A	N/A	3.6	N/A
15/05/20	pH			pH	Once per month during rain event	1	N/A	N/A	6.98	N/A
15/05/20	Phosphate			mg/L	Once per month during rain event	1	N/A	N/A	0.55	N/A
15/05/20	Phosphorus (dissolved reactive)			mg/L	Once per month during rain event	1	N/A	N/A	0.07	N/A
15/05/20	Phosphorus (total)			mg/L	Once per month during rain event	1	N/A	N/A	0.18	N/A
15/05/20	TKN			mg/L	Once per month during rain event	1	N/A	N/A	0.8	N/A
15/05/20	TSS			mg/L	Once per month during rain event	1	N/A	N/A	12	N/A
15/05/20	Flow			kL/Day	Daily during discharge	6	7	38	22	117
12	Catchment 3 - Ammonia			15/05/20	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A
		15/05/20	Arsenic	mg/L	Once per month during rain event	1	N/A	N/A	0.012	N/A
		15/05/20	Chromium (hexavalent)	mg/L	Once per month during rain event	1	N/A	N/A	<0.1	N/A
		15/05/20	Nitrate	mg/L	Once per month during rain event	1	N/A	N/A	3.20	N/A
		15/05/20	Nitrite	mg/L	Once per month during rain event	1	N/A	N/A	0.06	N/A
		15/05/20	Nitrogen (total)	mg/L	Once per month during rain event	1	N/A	N/A	7.0	N/A
		15/05/20	pH	pH	Once per month during rain event	1	N/A	N/A	7.21	N/A
		15/05/20	Phosphate	mg/L	Once per month during rain event	1	N/A	N/A	1.53	N/A
		15/05/20	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	1	N/A	N/A	0.13	N/A
		15/05/20	Phosphorus (total)	mg/L	Once per month during rain event	1	N/A	N/A	0.50	N/A
		15/05/20	TKN	mg/L	Once per month during rain event	1	N/A	N/A	3.7	N/A
		15/05/20	TSS	mg/L	Once per month during rain event	1	N/A	N/A	22	N/A
		15/05/20	Flow	kL/Day	Daily during discharge	6	2	26	15	90

Details of Licence Conditions

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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 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	15/05/20	Ammonia	mg/L	Once per month during rain event	0	N/A	N/A	115.00	N/A		
		15/05/20	Arsenic	mg/L	Once per month during rain event	0	N/A	N/A	<0.001	N/A		
		15/05/20	Chromium (hexavalent)	mg/L	Once per month during rain event	0	N/A	N/A	<0.01	N/A		
		15/05/20	Nitrate	mg/L	Once per month during rain event	0	N/A	N/A	0.1	N/A		
		15/05/20	Nitrite	mg/L	Once per month during rain event	0	N/A	N/A	131.00	N/A		
		15/05/20	Nitrogen (total)	mg/L	Once per month during rain event	0	N/A	N/A	187.0	N/A		
		15/05/20	pH	pH	Once per month during rain event	0	N/A	N/A	6.73	N/A		
		15/05/20	Phosphate	mg/L	Once per month during rain event	0	N/A	N/A	0.76	N/A		
		15/05/20	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	0	N/A	N/A	<0.05	N/A		
		15/05/20	Phosphorus (total)	mg/L	Once per month during rain event	0	N/A	N/A	0.25	N/A		
		15/05/20	TKN	mg/L	Once per month during rain event	0	N/A	N/A	56.0	N/A		
		15/05/20	TSS	mg/L	Once per month during rain event	0	N/A	N/A	25	N/A		
		15/05/20	Flow	kL/Day	Daily during discharge	1	96	96	96	96		
		14	Catchment 5 - Bagging South	15/05/20	Ammonia	mg/L	Once per month during rain event	0	N/A	N/A	65.50	N/A
				15/05/20	Arsenic	mg/L	Once per month during rain event	0	N/A	N/A	<0.001	N/A
15/05/20	Chromium (hexavalent)			mg/L	Once per month during rain event	0	N/A	N/A	<0.01	N/A		
15/05/20	Nitrate			mg/L	Once per month during rain event	0	N/A	N/A	74.0	N/A		
15/05/20	Nitrite			mg/L	Once per month during rain event	0	N/A	N/A	0.01	N/A		
15/05/20	Nitrogen (total)			mg/L	Once per month during rain event	0	N/A	N/A	102.0	N/A		
15/05/20	pH			pH	Once per month during rain event	0	N/A	N/A	5.68	N/A		
15/05/20	Phosphate			mg/L	Once per month during rain event	0	N/A	N/A	0.49	N/A		
15/05/20	Phosphorus (dissolved reactive)			mg/L	Once per month during rain event	0	N/A	N/A	<0.05	N/A		
15/05/20	Phosphorus (total)			mg/L	Once per month during rain event	0	N/A	N/A	0.16	N/A		
15/05/20	TKN			mg/L	Once per month during rain event	0	N/A	N/A	27.9	N/A		
15/05/20	TSS			mg/L	Once per month during rain event	0	N/A	N/A	28	N/A		
15/05/20	Flow			kL/Day	Daily during discharge	2	4	13	13	22		
15	Catchment 6 - Bagging North			15/05/20	Ammonia	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A
				15/05/20	Arsenic	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A
		15/05/20	Chromium (hexavalent)	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A		
		15/05/20	Nitrate	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A		
		15/05/20	Nitrite	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A		
		15/05/20	Nitrogen (total)	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A		
		15/05/20	pH	pH	Once per month during rain event	0	N/A	N/A	N/A	N/A		
		15/05/20	Phosphate	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A		
		15/05/20	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A		
		15/05/20	Phosphorus (total)	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A		
		15/05/20	TKN	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A		
		15/05/20	TSS	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A		
		15/05/20	Flow	kL/Day	Daily during discharge	No discharge recorded at Catchment 6	0	0	0	0		