

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-K1_monitoring_locations.jpg
 Concentration Limit: See licence M2.3

Monthly Summary: December 2018 (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	7/01/19	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	13.9	N/A			
		7/01/19	Arsenic	mg/L	Once per month during rain event		N/A	N/A	0.003	N/A			
		7/01/19	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A			
		7/01/19	Nitrate	mg/L	Once per month during rain event		N/A	N/A	35.5	N/A			
		7/01/19	Nitrite	mg/L	Once per month during rain event		N/A	N/A	1.97	N/A			
		7/01/19	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	52.1	N/A			
		7/01/19	pH	pH	Once per month during rain event		N/A	N/A	5.78	N/A			
		7/01/19	Phosphate	mg/L	Once per month during rain event		N/A	N/A	1.81	N/A			
		7/01/19	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event		N/A	N/A	0.18	N/A			
		7/01/19	Phosphorus (total)	mg/L	Once per month during rain event		N/A	N/A	0.59	N/A			
		7/01/19	TKN	mg/L	Once per month during rain event		N/A	N/A	14.6	N/A			
		7/01/19	TSS	mg/L	Once per month during rain event		N/A	N/A	96	N/A			
		7/01/19	Flow	kL/Day	Daily during discharge		8	2	16	7	59		
		11	Catchment 2 - Admin/NH3	7/01/19	Ammonia		mg/L	Once per month during rain event	1	N/A	N/A	5	N/A
				7/01/19	Arsenic		mg/L	Once per month during rain event		N/A	N/A	0.006	N/A
7/01/19	Chromium (hexavalent)			mg/L	Once per month during rain event	N/A	N/A	<0.01		N/A			
7/01/19	Nitrate			mg/L	Once per month during rain event	N/A	N/A	4.21		N/A			
7/01/19	Nitrite			mg/L	Once per month during rain event	N/A	N/A	5.38		N/A			
7/01/19	Nitrogen (total)			mg/L	Once per month during rain event	N/A	N/A	15.5		N/A			
7/01/19	pH			pH	Once per month during rain event	N/A	N/A	6.07		N/A			
7/01/19	Phosphate			mg/L	Once per month during rain event	N/A	N/A	1.1		N/A			
7/01/19	Phosphorus (dissolved reactive)			mg/L	Once per month during rain event	N/A	N/A	0.06		N/A			
7/01/19	Phosphorus (total)			mg/L	Once per month during rain event	N/A	N/A	0.36		N/A			
7/01/19	TKN			mg/L	Once per month during rain event	N/A	N/A	5.9		N/A			
7/01/19	TSS			mg/L	Once per month during rain event	N/A	N/A	140		N/A			
7/01/19	Flow			kL/Day	Daily during discharge	6	2	37		26	85		
12	Catchment 3 - Ammonia			7/01/19	Ammonia	mg/L	Once per month during rain event	1		N/A	N/A	3.56	N/A
				7/01/19	Arsenic	mg/L	Once per month during rain event			N/A	N/A	0.015	N/A
		7/01/19	Chromium (hexavalent)	mg/L	Once per month during rain event	N/A	N/A		<0.01	N/A			
		7/01/19	Nitrate	mg/L	Once per month during rain event	N/A	N/A		10.2	N/A			
		7/01/19	Nitrite	mg/L	Once per month during rain event	N/A	N/A		2.05	N/A			
		7/01/19	Nitrogen (total)	mg/L	Once per month during rain event	N/A	N/A		16.9	N/A			
		7/01/19	pH	pH	Once per month during rain event	N/A	N/A		6.23	N/A			
		7/01/19	Phosphate	mg/L	Once per month during rain event	N/A	N/A		3.16	N/A			
		7/01/19	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	N/A	N/A		0.28	N/A			
		7/01/19	Phosphorus (total)	mg/L	Once per month during rain event	N/A	N/A		1.03	N/A			
		7/01/19	TKN	mg/L	Once per month during rain event	N/A	N/A		4.7	N/A			
		7/01/19	TSS	mg/L	Once per month during rain event	N/A	N/A		91	N/A			
		7/01/19	Flow	kL/Day	Daily during discharge	6	2		24	14	84		

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: December 2018 (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	7/01/19	Ammonia	mg/L	Once per month during rain event	No Discharge recorded at Catchment 4	N/A	N/A	N/A	N/A
		7/01/19	Arsenic	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		7/01/19	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		7/01/19	Nitrate	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		7/01/19	Nitrite	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		7/01/19	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		7/01/19	pH	pH	Once per month during rain event		N/A	N/A	N/A	N/A
		7/01/19	Phosphate	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		7/01/19	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		7/01/19	Phosphorus (total)	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		7/01/19	TKN	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		7/01/19	TSS	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		7/01/19	Flow	kL/Day	Daily during discharge		N/A	N/A	N/A	N/A
		14	Catchment 5 - Bagging South	7/01/19	Ammonia		mg/L	Once per month during rain event	No Discharge recorded at Catchment 5	N/A
7/01/19	Arsenic			mg/L	Once per month during rain event	N/A	N/A	N/A		N/A
7/01/19	Chromium (hexavalent)			mg/L	Once per month during rain event	N/A	N/A	N/A		N/A
7/01/19	Nitrate			mg/L	Once per month during rain event	N/A	N/A	N/A		N/A
7/01/19	Nitrite			mg/L	Once per month during rain event	N/A	N/A	N/A		N/A
7/01/19	Nitrogen (total)			mg/L	Once per month during rain event	N/A	N/A	N/A		N/A
7/01/19	pH			pH	Once per month during rain event	N/A	N/A	N/A		N/A
7/01/19	Phosphate			mg/L	Once per month during rain event	N/A	N/A	N/A		N/A
7/01/19	Phosphorus (dissolved reactive)			mg/L	Once per month during rain event	N/A	N/A	N/A		N/A
7/01/19	Phosphorus (total)			mg/L	Once per month during rain event	N/A	N/A	N/A		N/A
7/01/19	TKN			mg/L	Once per month during rain event	N/A	N/A	N/A		N/A
7/01/19	TSS			mg/L	Once per month during rain event	N/A	N/A	N/A		N/A
7/01/19	Flow			kL/Day	Daily during discharge	N/A	N/A	N/A		N/A
15	Catchment 6 - Bagging North			7/01/19	Ammonia	mg/L	Once per month during rain event	No Discharge recorded at Catchment 6		N/A
		7/01/19	Arsenic	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A
		7/01/19	Chromium (hexavalent)	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A
		7/01/19	Nitrate	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A
		7/01/19	Nitrite	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A
		7/01/19	Nitrogen (total)	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A
		7/01/19	pH	pH	Once per month during rain event	N/A	N/A		N/A	N/A
		7/01/19	Phosphate	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A
		7/01/19	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A
		7/01/19	Phosphorus (total)	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A
		7/01/19	TKN	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A
		7/01/19	TSS	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A
		7/01/19	Flow	kL/Day	Daily during discharge	N/A	N/A		N/A	N/A

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-K1_monitoring_locations.jpg
 Concentration Limit: See licence M2.3

Monthly Summary: November 2018 (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	5/12/18	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	6.1	N/A			
		5/12/18	Arsenic	mg/L	Once per month during rain event		N/A	N/A	0.002	N/A			
		5/12/18	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	<0.001	N/A			
		5/12/18	Nitrate	mg/L	Once per month during rain event		N/A	N/A	11.6	N/A			
		5/12/18	Nitrite	mg/L	Once per month during rain event		N/A	N/A	0.42	N/A			
		5/12/18	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	19.7	N/A			
		5/12/18	pH	pH	Once per month during rain event		N/A	N/A	7.24	N/A			
		5/12/18	Phosphate	mg/L	Once per month during rain event		N/A	N/A	1.32	N/A			
		5/12/18	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event		N/A	N/A	0.1	N/A			
		5/12/18	Phosphorus (total)	mg/L	Once per month during rain event		N/A	N/A	1.32	N/A			
		5/12/18	TKN	mg/L	Once per month during rain event		N/A	N/A	7.7	N/A			
		5/12/18	TSS	mg/L	Once per month during rain event		N/A	N/A	57	N/A			
		5/12/18	Flow	kL/Day	Daily during discharge		5	1	51	5	152		
		11	Catchment 2 - Admin/NH3	5/12/18	Ammonia		mg/L	Once per month during rain event	1	N/A	N/A	2.2	N/A
				5/12/18	Arsenic		mg/L	Once per month during rain event		N/A	N/A	0.003	N/A
				5/12/18	Chromium (hexavalent)		mg/L	Once per month during rain event		N/A	N/A	<0.001	N/A
5/12/18	Nitrate			mg/L	Once per month during rain event	N/A	N/A	5.34		N/A			
5/12/18	Nitrite			mg/L	Once per month during rain event	N/A	N/A	0.36		N/A			
5/12/18	Nitrogen (total)			mg/L	Once per month during rain event	N/A	N/A	8.9		N/A			
5/12/18	pH			pH	Once per month during rain event	N/A	N/A	6.93		N/A			
5/12/18	Phosphate			mg/L	Once per month during rain event	N/A	N/A	0.98		N/A			
5/12/18	Phosphorus (dissolved reactive)			mg/L	Once per month during rain event	N/A	N/A	0.06		N/A			
5/12/18	Phosphorus (total)			mg/L	Once per month during rain event	N/A	N/A	0.32		N/A			
5/12/18	TKN			mg/L	Once per month during rain event	N/A	N/A	3.2		N/A			
5/12/18	TSS			mg/L	Once per month during rain event	N/A	N/A	27		N/A			
5/12/18	Flow			kL/Day	Daily during discharge	2	80	140		140	201		
12	Catchment 3 - Ammonia			5/12/18	Ammonia	mg/L	Once per month during rain event	1		N/A	N/A	1.6	N/A
				5/12/18	Arsenic	mg/L	Once per month during rain event			N/A	N/A	0.01	N/A
				5/12/18	Chromium (hexavalent)	mg/L	Once per month during rain event			N/A	N/A	<0.001	N/A
		5/12/18	Nitrate	mg/L	Once per month during rain event	N/A	N/A		4.87	N/A			
		5/12/18	Nitrite	mg/L	Once per month during rain event	N/A	N/A		0.13	N/A			
		5/12/18	Nitrogen (total)	mg/L	Once per month during rain event	N/A	N/A		6.7	N/A			
		5/12/18	pH	pH	Once per month during rain event	N/A	N/A		7.25	N/A			
		5/12/18	Phosphate	mg/L	Once per month during rain event	N/A	N/A		4.6	N/A			
		5/12/18	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	N/A	N/A		0.16	N/A			
		5/12/18	Phosphorus (total)	mg/L	Once per month during rain event	N/A	N/A		1.5	N/A			
		5/12/18	TKN	mg/L	Once per month during rain event	N/A	N/A		1.7	N/A			
		5/12/18	TSS	mg/L	Once per month during rain event	N/A	N/A		80	N/A			
		5/12/18	Flow	kL/Day	Daily during discharge	2	105		165	165	228		

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: November 2018 (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	5/12/18	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	130	N/A	
		5/12/18	Arsenic	mg/L	Once per month during rain event		N/A	N/A	0.002	N/A	
		5/12/18	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A	
		5/12/18	Nitrate	mg/L	Once per month during rain event		N/A	N/A	150	N/A	
		5/12/18	Nitrite	mg/L	Once per month during rain event		N/A	N/A	0.17	N/A	
		5/12/18	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	278	N/A	
		5/12/18	pH	pH	Once per month during rain event		N/A	N/A	7.31	N/A	
		5/12/18	Phosphate	mg/L	Once per month during rain event		N/A	N/A	0.86	N/A	
		5/12/18	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event		N/A	N/A	<0.05	N/A	
		5/12/18	Phosphorus (total)	mg/L	Once per month during rain event		N/A	N/A	0.28	N/A	
		5/12/18	TKN	mg/L	Once per month during rain event		N/A	N/A	128	N/A	
		5/12/18	TSS	mg/L	Once per month during rain event		N/A	N/A	86	N/A	
		5/12/18	Flow	kL/Day	Daily during discharge		2	33	157	157	281
		14	Catchment 5 - Bagging South	5/12/18	Ammonia		mg/L	Once per month during rain event	No Discharge recorded at Catchment 5	N/A	N/A
5/12/18	Arsenic			mg/L	Once per month during rain event	N/A	N/A	N/A		N/A	
5/12/18	Chromium (hexavalent)			mg/L	Once per month during rain event	N/A	N/A	N/A		N/A	
5/12/18	Nitrate			mg/L	Once per month during rain event	N/A	N/A	N/A		N/A	
5/12/18	Nitrite			mg/L	Once per month during rain event	N/A	N/A	N/A		N/A	
5/12/18	Nitrogen (total)			mg/L	Once per month during rain event	N/A	N/A	N/A		N/A	
5/12/18	pH			pH	Once per month during rain event	N/A	N/A	N/A		N/A	
5/12/18	Phosphate			mg/L	Once per month during rain event	N/A	N/A	N/A		N/A	
5/12/18	Phosphorus (dissolved reactive)			mg/L	Once per month during rain event	N/A	N/A	N/A		N/A	
5/12/18	Phosphorus (total)			mg/L	Once per month during rain event	N/A	N/A	N/A		N/A	
5/12/18	TKN			mg/L	Once per month during rain event	N/A	N/A	N/A		N/A	
5/12/18	TSS			mg/L	Once per month during rain event	N/A	N/A	N/A		N/A	
5/12/18	Flow			kL/Day	Daily during discharge	1	24	24		24	24
15	Catchment 6 - Bagging North			5/12/18	Ammonia	mg/L	Once per month during rain event	1		N/A	N/A
		5/12/18	Arsenic	mg/L	Once per month during rain event	N/A	N/A		0.002	N/A	
		5/12/18	Chromium (hexavalent)	mg/L	Once per month during rain event	N/A	N/A		<0.01	N/A	
		5/12/18	Nitrate	mg/L	Once per month during rain event	N/A	N/A		35.4	N/A	
		5/12/18	Nitrite	mg/L	Once per month during rain event	N/A	N/A		0.11	N/A	
		5/12/18	Nitrogen (total)	mg/L	Once per month during rain event	N/A	N/A		65.2	N/A	
		5/12/18	pH	pH	Once per month during rain event	N/A	N/A		7.73	N/A	
		5/12/18	Phosphate	mg/L	Once per month during rain event	N/A	N/A		0.41	N/A	
		5/12/18	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	N/A	N/A		<0.05	N/A	
		5/12/18	Phosphorus (total)	mg/L	Once per month during rain event	N/A	N/A		0.41	N/A	
		5/12/18	TKN	mg/L	Once per month during rain event	N/A	N/A		29.7	N/A	
		5/12/18	TSS	mg/L	Once per month during rain event	N/A	N/A		80	N/A	
		5/12/18	Flow	kL/Day	Daily during discharge	1	24		24	24	24

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-K1_monitoring_locations.jpg
Concentration Limit:	See licence M2.3

Monthly Summary: October 2018 (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	8/11/18	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	5.7	N/A			
		8/11/18	Arsenic	mg/L	Once per month during rain event		N/A	N/A	0.003	N/A			
		8/11/18	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	<0.001	N/A			
		8/11/18	Nitrate	mg/L	Once per month during rain event		N/A	N/A	7.64	N/A			
		8/11/18	Nitrite	mg/L	Once per month during rain event		N/A	N/A	0.36	N/A			
		8/11/18	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	15.6	N/A			
		8/11/18	pH	pH	Once per month during rain event		N/A	N/A	7.2	N/A			
		8/11/18	Phosphate	mg/L	Once per month during rain event		N/A	N/A	1.47	N/A			
		8/11/18	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event		N/A	N/A	0.13	N/A			
		8/11/18	Phosphorus (total)	mg/L	Once per month during rain event		N/A	N/A	0.48	N/A			
		8/11/18	TKN	mg/L	Once per month during rain event		N/A	N/A	7.6	N/A			
		8/11/18	TSS	mg/L	Once per month during rain event		N/A	N/A	66	N/A			
		8/11/18	Flow	kL/Day	Daily during discharge		17	1	56	9	279		
		11	Catchment 2 - Admin/NH3	8/11/18	Ammonia		mg/L	Once per month during rain event	1	N/A	N/A	2.6	N/A
				8/11/18	Arsenic		mg/L	Once per month during rain event		N/A	N/A	<0.001	N/A
				8/11/18	Chromium (hexavalent)		mg/L	Once per month during rain event		N/A	N/A	<0.001	N/A
				8/11/18	Nitrate		mg/L	Once per month during rain event		N/A	N/A	3.97	N/A
8/11/18	Nitrite			mg/L	Once per month during rain event	N/A	N/A	0.13		N/A			
8/11/18	Nitrogen (total)			mg/L	Once per month during rain event	N/A	N/A	7.1		N/A			
8/11/18	pH			pH	Once per month during rain event	N/A	N/A	6.99		N/A			
8/11/18	Phosphate			mg/L	Once per month during rain event	N/A	N/A	0.67		N/A			
8/11/18	Phosphorus (dissolved reactive)			mg/L	Once per month during rain event	N/A	N/A	0.06		N/A			
8/11/18	Phosphorus (total)			mg/L	Once per month during rain event	N/A	N/A	0.22		N/A			
8/11/18	TKN			mg/L	Once per month during rain event	N/A	N/A	3		N/A			
8/11/18	TSS			mg/L	Once per month during rain event	N/A	N/A	28		N/A			
8/11/18	Flow			kL/Day	Daily during discharge	10	2	82		19	311		
12	Catchment 3 - Ammonia			8/11/18	Ammonia	mg/L	Once per month during rain event	1		N/A	N/A	1.9	N/A
				8/11/18	Arsenic	mg/L	Once per month during rain event			N/A	N/A	0.013	N/A
				8/11/18	Chromium (hexavalent)	mg/L	Once per month during rain event			N/A	N/A	<0.001	N/A
				8/11/18	Nitrate	mg/L	Once per month during rain event			N/A	N/A	2.86	N/A
		8/11/18	Nitrite	mg/L	Once per month during rain event	N/A	N/A		0.14	N/A			
		8/11/18	Nitrogen (total)	mg/L	Once per month during rain event	N/A	N/A		4.4	N/A			
		8/11/18	pH	pH	Once per month during rain event	N/A	N/A		7.27	N/A			
		8/11/18	Phosphate	mg/L	Once per month during rain event	N/A	N/A		4.6	N/A			
		8/11/18	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	N/A	N/A		0.26	N/A			
		8/11/18	Phosphorus (total)	mg/L	Once per month during rain event	N/A	N/A		1.5	N/A			
		8/11/18	TKN	mg/L	Once per month during rain event	N/A	N/A		1.4	N/A			
		8/11/18	TSS	mg/L	Once per month during rain event	N/A	N/A		84	N/A			
		8/11/18	Flow	kL/Day	Daily during discharge	10	3		154	19	402		

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: October 2018 (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	8/11/18	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	106	N/A	
		8/11/18	Arsenic	mg/L	Once per month during rain event		N/A	N/A	<0.001	N/A	
		8/11/18	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	<0.001	N/A	
		8/11/18	Nitrate	mg/L	Once per month during rain event		N/A	N/A	112	N/A	
		8/11/18	Nitrite	mg/L	Once per month during rain event		N/A	N/A	0.58	N/A	
		8/11/18	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	199	N/A	
		8/11/18	pH	pH	Once per month during rain event		N/A	N/A	7.18	N/A	
		8/11/18	Phosphate	mg/L	Once per month during rain event		N/A	N/A	0.64	N/A	
		8/11/18	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event		N/A	N/A	0.06	N/A	
		8/11/18	Phosphorus (total)	mg/L	Once per month during rain event		N/A	N/A	0.21	N/A	
		8/11/18	TKN	mg/L	Once per month during rain event		N/A	N/A	86	N/A	
		8/11/18	TSS	mg/L	Once per month during rain event		N/A	N/A	33	N/A	
		8/11/18	Flow	kL/Day	Daily during discharge		5	8	155	162	343
		14	Catchment 5 - Bagging South	8/11/18	Ammonia		mg/L	Once per month during rain event	1	N/A	N/A
8/11/18	Arsenic			mg/L	Once per month during rain event	N/A	N/A	<0.001		N/A	
8/11/18	Chromium (hexavalent)			mg/L	Once per month during rain event	N/A	N/A	<0.001		N/A	
8/11/18	Nitrate			mg/L	Once per month during rain event	N/A	N/A	38.4		N/A	
8/11/18	Nitrite			mg/L	Once per month during rain event	N/A	N/A	0.15		N/A	
8/11/18	Nitrogen (total)			mg/L	Once per month during rain event	N/A	N/A	62.4		N/A	
8/11/18	pH			pH	Once per month during rain event	N/A	N/A	6.24		N/A	
8/11/18	Phosphate			mg/L	Once per month during rain event	N/A	N/A	0.28		N/A	
8/11/18	Phosphorus (dissolved reactive)			mg/L	Once per month during rain event	N/A	N/A	0.05		N/A	
8/11/18	Phosphorus (total)			mg/L	Once per month during rain event	N/A	N/A	0.09		N/A	
8/11/18	TKN			mg/L	Once per month during rain event	N/A	N/A	23.9		N/A	
8/11/18	TSS			mg/L	Once per month during rain event	N/A	N/A	10		N/A	
8/11/18	Flow			kL/Day	Daily during discharge	5	2	55		48	134
15	Catchment 6 - Bagging North			8/11/18	Ammonia	mg/L	Once per month during rain event	1		N/A	N/A
		8/11/18	Arsenic	mg/L	Once per month during rain event	N/A	N/A		<0.001	N/A	
		8/11/18	Chromium (hexavalent)	mg/L	Once per month during rain event	N/A	N/A		<0.001	N/A	
		8/11/18	Nitrate	mg/L	Once per month during rain event	N/A	N/A		14.2	N/A	
		8/11/18	Nitrite	mg/L	Once per month during rain event	N/A	N/A		0.05	N/A	
		8/11/18	Nitrogen (total)	mg/L	Once per month during rain event	N/A	N/A		25.2	N/A	
		8/11/18	pH	pH	Once per month during rain event	N/A	N/A		6.75	N/A	
		8/11/18	Phosphate	mg/L	Once per month during rain event	N/A	N/A		0.86	N/A	
		8/11/18	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	N/A	N/A		<0.05	N/A	
		8/11/18	Phosphorus (total)	mg/L	Once per month during rain event	N/A	N/A		0.28	N/A	
		8/11/18	TKN	mg/L	Once per month during rain event	N/A	N/A		11	N/A	
		8/11/18	TSS	mg/L	Once per month during rain event	N/A	N/A		<5	N/A	
		8/11/18	Flow	kL/Day	Daily during discharge	2	50		52	52	53

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: September 2018 (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	3/10/18	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	33.4	N/A		
		3/10/18	Arsenic	mg/L	Once per month during rain event		N/A	N/A	0.003	N/A		
		3/10/18	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A		
		3/10/18	Nitrate	mg/L	Once per month during rain event		N/A	N/A	39	N/A		
		3/10/18	Nitrite	mg/L	Once per month during rain event		N/A	N/A	0.15	N/A		
		3/10/18	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	78.5	N/A		
		3/10/18	pH	pH	Once per month during rain event		N/A	N/A	8.31	N/A		
		3/10/18	Phosphate	mg/L	Once per month during rain event		N/A	N/A	2.61	N/A		
		3/10/18	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event		N/A	N/A	0.31	N/A		
		3/10/18	Phosphorus (total)	mg/L	Once per month during rain event		N/A	N/A	0.85	N/A		
		3/10/18	TKN	mg/L	Once per month during rain event		N/A	N/A	39.4	N/A		
		3/10/18	TSS	mg/L	Once per month during rain event		N/A	N/A	210	N/A		
		3/10/18	Flow	kL/Day	Daily during discharge		17	2	51	9	381	
		11	Catchment 2 - Admin/NH3	3/10/18	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	9	N/A
				3/10/18	Arsenic	mg/L	Once per month during rain event		N/A	N/A	0.006	N/A
				3/10/18	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A
				3/10/18	Nitrate	mg/L	Once per month during rain event		N/A	N/A	17.9	N/A
3/10/18	Nitrite			mg/L	Once per month during rain event		N/A	N/A	0.07	N/A		
3/10/18	Nitrogen (total)			mg/L	Once per month during rain event		N/A	N/A	29.6	N/A		
3/10/18	pH			pH	Once per month during rain event		N/A	N/A	6.94	N/A		
3/10/18	Phosphate			mg/L	Once per month during rain event		N/A	N/A	1.29	N/A		
3/10/18	Phosphorus (dissolved reactive)			mg/L	Once per month during rain event		N/A	N/A	0.09	N/A		
3/10/18	Phosphorus (total)			mg/L	Once per month during rain event		N/A	N/A	0.42	N/A		
3/10/18	TKN			mg/L	Once per month during rain event		N/A	N/A	11.6	N/A		
3/10/18	TSS			mg/L	Once per month during rain event		N/A	N/A	55	N/A		
3/10/18	Flow			kL/Day	Daily during discharge		5	33	137	56	351	
12	Catchment 3 - Ammonia			3/10/18	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	1.9	N/A
				3/10/18	Arsenic	mg/L	Once per month during rain event		N/A	N/A	0.013	N/A
				3/10/18	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A
				3/10/18	Nitrate	mg/L	Once per month during rain event		N/A	N/A	6.34	N/A
		3/10/18	Nitrite	mg/L	Once per month during rain event		N/A	N/A	0.06	N/A		
		3/10/18	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	9.6	N/A		
		3/10/18	pH	pH	Once per month during rain event		N/A	N/A	7.07	N/A		
		3/10/18	Phosphate	mg/L	Once per month during rain event		N/A	N/A	2.64	N/A		
		3/10/18	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event		N/A	N/A	0.35	N/A		
		3/10/18	Phosphorus (total)	mg/L	Once per month during rain event		N/A	N/A	0.86	N/A		
		3/10/18	TKN	mg/L	Once per month during rain event		N/A	N/A	3.2	N/A		
		3/10/18	TSS	mg/L	Once per month during rain event		N/A	N/A	56	N/A		
		3/10/18	Flow	kL/Day	Daily during discharge		6	1	140	64	448	

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: September 2018 (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	3/10/18	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	37.9	N/A	
		3/10/18	Arsenic	mg/L	Once per month during rain event		N/A	N/A	0.004	N/A	
		3/10/18	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A	
		3/10/18	Nitrate	mg/L	Once per month during rain event		N/A	N/A	46.5	N/A	
		3/10/18	Nitrite	mg/L	Once per month during rain event		N/A	N/A	0.3	N/A	
		3/10/18	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	84.2	N/A	
		3/10/18	pH	pH	Once per month during rain event		N/A	N/A	6.95	N/A	
		3/10/18	Phosphate	mg/L	Once per month during rain event		N/A	N/A	1.16	N/A	
		3/10/18	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event		N/A	N/A	0.007	N/A	
		3/10/18	Phosphorus (total)	mg/L	Once per month during rain event		N/A	N/A	0.38	N/A	
		3/10/18	TKN	mg/L	Once per month during rain event		N/A	N/A	37.4	N/A	
		3/10/18	TSS	mg/L	Once per month during rain event		N/A	N/A	78	N/A	
		3/10/18	Flow	kL/Day	Daily during discharge		3	22	237	169	520.00
		14	Catchment 5 - Bagging South	3/10/18	Ammonia		mg/L	Once per month during rain event	1	N/A	N/A
3/10/18	Arsenic			mg/L	Once per month during rain event	N/A	N/A	<0.001		N/A	
3/10/18	Chromium (hexavalent)			mg/L	Once per month during rain event	N/A	N/A	<0.01		N/A	
3/10/18	Nitrate			mg/L	Once per month during rain event	N/A	N/A	3.71		N/A	
3/10/18	Nitrite			mg/L	Once per month during rain event	N/A	N/A	0.19		N/A	
3/10/18	Nitrogen (total)			mg/L	Once per month during rain event	N/A	N/A	7.5		N/A	
3/10/18	pH			pH	Once per month during rain event	N/A	N/A	7.37		N/A	
3/10/18	Phosphate			mg/L	Once per month during rain event	N/A	N/A	0.61		N/A	
3/10/18	Phosphorus (dissolved reactive)			mg/L	Once per month during rain event	N/A	N/A	0.08		N/A	
3/10/18	Phosphorus (total)			mg/L	Once per month during rain event	N/A	N/A	0.2		N/A	
3/10/18	TKN			mg/L	Once per month during rain event	N/A	N/A	3.6		N/A	
3/10/18	TSS			mg/L	Once per month during rain event	N/A	N/A	29		N/A	
3/10/18	Flow			kL/Day	Daily during discharge	2	39	123		123	207.00
15	Catchment 6 - Bagging North			3/10/18	Ammonia	mg/L	Once per month during rain event	1		N/A	N/A
		3/10/18	Arsenic	mg/L	Once per month during rain event	N/A	N/A		<0.001	N/A	
		3/10/18	Chromium (hexavalent)	mg/L	Once per month during rain event	N/A	N/A		<0.01	N/A	
		3/10/18	Nitrate	mg/L	Once per month during rain event	N/A	N/A		7.9	N/A	
		3/10/18	Nitrite	mg/L	Once per month during rain event	N/A	N/A		0.1	N/A	
		3/10/18	Nitrogen (total)	mg/L	Once per month during rain event	N/A	N/A		15	N/A	
		3/10/18	pH	pH	Once per month during rain event	N/A	N/A		7.44	N/A	
		3/10/18	Phosphate	mg/L	Once per month during rain event	N/A	N/A		0.37	N/A	
		3/10/18	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	N/A	N/A		<0.05	N/A	
		3/10/18	Phosphorus (total)	mg/L	Once per month during rain event	N/A	N/A		0.12	N/A	
		3/10/18	TKN	mg/L	Once per month during rain event	N/A	N/A		7	N/A	
		3/10/18	TSS	mg/L	Once per month during rain event	N/A	N/A		26	N/A	
		3/10/18	Flow	kL/Day	Daily during discharge	1	N/A		N/A	100	N/A

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: August 2018 (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	12/09/18	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	22.8	N/A		
		12/09/18	Arsenic	mg/L	Once per month during rain event		N/A	N/A	0.003	N/A		
		12/09/18	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A		
		12/09/18	Nitrate	mg/L	Once per month during rain event		N/A	N/A	39.4	N/A		
		12/09/18	Nitrite	mg/L	Once per month during rain event		N/A	N/A	0.14	N/A		
		12/09/18	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	62.2	N/A		
		12/09/18	pH	pH	Once per month during rain event		N/A	N/A	6.79	N/A		
		12/09/18	Phosphate	mg/L	Once per month during rain event		N/A	N/A	2.45	N/A		
		12/09/18	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event		N/A	N/A	0.41	N/A		
		12/09/18	Phosphorus (total)	mg/L	Once per month during rain event		N/A	N/A	0.8	N/A		
		12/09/18	TKN	mg/L	Once per month during rain event		N/A	N/A	22.8	N/A		
		12/09/18	TSS	mg/L	Once per month during rain event		N/A	N/A	124	N/A		
		12/09/18	Flow	kL/Day	Daily during discharge		9	1	15	5	62	
		11	Catchment 2 - Admin/NH3	12/09/18	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	4.9	N/A
				12/09/18	Arsenic	mg/L	Once per month during rain event		N/A	N/A	0.009	N/A
12/09/18	Chromium (hexavalent)			mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A		
12/09/18	Nitrate			mg/L	Once per month during rain event		N/A	N/A	11.2	N/A		
12/09/18	Nitrite			mg/L	Once per month during rain event		N/A	N/A	0.07	N/A		
12/09/18	Nitrogen (total)			mg/L	Once per month during rain event		N/A	N/A	17.2	N/A		
12/09/18	pH			pH	Once per month during rain event		N/A	N/A	7.2	N/A		
12/09/18	Phosphate			mg/L	Once per month during rain event		N/A	N/A	1.07	N/A		
12/09/18	Phosphorus (dissolved reactive)			mg/L	Once per month during rain event		N/A	N/A	0.16	N/A		
12/09/18	Phosphorus (total)			mg/L	Once per month during rain event		N/A	N/A	0.35	N/A		
12/09/18	TKN			mg/L	Once per month during rain event		N/A	N/A	5.9	N/A		
12/09/18	TSS			mg/L	Once per month during rain event		N/A	N/A	76	N/A		
12/09/18	Flow			kL/Day	Daily during discharge		4	2	27	20	67	
12	Catchment 3 - Ammonia			12/09/18	Ammonia	mg/L	Once per month during rain event	0	N/A	N/A	2.2	N/A
				12/09/18	Arsenic	mg/L	Once per month during rain event		N/A	N/A	0.019	N/A
		12/09/18	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A		
		12/09/18	Nitrate	mg/L	Once per month during rain event		N/A	N/A	8.41	N/A		
		12/09/18	Nitrite	mg/L	Once per month during rain event		N/A	N/A	0.09	N/A		
		12/09/18	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	11.7	N/A		
		12/09/18	pH	pH	Once per month during rain event		N/A	N/A	6.93	N/A		
		12/09/18	Phosphate	mg/L	Once per month during rain event		N/A	N/A	3	N/A		
		12/09/18	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event		N/A	N/A	0.36	N/A		
		12/09/18	Phosphorus (total)	mg/L	Once per month during rain event		N/A	N/A	0.98	N/A		
		12/09/18	TKN	mg/L	Once per month during rain event		N/A	N/A	3.2	N/A		
		12/09/18	TSS	mg/L	Once per month during rain event		N/A	N/A	120	N/A		
		12/09/18	Flow	kL/Day	Daily during discharge		5	2	25	5	75	

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: August 2018 (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	12/09/18	Ammonia	mg/L	Once per month during rain event	No Flow Recorded in Catchment 4	N/A	N/A	N/A	N/A
		12/09/18	Arsenic	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		12/09/18	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		12/09/18	Nitrate	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		12/09/18	Nitrite	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		12/09/18	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		12/09/18	pH	pH	Once per month during rain event		N/A	N/A	N/A	N/A
		12/09/18	Phosphate	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		12/09/18	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		12/09/18	Phosphorus (total)	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		12/09/18	TKN	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		12/09/18	TSS	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		12/09/18	Flow	kL/Day	Daily during discharge		N/A	N/A	N/A	N/A
		14	Catchment 5 - Bagging South	12/09/18	Ammonia		mg/L	Once per month during rain event	No Flow Recorded in Catchment 5	N/A
12/09/18	Arsenic			mg/L	Once per month during rain event	N/A	N/A	N/A		N/A
12/09/18	Chromium (hexavalent)			mg/L	Once per month during rain event	N/A	N/A	N/A		N/A
12/09/18	Nitrate			mg/L	Once per month during rain event	N/A	N/A	N/A		N/A
12/09/18	Nitrite			mg/L	Once per month during rain event	N/A	N/A	N/A		N/A
12/09/18	Nitrogen (total)			mg/L	Once per month during rain event	N/A	N/A	N/A		N/A
12/09/18	pH			pH	Once per month during rain event	N/A	N/A	N/A		N/A
12/09/18	Phosphate			mg/L	Once per month during rain event	N/A	N/A	N/A		N/A
12/09/18	Phosphorus (dissolved reactive)			mg/L	Once per month during rain event	N/A	N/A	N/A		N/A
12/09/18	Phosphorus (total)			mg/L	Once per month during rain event	N/A	N/A	N/A		N/A
12/09/18	TKN			mg/L	Once per month during rain event	N/A	N/A	N/A		N/A
12/09/18	TSS			mg/L	Once per month during rain event	N/A	N/A	N/A		N/A
12/09/18	Flow			kL/Day	Daily during discharge	N/A	N/A	N/A		N/A
15	Catchment 6 - Bagging North			12/09/18	Ammonia	mg/L	Once per month during rain event	No Flow Recorded in Catchment 6		N/A
		12/09/18	Arsenic	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A
		12/09/18	Chromium (hexavalent)	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A
		12/09/18	Nitrate	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A
		12/09/18	Nitrite	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A
		12/09/18	Nitrogen (total)	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A
		12/09/18	pH	pH	Once per month during rain event	N/A	N/A		N/A	N/A
		12/09/18	Phosphate	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A
		12/09/18	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A
		12/09/18	Phosphorus (total)	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A
		12/09/18	TKN	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A
		12/09/18	TSS	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A
		12/09/18	Flow	kL/Day	Daily during discharge	N/A	N/A		N/A	N/A

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: July 2018 (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	4/07/18	Ammonia	mg/L	Once per month during rain event	No Flow Monitored From Catchment 1	N/A	N/A	N/A	N/A	
		4/07/18	Arsenic	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A	
		4/07/18	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A	
		4/07/18	Nitrate	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A	
		4/07/18	Nitrite	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A	
		4/07/18	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A	
		4/07/18	pH	pH	Once per month during rain event		N/A	N/A	N/A	N/A	
		4/07/18	Phosphate	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A	
		4/07/18	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A	
		4/07/18	Phosphorus (total)	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A	
		4/07/18	TKN	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A	
		4/07/18	TSS	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A	
		4/07/18	Flow	kL/Day	Daily during discharge		N/A	N/A	N/A	N/A	
		4/07/18	Ammonia	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A	
		11	Catchment 2 - Admin/NH3	4/07/18	Arsenic		mg/L	Once per month during rain event	No Flow Monitored From Catchment 2	N/A	N/A
4/07/18	Chromium (hexavalent)			mg/L	Once per month during rain event	N/A	N/A	N/A		N/A	
4/07/18	Nitrate			mg/L	Once per month during rain event	N/A	N/A	N/A		N/A	
4/07/18	Nitrite			mg/L	Once per month during rain event	N/A	N/A	N/A		N/A	
4/07/18	Nitrogen (total)			mg/L	Once per month during rain event	N/A	N/A	N/A		N/A	
4/07/18	pH			pH	Once per month during rain event	N/A	N/A	N/A		N/A	
4/07/18	Phosphate			mg/L	Once per month during rain event	N/A	N/A	N/A		N/A	
4/07/18	Phosphorus (dissolved reactive)			mg/L	Once per month during rain event	N/A	N/A	N/A		N/A	
4/07/18	Phosphorus (total)			mg/L	Once per month during rain event	N/A	N/A	N/A		N/A	
4/07/18	TKN			mg/L	Once per month during rain event	N/A	N/A	N/A		N/A	
4/07/18	TSS			mg/L	Once per month during rain event	N/A	N/A	N/A		N/A	
4/07/18	Flow			kL/Day	Daily during discharge	N/A	N/A	N/A		N/A	
4/07/18	Ammonia			mg/L	Once per month during rain event	No Flow Monitored From Catchment 3	N/A	N/A		N/A	N/A
4/07/18	Arsenic			mg/L	Once per month during rain event		N/A	N/A		N/A	N/A
4/07/18	Chromium (hexavalent)			mg/L	Once per month during rain event		N/A	N/A		N/A	N/A
4/07/18	Nitrate	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A			
4/07/18	Nitrite	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A			
4/07/18	Nitrogen (total)	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A			
4/07/18	pH	pH	Once per month during rain event	N/A	N/A	N/A	N/A				
4/07/18	Phosphate	mg/L	Once per month during rain event	N/A	N/A	N/A	N/A				
4/07/18	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	N/A	N/A	N/A	N/A				
4/07/18	Phosphorus (total)	mg/L	Once per month during rain event	N/A	N/A	N/A	N/A				
4/07/18	TKN	mg/L	Once per month during rain event	N/A	N/A	N/A	N/A				
4/07/18	TSS	mg/L	Once per month during rain event	N/A	N/A	N/A	N/A				
4/07/18	Flow	kL/Day	Daily during discharge	N/A	N/A	N/A	N/A				

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: July 2018 (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	4/07/18	Ammonia	mg/L	Once per month during rain event	No Flow Monitored From Catchment 4	N/A	N/A	N/A	N/A
		4/07/18	Arsenic	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		4/07/18	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		4/07/18	Nitrate	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		4/07/18	Nitrite	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		4/07/18	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		4/07/18	pH	pH	Once per month during rain event		N/A	N/A	N/A	N/A
		4/07/18	Phosphate	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		4/07/18	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		4/07/18	Phosphorus (total)	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		4/07/18	TKN	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		4/07/18	TSS	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		4/07/18	Flow	kL/Day	Daily during discharge		N/A	N/A	N/A	N/A
		14	Catchment 5 - Bagging South	4/07/18	Ammonia		mg/L	Once per month during rain event	No Flow Monitored From Catchment 5	N/A
4/07/18	Arsenic			mg/L	Once per month during rain event	N/A	N/A	N/A		N/A
4/07/18	Chromium (hexavalent)			mg/L	Once per month during rain event	N/A	N/A	N/A		N/A
4/07/18	Nitrate			mg/L	Once per month during rain event	N/A	N/A	N/A		N/A
4/07/18	Nitrite			mg/L	Once per month during rain event	N/A	N/A	N/A		N/A
4/07/18	Nitrogen (total)			mg/L	Once per month during rain event	N/A	N/A	N/A		N/A
4/07/18	pH			pH	Once per month during rain event	N/A	N/A	N/A		N/A
4/07/18	Phosphate			mg/L	Once per month during rain event	N/A	N/A	N/A		N/A
4/07/18	Phosphorus (dissolved reactive)			mg/L	Once per month during rain event	N/A	N/A	N/A		N/A
4/07/18	Phosphorus (total)			mg/L	Once per month during rain event	N/A	N/A	N/A		N/A
4/07/18	TKN			mg/L	Once per month during rain event	N/A	N/A	N/A		N/A
4/07/18	TSS			mg/L	Once per month during rain event	N/A	N/A	N/A		N/A
4/07/18	Flow			kL/Day	Daily during discharge	N/A	N/A	N/A		N/A
15	Catchment 6 - Bagging North			4/07/18	Ammonia	mg/L	Once per month during rain event	No Flow Monitored From Catchment 6		N/A
		4/07/18	Arsenic	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A
		4/07/18	Chromium (hexavalent)	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A
		4/07/18	Nitrate	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A
		4/07/18	Nitrite	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A
		4/07/18	Nitrogen (total)	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A
		4/07/18	pH	pH	Once per month during rain event	N/A	N/A		N/A	N/A
		4/07/18	Phosphate	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A
		4/07/18	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A
		4/07/18	Phosphorus (total)	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A
		4/07/18	TKN	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A
		4/07/18	TSS	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A
		4/07/18	Flow	kL/Day	Daily during discharge	N/A	N/A		N/A	N/A

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: June 2018 (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	4/07/18	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	7.5	N/A		
		4/07/18	Arsenic	mg/L	Once per month during rain event		N/A	N/A	0.003	N/A		
		4/07/18	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A		
		4/07/18	Nitrate	mg/L	Once per month during rain event		N/A	N/A	12.9	N/A		
		4/07/18	Nitrite	mg/L	Once per month during rain event		N/A	N/A	0.08	N/A		
		4/07/18	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	21.1	N/A		
		4/07/18	pH	pH	Once per month during rain event		N/A	N/A	7.04	N/A		
		4/07/18	Phosphate	mg/L	Once per month during rain event		N/A	N/A	3.37	N/A		
		4/07/18	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event		N/A	N/A	0.25	N/A		
		4/07/18	Phosphorus (total)	mg/L	Once per month during rain event		N/A	N/A	1.1	N/A		
		4/07/18	TKN	mg/L	Once per month during rain event		N/A	N/A	8.1	N/A		
		4/07/18	TSS	mg/L	Once per month during rain event		N/A	N/A	114	N/A		
		4/07/18	Flow	kL/Day	Daily during discharge		27	2	103	18	541	
		11	Catchment 2 - Admin/NH3	4/07/18	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	3.2	N/A
				4/07/18	Arsenic	mg/L	Once per month during rain event		N/A	N/A	0.011	N/A
4/07/18	Chromium (hexavalent)			mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A		
4/07/18	Nitrate			mg/L	Once per month during rain event		N/A	N/A	5.64	N/A		
4/07/18	Nitrite			mg/L	Once per month during rain event		N/A	N/A	0.06	N/A		
4/07/18	Nitrogen (total)			mg/L	Once per month during rain event		N/A	N/A	9.2	N/A		
4/07/18	pH			pH	Once per month during rain event		N/A	N/A	7.2	N/A		
4/07/18	Phosphate			mg/L	Once per month during rain event		N/A	N/A	5.21	N/A		
4/07/18	Phosphorus (dissolved reactive)			mg/L	Once per month during rain event		N/A	N/A	0.23	N/A		
4/07/18	Phosphorus (total)			mg/L	Once per month during rain event		N/A	N/A	1.7	N/A		
4/07/18	TKN			mg/L	Once per month during rain event		N/A	N/A	3.5	N/A		
4/07/18	TSS			mg/L	Once per month during rain event		N/A	N/A	121	N/A		
4/07/18	Flow			kL/Day	Daily during discharge		15	1	171	98	564	
12	Catchment 3 - Ammonia			4/07/18	Ammonia	mg/L	Once per month during rain event	0	N/A	N/A	6	N/A
				4/07/18	Arsenic	mg/L	Once per month during rain event		N/A	N/A	0.004	N/A
		4/07/18	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A		
		4/07/18	Nitrate	mg/L	Once per month during rain event		N/A	N/A	8.53	N/A		
		4/07/18	Nitrite	mg/L	Once per month during rain event		N/A	N/A	0.07	N/A		
		4/07/18	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	14.4	N/A		
		4/07/18	pH	pH	Once per month during rain event		N/A	N/A	6.99	N/A		
		4/07/18	Phosphate	mg/L	Once per month during rain event		N/A	N/A	1.84	N/A		
		4/07/18	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event		N/A	N/A	0.13	N/A		
		4/07/18	Phosphorus (total)	mg/L	Once per month during rain event		N/A	N/A	0.6	N/A		
		4/07/18	TKN	mg/L	Once per month during rain event		N/A	N/A	5.8	N/A		
		4/07/18	TSS	mg/L	Once per month during rain event		N/A	N/A	56	N/A		
		4/07/18	Flow	kL/Day	Daily during discharge		24	2	67	184	961	

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: June 2018 (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	4/07/18	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	62.9	N/A	
		4/07/18	Arsenic	mg/L	Once per month during rain event		N/A	N/A	0.001	N/A	
		4/07/18	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A	
		4/07/18	Nitrate	mg/L	Once per month during rain event		N/A	N/A	69.4	N/A	
		4/07/18	Nitrite	mg/L	Once per month during rain event		N/A	N/A	0.22	N/A	
		4/07/18	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	133	N/A	
		4/07/18	pH	pH	Once per month during rain event		N/A	N/A	5.52	N/A	
		4/07/18	Phosphate	mg/L	Once per month during rain event		N/A	N/A	1.04	N/A	
		4/07/18	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event		N/A	N/A	<0.05	N/A	
		4/07/18	Phosphorus (total)	mg/L	Once per month during rain event		N/A	N/A	0.34	N/A	
		4/07/18	TKN	mg/L	Once per month during rain event		N/A	N/A	63.4	N/A	
		4/07/18	TSS	mg/L	Once per month during rain event		N/A	N/A	31	N/A	
		4/07/18	Flow	kL/Day	Daily during discharge		11	17	280	133	1022
		14	Catchment 5 - Bagging South	4/07/18	Ammonia		mg/L	Once per month during rain event	1	N/A	N/A
4/07/18	Arsenic			mg/L	Once per month during rain event	N/A	N/A	0.002		N/A	
4/07/18	Chromium (hexavalent)			mg/L	Once per month during rain event	N/A	N/A	<0.01		N/A	
4/07/18	Nitrate			mg/L	Once per month during rain event	N/A	N/A	30.8		N/A	
4/07/18	Nitrite			mg/L	Once per month during rain event	N/A	N/A	0.05		N/A	
4/07/18	Nitrogen (total)			mg/L	Once per month during rain event	N/A	N/A	25.7		N/A	
4/07/18	pH			pH	Once per month during rain event	N/A	N/A	6.31		N/A	
4/07/18	Phosphate			mg/L	Once per month during rain event	N/A	N/A	2.02		N/A	
4/07/18	Phosphorus (dissolved reactive)			mg/L	Once per month during rain event	N/A	N/A	0.15		N/A	
4/07/18	Phosphorus (total)			mg/L	Once per month during rain event	N/A	N/A	0.66		N/A	
4/07/18	TKN			mg/L	Once per month during rain event	N/A	N/A	25.7		N/A	
4/07/18	TSS			mg/L	Once per month during rain event	N/A	N/A	116		N/A	
4/07/18	Flow			kL/Day	Daily during discharge	10	7	118		58	324
15	Catchment 6 - Bagging North			4/07/18	Ammonia	mg/L	Once per month during rain event	1		N/A	N/A
		4/07/18	Arsenic	mg/L	Once per month during rain event	N/A	N/A		<0.001	N/A	
		4/07/18	Chromium (hexavalent)	mg/L	Once per month during rain event	N/A	N/A		<0.01	N/A	
		4/07/18	Nitrate	mg/L	Once per month during rain event	N/A	N/A		43	N/A	
		4/07/18	Nitrite	mg/L	Once per month during rain event	N/A	N/A		0.74	N/A	
		4/07/18	Nitrogen (total)	mg/L	Once per month during rain event	N/A	N/A		75.8	N/A	
		4/07/18	pH	pH	Once per month during rain event	N/A	N/A		6.23	N/A	
		4/07/18	Phosphate	mg/L	Once per month during rain event	N/A	N/A		1.16	N/A	
		4/07/18	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	N/A	N/A		<0.05	N/A	
		4/07/18	Phosphorus (total)	mg/L	Once per month during rain event	N/A	N/A		0.38	N/A	
		4/07/18	TKN	mg/L	Once per month during rain event	N/A	N/A		32.1	N/A	
		4/07/18	TSS	mg/L	Once per month during rain event	N/A	N/A		37	N/A	
		4/07/18	Flow	kL/Day	Daily during discharge	6	5		81	87	135

Details of Licence Conditions

EPA Licence No:

828

Link to full license on EPA website:

<http://www.epa.nsw.gov.au/prpoeapp/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: May 2018 (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	14/06/18	Ammonia	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A
		14/06/18	Arsenic	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		14/06/18	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		14/06/18	Nitrate	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		14/06/18	Nitrite	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		14/06/18	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		14/06/18	pH	pH	Once per month during rain event		N/A	N/A	N/A	N/A
		14/06/18	Phosphate	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		14/06/18	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		14/06/18	Phosphorus (total)	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		14/06/18	TKN	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		14/06/18	TSS	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		14/06/18	Flow	kL/Day	Daily during discharge	0	N/A	N/A	N/A	N/A
		14/06/18	Ammonia	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A
11	Catchment 2 - Admin/NH3	14/06/18	Arsenic	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		14/06/18	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		14/06/18	Nitrate	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		14/06/18	Nitrite	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		14/06/18	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		14/06/18	pH	pH	Once per month during rain event		N/A	N/A	N/A	N/A
		14/06/18	Phosphate	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		14/06/18	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		14/06/18	Phosphorus (total)	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		14/06/18	TKN	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		14/06/18	TSS	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		14/06/18	Flow	kL/Day	Daily during discharge	0	N/A	N/A	N/A	N/A
		14/06/18	Ammonia	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A
		14/06/18	Arsenic	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
12	Catchment 3 - Ammonia	14/06/18	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		14/06/18	Nitrate	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		14/06/18	Nitrite	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		14/06/18	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		14/06/18	pH	pH	Once per month during rain event		N/A	N/A	N/A	N/A
		14/06/18	Phosphate	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		14/06/18	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		14/06/18	Phosphorus (total)	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		14/06/18	TKN	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		14/06/18	TSS	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		14/06/18	Flow	kL/Day	Daily during discharge	0	N/A	N/A	N/A	N/A

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: May 2018 (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	14/06/18	Ammonia	mg/L	Once per month during rain event	0	N/A	N/A	N/A	N/A	
		14/06/18	Arsenic	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A	
		14/06/18	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A	
		14/06/18	Nitrate	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A	
		14/06/18	Nitrite	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A	
		14/06/18	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A	
		14/06/18	pH	pH	Once per month during rain event		N/A	N/A	N/A	N/A	
		14/06/18	Phosphate	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A	
		14/06/18	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A	
		14/06/18	Phosphorus (total)	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A	
		14/06/18	TKN	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A	
		14/06/18	TSS	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A	
		14/06/18	Flow	kL/Day	Daily during discharge		0	N/A	N/A	N/A	N/A
		14	Catchment 5 - Bagging South	14/06/18	Ammonia		mg/L	Once per month during rain event	0	N/A	N/A
14/06/18	Arsenic			mg/L	Once per month during rain event	N/A	N/A	N/A		N/A	
14/06/18	Chromium (hexavalent)			mg/L	Once per month during rain event	N/A	N/A	N/A		N/A	
14/06/18	Nitrate			mg/L	Once per month during rain event	N/A	N/A	N/A		N/A	
14/06/18	Nitrite			mg/L	Once per month during rain event	N/A	N/A	N/A		N/A	
14/06/18	Nitrogen (total)			mg/L	Once per month during rain event	N/A	N/A	N/A		N/A	
14/06/18	pH			pH	Once per month during rain event	N/A	N/A	N/A		N/A	
14/06/18	Phosphate			mg/L	Once per month during rain event	N/A	N/A	N/A		N/A	
14/06/18	Phosphorus (dissolved reactive)			mg/L	Once per month during rain event	N/A	N/A	N/A		N/A	
14/06/18	Phosphorus (total)			mg/L	Once per month during rain event	N/A	N/A	N/A		N/A	
14/06/18	TKN			mg/L	Once per month during rain event	N/A	N/A	N/A		N/A	
14/06/18	TSS			mg/L	Once per month during rain event	N/A	N/A	N/A		N/A	
14/06/18	Flow			kL/Day	Daily during discharge	0	N/A	N/A		N/A	N/A
15	Catchment 6 - Bagging North			14/06/18	Ammonia	mg/L	Once per month during rain event	0		N/A	N/A
		14/06/18	Arsenic	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A	
		14/06/18	Chromium (hexavalent)	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A	
		14/06/18	Nitrate	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A	
		14/06/18	Nitrite	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A	
		14/06/18	Nitrogen (total)	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A	
		14/06/18	pH	pH	Once per month during rain event	N/A	N/A		N/A	N/A	
		14/06/18	Phosphate	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A	
		14/06/18	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A	
		14/06/18	Phosphorus (total)	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A	
		14/06/18	TKN	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A	
		14/06/18	TSS	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A	
		14/06/18	Flow	kL/Day	Daily during discharge	0	N/A		N/A	N/A	N/A

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: April 2018 (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	8/05/18	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	2.6	N/A		
		8/05/18	Arsenic	mg/L	Once per month during rain event		N/A	N/A	0.003	N/A		
		8/05/18	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A		
		8/05/18	Nitrate	mg/L	Once per month during rain event		N/A	N/A	8.9	N/A		
		8/05/18	Nitrite	mg/L	Once per month during rain event		N/A	N/A	<0.05	N/A		
		8/05/18	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	12	N/A		
		8/05/18	pH	pH	Once per month during rain event		N/A	N/A	7.45	N/A		
		8/05/18	Phosphate	mg/L	Once per month during rain event		N/A	N/A	2.88	N/A		
		8/05/18	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event		N/A	N/A	0.38	N/A		
		8/05/18	Phosphorus (total)	mg/L	Once per month during rain event		N/A	N/A	0.94	N/A		
		8/05/18	TKN	mg/L	Once per month during rain event		N/A	N/A	2.9	N/A		
		8/05/18	TSS	mg/L	Once per month during rain event		N/A	N/A	140	N/A		
		8/05/18	Flow	kL/Day	Daily during discharge		21	1	65	4	746	
		11	Catchment 2 - Admin/NH3	8/05/18	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	<0.05	N/A
				8/05/18	Arsenic	mg/L	Once per month during rain event		N/A	N/A	0.004	N/A
8/05/18	Chromium (hexavalent)			mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A		
8/05/18	Nitrate			mg/L	Once per month during rain event		N/A	N/A	23.0	N/A		
8/05/18	Nitrite			mg/L	Once per month during rain event		N/A	N/A	0.14	N/A		
8/05/18	Nitrogen (total)			mg/L	Once per month during rain event		N/A	N/A	21.1	N/A		
8/05/18	pH			pH	Once per month during rain event		N/A	N/A	7.65	N/A		
8/05/18	Phosphate			mg/L	Once per month during rain event		N/A	N/A	0.28	N/A		
8/05/18	Phosphorus (dissolved reactive)			mg/L	Once per month during rain event		N/A	N/A	0.09	N/A		
8/05/18	Phosphorus (total)			mg/L	Once per month during rain event		N/A	N/A	0.09	N/A		
8/05/18	TKN			mg/L	Once per month during rain event		N/A	N/A	<0.1	N/A		
8/05/18	TSS			mg/L	Once per month during rain event		N/A	N/A	9	N/A		
8/05/18	Flow			kL/Day	Daily during discharge		9	3	135	25	674	
12	Catchment 3 - Ammonia			8/05/18	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	0.88	N/A
				8/05/18	Arsenic	mg/L	Once per month during rain event		N/A	N/A	0.015	N/A
		8/05/18	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A		
		8/05/18	Nitrate	mg/L	Once per month during rain event		N/A	N/A	3.0	N/A		
		8/05/18	Nitrite	mg/L	Once per month during rain event		N/A	N/A	<0.05	N/A		
		8/05/18	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	4.8	N/A		
		8/05/18	pH	pH	Once per month during rain event		N/A	N/A	7.65	N/A		
		8/05/18	Phosphate	mg/L	Once per month during rain event		N/A	N/A	6.44	N/A		
		8/05/18	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event		N/A	N/A	0.19	N/A		
		8/05/18	Phosphorus (total)	mg/L	Once per month during rain event		N/A	N/A	2.10	N/A		
		8/05/18	TKN	mg/L	Once per month during rain event		N/A	N/A	1.8	N/A		
		8/05/18	TSS	mg/L	Once per month during rain event		N/A	N/A	182	N/A		
		8/05/18	Flow	kL/Day	Daily during discharge		23	1	72	52	840	

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: April 2018 (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	8/05/18	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	163	N/A	
		8/05/18	Arsenic	mg/L	Once per month during rain event		N/A	N/A	0.009	N/A	
		8/05/18	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A	
		8/05/18	Nitrate	mg/L	Once per month during rain event		N/A	N/A	175	N/A	
		8/05/18	Nitrite	mg/L	Once per month during rain event		N/A	N/A	0.6	N/A	
		8/05/18	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	331	N/A	
		8/05/18	pH	pH	Once per month during rain event		N/A	N/A	6.97	N/A	
		8/05/18	Phosphate	mg/L	Once per month during rain event		N/A	N/A	1.72	N/A	
		8/05/18	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event		N/A	N/A	0.05	N/A	
		8/05/18	Phosphorus (total)	mg/L	Once per month during rain event		N/A	N/A	0.56	N/A	
		8/05/18	TKN	mg/L	Once per month during rain event		N/A	N/A	155	N/A	
		8/05/18	TSS	mg/L	Once per month during rain event		N/A	N/A	70	N/A	
		8/05/18	Flow	kL/Day	Daily during discharge		7	9	244	52	1062
		14	Catchment 5 - Bagging South	8/05/18	Ammonia		mg/L	Once per month during rain event	1	N/A	N/A
8/05/18	Arsenic			mg/L	Once per month during rain event	N/A	N/A	0.001		N/A	
8/05/18	Chromium (hexavalent)			mg/L	Once per month during rain event	N/A	N/A	<0.01		N/A	
8/05/18	Nitrate			mg/L	Once per month during rain event	N/A	N/A	130		N/A	
8/05/18	Nitrite			mg/L	Once per month during rain event	N/A	N/A	<0.05		N/A	
8/05/18	Nitrogen (total)			mg/L	Once per month during rain event	N/A	N/A	251		N/A	
8/05/18	pH			pH	Once per month during rain event	N/A	N/A	6.81		N/A	
8/05/18	Phosphate			mg/L	Once per month during rain event	N/A	N/A	1.01		N/A	
8/05/18	Phosphorus (dissolved reactive)			mg/L	Once per month during rain event	N/A	N/A	0.012		N/A	
8/05/18	Phosphorus (total)			mg/L	Once per month during rain event	N/A	N/A	0.33		N/A	
8/05/18	TKN			mg/L	Once per month during rain event	N/A	N/A	121		N/A	
8/05/18	TSS			mg/L	Once per month during rain event	N/A	N/A	81		N/A	
8/05/18	Flow			kL/Day	Daily during discharge	4	29	182		76	548
15	Catchment 6 - Bagging North			8/05/18	Ammonia	mg/L	Once per month during rain event	1		N/A	N/A
		8/05/18	Arsenic	mg/L	Once per month during rain event	N/A	N/A		0.002	N/A	
		8/05/18	Chromium (hexavalent)	mg/L	Once per month during rain event	N/A	N/A		<0.01	N/A	
		8/05/18	Nitrate	mg/L	Once per month during rain event	N/A	N/A		48.80	N/A	
		8/05/18	Nitrite	mg/L	Once per month during rain event	N/A	N/A		<0.05	N/A	
		8/05/18	Nitrogen (total)	mg/L	Once per month during rain event	N/A	N/A		90.80	N/A	
		8/05/18	pH	pH	Once per month during rain event	N/A	N/A		6.16	N/A	
		8/05/18	Phosphate	mg/L	Once per month during rain event	N/A	N/A		6.13	N/A	
		8/05/18	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	N/A	N/A		1.60	N/A	
		8/05/18	Phosphorus (total)	mg/L	Once per month during rain event	N/A	N/A		2.00	N/A	
		8/05/18	TKN	mg/L	Once per month during rain event	N/A	N/A		42	N/A	
		8/05/18	TSS	mg/L	Once per month during rain event	N/A	N/A		39	N/A	
		8/05/18	Flow	kL/Day	Daily during discharge	2	55		171	171	288

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 2018 (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	11/04/18	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	15.0	N/A	
		11/04/18	Arsenic	mg/L	Once per month during rain event		N/A	N/A	0.006	N/A	
		11/04/18	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A	
		11/04/18	Nitrate	mg/L	Once per month during rain event		N/A	N/A	23.0	N/A	
		11/04/18	Nitrite	mg/L	Once per month during rain event		N/A	N/A	0.007	N/A	
		11/04/18	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	41	N/A	
		11/04/18	pH	pH	Once per month during rain event		N/A	N/A	7.13	N/A	
		11/04/18	Phosphate	mg/L	Once per month during rain event		N/A	N/A	5.12	N/A	
		11/04/18	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event		N/A	N/A	0.29	N/A	
		11/04/18	Phosphorus (total)	mg/L	Once per month during rain event		N/A	N/A	1.67	N/A	
		11/04/18	TKN	mg/L	Once per month during rain event		N/A	N/A	17.4	N/A	
		11/04/18	TSS	mg/L	Once per month during rain event		N/A	N/A	200	N/A	
		11/04/18	Flow	kL/Day	Daily during discharge		11	3	89	8	391
		11/04/18	Ammonia	mg/L	Once per month during rain event		1	N/A	N/A	1.04	N/A
11	Catchment 2 - Admin/NH3	11/04/18	Arsenic	mg/L	Once per month during rain event		N/A	N/A	0.005	N/A	
		11/04/18	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A	
		11/04/18	Nitrate	mg/L	Once per month during rain event		N/A	N/A	9.5	N/A	
		11/04/18	Nitrite	mg/L	Once per month during rain event		N/A	N/A	0.02	N/A	
		11/04/18	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	11.4	N/A	
		11/04/18	pH	pH	Once per month during rain event		N/A	N/A	7.06	N/A	
		11/04/18	Phosphate	mg/L	Once per month during rain event		N/A	N/A	0.44	N/A	
		11/04/18	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event		N/A	N/A	0.09	N/A	
		11/04/18	Phosphorus (total)	mg/L	Once per month during rain event		N/A	N/A	0.14	N/A	
		11/04/18	TKN	mg/L	Once per month during rain event		N/A	N/A	1.7	N/A	
		11/04/18	TSS	mg/L	Once per month during rain event		N/A	N/A	49	N/A	
		11/04/18	Flow	kL/Day	Daily during discharge		5	4	207	13	990
		11/04/18	Ammonia	mg/L	Once per month during rain event		1	N/A	N/A	0.73	N/A
		11/04/18	Arsenic	mg/L	Once per month during rain event		N/A	N/A	0.014	N/A	
12	Catchment 3 - Ammonia	11/04/18	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A	
		11/04/18	Nitrate	mg/L	Once per month during rain event		N/A	N/A	1.9	N/A	
		11/04/18	Nitrite	mg/L	Once per month during rain event		N/A	N/A	<0.05	N/A	
		11/04/18	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	4.4	N/A	
		11/04/18	pH	pH	Once per month during rain event		N/A	N/A	7.24	N/A	
		11/04/18	Phosphate	mg/L	Once per month during rain event		N/A	N/A	11.70	N/A	
		11/04/18	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event		N/A	N/A	0.27	N/A	
		11/04/18	Phosphorus (total)	mg/L	Once per month during rain event		N/A	N/A	3.80	N/A	
		11/04/18	TKN	mg/L	Once per month during rain event		N/A	N/A	2.5	N/A	
		11/04/18	TSS	mg/L	Once per month during rain event		N/A	N/A	227	N/A	
		11/04/18	Flow	kL/Day	Daily during discharge		6	2	204	14	1148

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 2018 (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	11/04/18	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	52.6	N/A			
		11/04/18	Arsenic	mg/L	Once per month during rain event		N/A	N/A	0.01	N/A			
		11/04/18	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A			
		11/04/18	Nitrate	mg/L	Once per month during rain event		N/A	N/A	68.6	N/A			
		11/04/18	Nitrite	mg/L	Once per month during rain event		N/A	N/A	0.22	N/A			
		11/04/18	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	118	N/A			
		11/04/18	pH	pH	Once per month during rain event		N/A	N/A	6.96	N/A			
		11/04/18	Phosphate	mg/L	Once per month during rain event		N/A	N/A	3.02	N/A			
		11/04/18	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event		N/A	N/A	0.04	N/A			
		11/04/18	Phosphorus (total)	mg/L	Once per month during rain event		N/A	N/A	0.98	N/A			
		11/04/18	TKN	mg/L	Once per month during rain event		N/A	N/A	48.8	N/A			
		11/04/18	TSS	mg/L	Once per month during rain event		N/A	N/A	191	N/A			
		11/04/18	Flow	kL/Day	Daily during discharge		2	7	698	698	1388		
		14	Catchment 5 - Bagging South	11/04/18	Ammonia		mg/L	Once per month during rain event	1	N/A	N/A	128	N/A
				11/04/18	Arsenic		mg/L	Once per month during rain event		N/A	N/A	<0.001	N/A
11/04/18	Chromium (hexavalent)			mg/L	Once per month during rain event	N/A	N/A	<0.01		N/A			
11/04/18	Nitrate			mg/L	Once per month during rain event	N/A	N/A	142		N/A			
11/04/18	Nitrite			mg/L	Once per month during rain event	N/A	N/A	1.77		N/A			
11/04/18	Nitrogen (total)			mg/L	Once per month during rain event	N/A	N/A	273		N/A			
11/04/18	pH			pH	Once per month during rain event	N/A	N/A	6.6		N/A			
11/04/18	Phosphate			mg/L	Once per month during rain event	N/A	N/A	1.24		N/A			
11/04/18	Phosphorus (dissolved reactive)			mg/L	Once per month during rain event	N/A	N/A	0.15		N/A			
11/04/18	Phosphorus (total)			mg/L	Once per month during rain event	N/A	N/A	0.4		N/A			
11/04/18	TKN			mg/L	Once per month during rain event	N/A	N/A	129		N/A			
11/04/18	TSS			mg/L	Once per month during rain event	N/A	N/A	34		N/A			
11/04/18	Flow			kL/Day	Daily during discharge	3	2	181		4	537		
15	Catchment 6 - Bagging North			11/04/18	Ammonia	mg/L	Once per month during rain event	0		N/A	N/A	N/A	N/A
				11/04/18	Arsenic	mg/L	Once per month during rain event			N/A	N/A	N/A	N/A
		11/04/18	Chromium (hexavalent)	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A			
		11/04/18	Nitrate	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A			
		11/04/18	Nitrite	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A			
		11/04/18	Nitrogen (total)	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A			
		11/04/18	pH	pH	Once per month during rain event	N/A	N/A		N/A	N/A			
		11/04/18	Phosphate	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A			
		11/04/18	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A			
		11/04/18	Phosphorus (total)	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A			
		11/04/18	TKN	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A			
		11/04/18	TSS	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A			
		11/04/18	Flow	kL/Day	Daily during discharge	4	4		102	10	383		

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: February 2018 (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	9/03/18	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	12.9	N/A	
		9/03/18	Arsenic	mg/L	Once per month during rain event		N/A	N/A	0.007	N/A	
		9/03/18	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A	
		9/03/18	Nitrate	mg/L	Once per month during rain event		N/A	N/A	23.6	N/A	
		9/03/18	Nitrite	mg/L	Once per month during rain event		N/A	N/A	0.15	N/A	
		9/03/18	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	39	N/A	
		9/03/18	pH	pH	Once per month during rain event		N/A	N/A	7.18	N/A	
		9/03/18	Phosphate	mg/L	Once per month during rain event		N/A	N/A	5.21	N/A	
		9/03/18	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event		N/A	N/A	0.25	N/A	
		9/03/18	Phosphorus (total)	mg/L	Once per month during rain event		N/A	N/A	1.70	N/A	
		9/03/18	TKN	mg/L	Once per month during rain event		N/A	N/A	15.4	N/A	
		9/03/18	TSS	mg/L	Once per month during rain event		N/A	N/A	198	N/A	
		9/03/18	Flow	kL/Day	Daily during discharge		12	2	77	8	391
		11	Catchment 2 - Admin/NH3	9/03/18	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	5.90
9/03/18	Arsenic			mg/L	Once per month during rain event		N/A	N/A	0.008	N/A	
9/03/18	Chromium (hexavalent)			mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A	
9/03/18	Nitrate			mg/L	Once per month during rain event		N/A	N/A	12.5	N/A	
9/03/18	Nitrite			mg/L	Once per month during rain event		N/A	N/A	0.07	N/A	
9/03/18	Nitrogen (total)			mg/L	Once per month during rain event		N/A	N/A	23.4	N/A	
9/03/18	pH			pH	Once per month during rain event		N/A	N/A	6.62	N/A	
9/03/18	Phosphate			mg/L	Once per month during rain event		N/A	N/A	3.37	N/A	
9/03/18	Phosphorus (dissolved reactive)			mg/L	Once per month during rain event		N/A	N/A	0.15	N/A	
9/03/18	Phosphorus (total)			mg/L	Once per month during rain event		N/A	N/A	1.10	N/A	
9/03/18	TKN			mg/L	Once per month during rain event		N/A	N/A	10.8	N/A	
9/03/18	TSS			mg/L	Once per month during rain event		N/A	N/A	107	N/A	
9/03/18	Flow			kL/Day	Daily during discharge		5	71	181	113	355
12	Catchment 3 - Ammonia			9/03/18	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	2.60
		9/03/18	Arsenic	mg/L	Once per month during rain event		N/A	N/A	0.019	N/A	
		9/03/18	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A	
		9/03/18	Nitrate	mg/L	Once per month during rain event		N/A	N/A	8.7	N/A	
		9/03/18	Nitrite	mg/L	Once per month during rain event		N/A	N/A	<0.05	N/A	
		9/03/18	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	14.6	N/A	
		9/03/18	pH	pH	Once per month during rain event		N/A	N/A	6.92	N/A	
		9/03/18	Phosphate	mg/L	Once per month during rain event		N/A	N/A	6.74	N/A	
		9/03/18	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event		N/A	N/A	0.24	N/A	
		9/03/18	Phosphorus (total)	mg/L	Once per month during rain event		N/A	N/A	2.20	N/A	
		9/03/18	TKN	mg/L	Once per month during rain event		N/A	N/A	5.9	N/A	
		9/03/18	TSS	mg/L	Once per month during rain event		N/A	N/A	171	N/A	
		9/03/18	Flow	kL/Day	Daily during discharge		6	1	167	125	414

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:February 2018 (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	9/03/18	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	139	N/A	
		9/03/18	Arsenic	mg/L	Once per month during rain event		N/A	N/A	0.004	N/A	
		9/03/18	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A	
		9/03/18	Nitrate	mg/L	Once per month during rain event		N/A	N/A	160	N/A	
		9/03/18	Nitrite	mg/L	Once per month during rain event		N/A	N/A	0.21	N/A	
		9/03/18	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	294	N/A	
		9/03/18	pH	pH	Once per month during rain event		N/A	N/A	7.19	N/A	
		9/03/18	Phosphate	mg/L	Once per month during rain event		N/A	N/A	1.44	N/A	
		9/03/18	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event		N/A	N/A	0.11	N/A	
		9/03/18	Phosphorus (total)	mg/L	Once per month during rain event		N/A	N/A	0.47	N/A	
		9/03/18	TKN	mg/L	Once per month during rain event		N/A	N/A	134	N/A	
		9/03/18	TSS	mg/L	Once per month during rain event		N/A	N/A	94	N/A	
		9/03/18	Flow	kL/Day	Daily during discharge		3	43	267	282	476
		14	Catchment 5 - Bagging South	9/03/18	Ammonia		mg/L	Once per month during rain event	1	N/A	N/A
9/03/18	Arsenic			mg/L	Once per month during rain event	N/A	N/A	0.002		N/A	
9/03/18	Chromium (hexavalent)			mg/L	Once per month during rain event	N/A	N/A	<0.01		N/A	
9/03/18	Nitrate			mg/L	Once per month during rain event	N/A	N/A	282		N/A	
9/03/18	Nitrite			mg/L	Once per month during rain event	N/A	N/A	0.09		N/A	
9/03/18	Nitrogen (total)			mg/L	Once per month during rain event	N/A	N/A	492		N/A	
9/03/18	pH			pH	Once per month during rain event	N/A	N/A	6.14		N/A	
9/03/18	Phosphate			mg/L	Once per month during rain event	N/A	N/A	1.59		N/A	
9/03/18	Phosphorus (dissolved reactive)			mg/L	Once per month during rain event	N/A	N/A	<0.05		N/A	
9/03/18	Phosphorus (total)			mg/L	Once per month during rain event	N/A	N/A	0.52		N/A	
9/03/18	TKN			mg/L	Once per month during rain event	N/A	N/A	210		N/A	
9/03/18	TSS			mg/L	Once per month during rain event	N/A	N/A	95		N/A	
9/03/18	Flow			kL/Day	Daily during discharge	4	3	92		66	234
15	Catchment 6 - Bagging North			9/03/18	Ammonia	mg/L	Once per month during rain event	1		N/A	N/A
		9/03/18	Arsenic	mg/L	Once per month during rain event	N/A	N/A		0.001	N/A	
		9/03/18	Chromium (hexavalent)	mg/L	Once per month during rain event	N/A	N/A		<0.01	N/A	
		9/03/18	Nitrate	mg/L	Once per month during rain event	N/A	N/A		46	N/A	
		9/03/18	Nitrite	mg/L	Once per month during rain event	N/A	N/A		0.18	N/A	
		9/03/18	Nitrogen (total)	mg/L	Once per month during rain event	N/A	N/A		79.3	N/A	
		9/03/18	pH	pH	Once per month during rain event	N/A	N/A		6.34	N/A	
		9/03/18	Phosphate	mg/L	Once per month during rain event	N/A	N/A		1.66	N/A	
		9/03/18	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	N/A	N/A		0.13	N/A	
		9/03/18	Phosphorus (total)	mg/L	Once per month during rain event	N/A	N/A		0.54	N/A	
		9/03/18	TKN	mg/L	Once per month during rain event	N/A	N/A		33.1	N/A	
		9/03/18	TSS	mg/L	Once per month during rain event	N/A	N/A		44	N/A	
		9/03/18	Flow	kL/Day	Daily during discharge	4	2		53	30	149

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: January 2018 (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	7/02/18	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	66.8	N/A	
		7/02/18	Arsenic	mg/L	Once per month during rain event		N/A	N/A	0.006	N/A	
		7/02/18	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A	
		7/02/18	Nitrate	mg/L	Once per month during rain event		N/A	N/A	109.0	N/A	
		7/02/18	Nitrite	mg/L	Once per month during rain event		N/A	N/A	0.38	N/A	
		7/02/18	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	172	N/A	
		7/02/18	pH	pH	Once per month during rain event		N/A	N/A	6.66	N/A	
		7/02/18	Phosphate	mg/L	Once per month during rain event		N/A	N/A	3.98	N/A	
		7/02/18	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event		N/A	N/A	0.37	N/A	
		7/02/18	Phosphorus (total)	mg/L	Once per month during rain event		N/A	N/A	1.30	N/A	
		7/02/18	TKN	mg/L	Once per month during rain event		N/A	N/A	63.0	N/A	
		7/02/18	TSS	mg/L	Once per month during rain event		N/A	N/A	132	N/A	
		7/02/18	Flow	kL/Day	Daily during discharge		5	2	8	4	13
		7/02/18	Ammonia	mg/L	Once per month during rain event		1	N/A	N/A	14.70	N/A
11	Catchment 2 - Admin/NH3	7/02/18	Arsenic	mg/L	Once per month during rain event		N/A	N/A	0.012	N/A	
		7/02/18	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A	
		7/02/18	Nitrate	mg/L	Once per month during rain event		N/A	N/A	34.4	N/A	
		7/02/18	Nitrite	mg/L	Once per month during rain event		N/A	N/A	0.14	N/A	
		7/02/18	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	49.4	N/A	
		7/02/18	pH	pH	Once per month during rain event		N/A	N/A	6.57	N/A	
		7/02/18	Phosphate	mg/L	Once per month during rain event		N/A	N/A	1.75	N/A	
		7/02/18	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event		N/A	N/A	0.25	N/A	
		7/02/18	Phosphorus (total)	mg/L	Once per month during rain event		N/A	N/A	0.57	N/A	
		7/02/18	TKN	mg/L	Once per month during rain event		N/A	N/A	14.9	N/A	
		7/02/18	TSS	mg/L	Once per month during rain event		N/A	N/A	59	N/A	
		7/02/18	Flow	kL/Day	Daily during discharge		9	2	17	6	43
		7/02/18	Ammonia	mg/L	Once per month during rain event		1	N/A	N/A	0.92	N/A
		7/02/18	Arsenic	mg/L	Once per month during rain event		N/A	N/A	0.026	N/A	
12	Catchment 3 - Ammonia	7/02/18	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A	
		7/02/18	Nitrate	mg/L	Once per month during rain event		N/A	N/A	4.4	N/A	
		7/02/18	Nitrite	mg/L	Once per month during rain event		N/A	N/A	0.05	N/A	
		7/02/18	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	6.7	N/A	
		7/02/18	pH	pH	Once per month during rain event		N/A	N/A	7.35	N/A	
		7/02/18	Phosphate	mg/L	Once per month during rain event		N/A	N/A	4.29	N/A	
		7/02/18	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event		N/A	N/A	0.86	N/A	
		7/02/18	Phosphorus (total)	mg/L	Once per month during rain event		N/A	N/A	1.40	N/A	
		7/02/18	TKN	mg/L	Once per month during rain event		N/A	N/A	2.3	N/A	
		7/02/18	TSS	mg/L	Once per month during rain event		N/A	N/A	41	N/A	
		7/02/18	Flow	kL/Day	Daily during discharge		4	2	10	6	23

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: January 2018 (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	7/02/18	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	415	N/A	
		7/02/18	Arsenic	mg/L	Once per month during rain event		N/A	N/A	0.002	N/A	
		7/02/18	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A	
		7/02/18	Nitrate	mg/L	Once per month during rain event		N/A	N/A	24.8	N/A	
		7/02/18	Nitrite	mg/L	Once per month during rain event		N/A	N/A	0.37	N/A	
		7/02/18	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	480	N/A	
		7/02/18	pH	pH	Once per month during rain event		N/A	N/A	10.3	N/A	
		7/02/18	Phosphate	mg/L	Once per month during rain event		N/A	N/A	0.55	N/A	
		7/02/18	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event		N/A	N/A	<0.05	N/A	
		7/02/18	Phosphorus (total)	mg/L	Once per month during rain event		N/A	N/A	0.18	N/A	
		7/02/18	TKN	mg/L	Once per month during rain event		N/A	N/A	455	N/A	
		7/02/18	TSS	mg/L	Once per month during rain event		N/A	N/A	44	N/A	
		7/02/18	Flow	kL/Day	Daily during discharge		2	3	7	7	11
		14	Catchment 5 - Bagging South	7/02/18	Ammonia		mg/L	Once per month during rain event	0	N/A	N/A
7/02/18	Arsenic			mg/L	Once per month during rain event	N/A	N/A	N/A		N/A	
7/02/18	Chromium (hexavalent)			mg/L	Once per month during rain event	N/A	N/A	N/A		N/A	
7/02/18	Nitrate			mg/L	Once per month during rain event	N/A	N/A	N/A		N/A	
7/02/18	Nitrite			mg/L	Once per month during rain event	N/A	N/A	N/A		N/A	
7/02/18	Nitrogen (total)			mg/L	Once per month during rain event	N/A	N/A	N/A		N/A	
7/02/18	pH			pH	Once per month during rain event	N/A	N/A	N/A		N/A	
7/02/18	Phosphate			mg/L	Once per month during rain event	N/A	N/A	N/A		N/A	
7/02/18	Phosphorus (dissolved reactive)			mg/L	Once per month during rain event	N/A	N/A	N/A		N/A	
7/02/18	Phosphorus (total)			mg/L	Once per month during rain event	N/A	N/A	N/A		N/A	
7/02/18	TKN			mg/L	Once per month during rain event	N/A	N/A	N/A		N/A	
7/02/18	TSS			mg/L	Once per month during rain event	N/A	N/A	N/A		N/A	
7/02/18	Flow			kL/Day	Daily during discharge	0	N/A	N/A		N/A	N/A
15	Catchment 6 - Bagging North			7/02/18	Ammonia	mg/L	Once per month during rain event	0		N/A	N/A
		7/02/18	Arsenic	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A	
		7/02/18	Chromium (hexavalent)	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A	
		7/02/18	Nitrate	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A	
		7/02/18	Nitrite	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A	
		7/02/18	Nitrogen (total)	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A	
		7/02/18	pH	pH	Once per month during rain event	N/A	N/A		N/A	N/A	
		7/02/18	Phosphate	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A	
		7/02/18	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A	
		7/02/18	Phosphorus (total)	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A	
		7/02/18	TKN	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A	
		7/02/18	TSS	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A	
		7/02/18	Flow	kL/Day	Daily during discharge	0	N/A		N/A	N/A	N/A

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: December 2017 (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	15/01/18	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	7.2	N/A			
		15/01/18	Arsenic	mg/L	Once per month during rain event		N/A	N/A	0.004	N/A			
		15/01/18	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A			
		15/01/18	Nitrate	mg/L	Once per month during rain event		N/A	N/A	16.2	N/A			
		15/01/18	Nitrite	mg/L	Once per month during rain event		N/A	N/A	0.21	N/A			
		15/01/18	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	27.0	N/A			
		15/01/18	pH	pH	Once per month during rain event		N/A	N/A	7.18	N/A			
		15/01/18	Phosphate	mg/L	Once per month during rain event		N/A	N/A	2.51	N/A			
		15/01/18	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event		N/A	N/A	0.15	N/A			
		15/01/18	Phosphorus (total)	mg/L	Once per month during rain event		N/A	N/A	0.82	N/A			
		15/01/18	TKN	mg/L	Once per month during rain event		N/A	N/A	10.6	N/A			
		15/01/18	TSS	mg/L	Once per month during rain event		N/A	N/A	89	N/A			
		15/01/18	Flow	kL/Day	Daily during discharge		9	1	30	4	67		
		11	Catchment 2 - Admin/NH3	15/01/18	Ammonia		mg/L	Once per month during rain event	1	N/A	N/A	1.40	N/A
				15/01/18	Arsenic		mg/L	Once per month during rain event		N/A	N/A	0.007	N/A
15/01/18	Chromium (hexavalent)			mg/L	Once per month during rain event	N/A	N/A	<0.01		N/A			
15/01/18	Nitrate			mg/L	Once per month during rain event	N/A	N/A	3.7		N/A			
15/01/18	Nitrite			mg/L	Once per month during rain event	N/A	N/A	0.07		N/A			
15/01/18	Nitrogen (total)			mg/L	Once per month during rain event	N/A	N/A	5.8		N/A			
15/01/18	pH			pH	Once per month during rain event	N/A	N/A	6.90		N/A			
15/01/18	Phosphate			mg/L	Once per month during rain event	N/A	N/A	1.75		N/A			
15/01/18	Phosphorus (dissolved reactive)			mg/L	Once per month during rain event	N/A	N/A	0.11		N/A			
15/01/18	Phosphorus (total)			mg/L	Once per month during rain event	N/A	N/A	0.57		N/A			
15/01/18	TKN			mg/L	Once per month during rain event	N/A	N/A	2.0		N/A			
15/01/18	TSS			mg/L	Once per month during rain event	N/A	N/A	48		N/A			
15/01/18	Flow			kL/Day	Daily during discharge	5	1	30		4	73		
12	Catchment 3 - Ammonia			15/01/18	Ammonia	mg/L	Once per month during rain event	1		N/A	N/A	0.67	N/A
				15/01/18	Arsenic	mg/L	Once per month during rain event			N/A	N/A	0.014	N/A
		15/01/18	Chromium (hexavalent)	mg/L	Once per month during rain event	N/A	N/A		<0.01	N/A			
		15/01/18	Nitrate	mg/L	Once per month during rain event	N/A	N/A		2.5	N/A			
		15/01/18	Nitrite	mg/L	Once per month during rain event	N/A	N/A		0.05	N/A			
		15/01/18	Nitrogen (total)	mg/L	Once per month during rain event	N/A	N/A		3.9	N/A			
		15/01/18	pH	pH	Once per month during rain event	N/A	N/A		7.15	N/A			
		15/01/18	Phosphate	mg/L	Once per month during rain event	N/A	N/A		3.98	N/A			
		15/01/18	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	N/A	N/A		0.27	N/A			
		15/01/18	Phosphorus (total)	mg/L	Once per month during rain event	N/A	N/A		1.30	N/A			
		15/01/18	TKN	mg/L	Once per month during rain event	N/A	N/A		1.4	N/A			
		15/01/18	TSS	mg/L	Once per month during rain event	N/A	N/A		73	N/A			
		15/01/18	Flow	kL/Day	Daily during discharge	2	2		36	36	69		

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: December 2017 (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	15/01/18	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	130	N/A	
		15/01/18	Arsenic	mg/L	Once per month during rain event		N/A	N/A	0.003	N/A	
		15/01/18	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A	
		15/01/18	Nitrate	mg/L	Once per month during rain event		N/A	N/A	145	N/A	
		15/01/18	Nitrite	mg/L	Once per month during rain event		N/A	N/A	0.37	N/A	
		15/01/18	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	273	N/A	
		15/01/18	pH	pH	Once per month during rain event		N/A	N/A	6.51	N/A	
		15/01/18	Phosphate	mg/L	Once per month during rain event		N/A	N/A	1.26	N/A	
		15/01/18	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event		N/A	N/A	<0.05	N/A	
		15/01/18	Phosphorus (total)	mg/L	Once per month during rain event		N/A	N/A	0.41	N/A	
		15/01/18	TKN	mg/L	Once per month during rain event		N/A	N/A	128	N/A	
		15/01/18	TSS	mg/L	Once per month during rain event		N/A	N/A	48	N/A	
		15/01/18	Flow	kL/Day	Daily during discharge		3	6	21	20	37
		14	Catchment 5 - Bagging South	15/01/18	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	118
15/01/18	Arsenic			mg/L	Once per month during rain event		N/A	N/A	<0.001	N/A	
15/01/18	Chromium (hexavalent)			mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A	
15/01/18	Nitrate			mg/L	Once per month during rain event		N/A	N/A	143	N/A	
15/01/18	Nitrite			mg/L	Once per month during rain event		N/A	N/A	0.25	N/A	
15/01/18	Nitrogen (total)			mg/L	Once per month during rain event		N/A	N/A	256	N/A	
15/01/18	pH			pH	Once per month during rain event		N/A	N/A	6.98	N/A	
15/01/18	Phosphate			mg/L	Once per month during rain event		N/A	N/A	0.24	N/A	
15/01/18	Phosphorus (dissolved reactive)			mg/L	Once per month during rain event		N/A	N/A	<0.05	N/A	
15/01/18	Phosphorus (total)			mg/L	Once per month during rain event		N/A	N/A	0.08	N/A	
15/01/18	TKN			mg/L	Once per month during rain event		N/A	N/A	113	N/A	
15/01/18	TSS			mg/L	Once per month during rain event		N/A	N/A	<5	N/A	
15/01/18	Flow			kL/Day	Daily during discharge		2	26	31	31	35
15	Catchment 6 - Bagging North			15/01/18	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	37.1
		15/01/18	Arsenic	mg/L	Once per month during rain event		N/A	N/A	<0.001	N/A	
		15/01/18	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A	
		15/01/18	Nitrate	mg/L	Once per month during rain event		N/A	N/A	48	N/A	
		15/01/18	Nitrite	mg/L	Once per month during rain event		N/A	N/A	0.14	N/A	
		15/01/18	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	87.3	N/A	
		15/01/18	pH	pH	Once per month during rain event		N/A	N/A	6.14	N/A	
		15/01/18	Phosphate	mg/L	Once per month during rain event		N/A	N/A	0.55	N/A	
		15/01/18	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event		N/A	N/A	0.06	N/A	
		15/01/18	Phosphorus (total)	mg/L	Once per month during rain event		N/A	N/A	0.18	N/A	
		15/01/18	TKN	mg/L	Once per month during rain event		N/A	N/A	39.2	N/A	
		15/01/18	TSS	mg/L	Once per month during rain event		N/A	N/A	9	N/A	
		15/01/18	Flow	kL/Day	Daily during discharge		1	N/A	N/A	9	N/A

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:November 2017 (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	11/12/17	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	6.2	N/A		
		11/12/17	Arsenic	mg/L	Once per month during rain event		N/A	N/A	<0.001	N/A		
		11/12/17	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A		
		11/12/17	Nitrate	mg/L	Once per month during rain event		N/A	N/A	10.8	N/A		
		11/12/17	Nitrite	mg/L	Once per month during rain event		N/A	N/A	0.13	N/A		
		11/12/17	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	18.9	N/A		
		11/12/17	pH	pH	Once per month during rain event		N/A	N/A	6.98	N/A		
		11/12/17	Phosphate	mg/L	Once per month during rain event		N/A	N/A	1.95	N/A		
		11/12/17	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event		N/A	N/A	0.37	N/A		
		11/12/17	Phosphorus (total)	mg/L	Once per month during rain event		N/A	N/A	0.64	N/A		
		11/12/17	TKN	mg/L	Once per month during rain event		N/A	N/A	8.0	N/A		
		11/12/17	TSS	mg/L	Once per month during rain event		N/A	N/A	29	N/A		
		11/12/17	Flow	kL/Day	Daily during discharge		17	1	47	8	275	
		11	Catchment 2 - Admin/NH3	11/12/17	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	6.98	N/A
				11/12/17	Arsenic	mg/L	Once per month during rain event		N/A	N/A	0.006	N/A
				11/12/17	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A
				11/12/17	Nitrate	mg/L	Once per month during rain event		N/A	N/A	14.3	N/A
11/12/17	Nitrite			mg/L	Once per month during rain event		N/A	N/A	0.21	N/A		
11/12/17	Nitrogen (total)			mg/L	Once per month during rain event		N/A	N/A	24.0	N/A		
11/12/17	pH			pH	Once per month during rain event		N/A	N/A	6.99	N/A		
11/12/17	Phosphate			mg/L	Once per month during rain event		N/A	N/A	1.76	N/A		
11/12/17	Phosphorus (dissolved reactive)			mg/L	Once per month during rain event		N/A	N/A	0.39	N/A		
11/12/17	Phosphorus (total)			mg/L	Once per month during rain event		N/A	N/A	0.57	N/A		
11/12/17	TKN			mg/L	Once per month during rain event		N/A	N/A	9.5	N/A		
11/12/17	TSS			mg/L	Once per month during rain event		N/A	N/A	16	N/A		
11/12/17	Flow			kL/Day	Daily during discharge		7	3	80	52	291	
12	Catchment 3 - Ammonia			11/12/17	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	0.68	N/A
				11/12/17	Arsenic	mg/L	Once per month during rain event		N/A	N/A	0.007	N/A
				11/12/17	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A
				11/12/17	Nitrate	mg/L	Once per month during rain event		N/A	N/A	2.6	N/A
		11/12/17	Nitrite	mg/L	Once per month during rain event		N/A	N/A	0.05	N/A		
		11/12/17	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	4.3	N/A		
		11/12/17	pH	pH	Once per month during rain event		N/A	N/A	6.94	N/A		
		11/12/17	Phosphate	mg/L	Once per month during rain event		N/A	N/A	2.48	N/A		
		11/12/17	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event		N/A	N/A	0.18	N/A		
		11/12/17	Phosphorus (total)	mg/L	Once per month during rain event		N/A	N/A	0.81	N/A		
		11/12/17	TKN	mg/L	Once per month during rain event		N/A	N/A	1.6	N/A		
		11/12/17	TSS	mg/L	Once per month during rain event		N/A	N/A	40	N/A		
		11/12/17	Flow	kL/Day	Daily during discharge		7	4	103	59	357	

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: November 2017 (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	11/12/17	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	24.4	N/A
		11/12/17	Arsenic	mg/L	Once per month during rain event		N/A	N/A	<0.001	N/A
		11/12/17	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A
		11/12/17	Nitrate	mg/L	Once per month during rain event		N/A	N/A	27.8	N/A
		11/12/17	Nitrite	mg/L	Once per month during rain event		N/A	N/A	0.17	N/A
		11/12/17	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	62.1	N/A
		11/12/17	pH	pH	Once per month during rain event		N/A	N/A	6.58	N/A
		11/12/17	Phosphate	mg/L	Once per month during rain event		N/A	N/A	0.71	N/A
		11/12/17	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event		N/A	N/A	0.08	N/A
		11/12/17	Phosphorus (total)	mg/L	Once per month during rain event		N/A	N/A	0.23	N/A
		11/12/17	TKN	mg/L	Once per month during rain event		N/A	N/A	34.1	N/A
		11/12/17	TSS	mg/L	Once per month during rain event		N/A	N/A	26	N/A
		11/12/17	Flow	kL/Day	Daily during discharge	3	1	98	25	270
		14	Catchment 5 - Bagging South	11/12/17	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A
11/12/17	Arsenic			mg/L	Once per month during rain event		N/A	N/A	0.002	N/A
11/12/17	Chromium (hexavalent)			mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A
11/12/17	Nitrate			mg/L	Once per month during rain event		N/A	N/A	50.6	N/A
11/12/17	Nitrite			mg/L	Once per month during rain event		N/A	N/A	0.06	N/A
11/12/17	Nitrogen (total)			mg/L	Once per month during rain event		N/A	N/A	98.7	N/A
11/12/17	pH			pH	Once per month during rain event		N/A	N/A	6.36	N/A
11/12/17	Phosphate			mg/L	Once per month during rain event		N/A	N/A	1.86	N/A
11/12/17	Phosphorus (dissolved reactive)			mg/L	Once per month during rain event		N/A	N/A	0.3	N/A
11/12/17	Phosphorus (total)			mg/L	Once per month during rain event		N/A	N/A	0.61	N/A
11/12/17	TKN			mg/L	Once per month during rain event		N/A	N/A	48	N/A
11/12/17	TSS			mg/L	Once per month during rain event		N/A	N/A	100	N/A
11/12/17	Flow			kL/Day	Daily during discharge	1	N/A	N/A	108	N/A
15	Catchment 6 - Bagging North			11/12/17	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A
		11/12/17	Arsenic	mg/L	Once per month during rain event		N/A	N/A	<0.001	N/A
		11/12/17	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A
		11/12/17	Nitrate	mg/L	Once per month during rain event		N/A	N/A	13.3	N/A
		11/12/17	Nitrite	mg/L	Once per month during rain event		N/A	N/A	0.04	N/A
		11/12/17	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	24.1	N/A
		11/12/17	pH	pH	Once per month during rain event		N/A	N/A	6.85	N/A
		11/12/17	Phosphate	mg/L	Once per month during rain event		N/A	N/A	1.35	N/A
		11/12/17	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event		N/A	N/A	0.41	N/A
		11/12/17	Phosphorus (total)	mg/L	Once per month during rain event		N/A	N/A	0.44	N/A
		11/12/17	TKN	mg/L	Once per month during rain event		N/A	N/A	10.8	N/A
		11/12/17	TSS	mg/L	Once per month during rain event		N/A	N/A	14	N/A
		11/12/17	Flow	kL/Day	Daily during discharge	1	N/A	N/A	51	N/A

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:October 2017 (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	3/11/17	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	15.4	N/A		
		3/11/17	Arsenic	mg/L	Once per month during rain event		N/A	N/A	0.002	N/A		
		3/11/17	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A		
		3/11/17	Nitrate	mg/L	Once per month during rain event		N/A	N/A	28.0	N/A		
		3/11/17	Nitrite	mg/L	Once per month during rain event		N/A	N/A	0.09	N/A		
		3/11/17	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	54.8	N/A		
		3/11/17	pH	pH	Once per month during rain event		N/A	N/A	6.78	N/A		
		3/11/17	Phosphate	mg/L	Once per month during rain event		N/A	N/A	2.49	N/A		
		3/11/17	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event		N/A	N/A	0.24	N/A		
		3/11/17	Phosphorus (total)	mg/L	Once per month during rain event		N/A	N/A	0.81	N/A		
		3/11/17	TKN	mg/L	Once per month during rain event		N/A	N/A	26.7	N/A		
		3/11/17	TSS	mg/L	Once per month during rain event		N/A	N/A	84	N/A		
		3/11/17	Flow	kL/Day	Daily during discharge	15	1	40	15	169		
		11	Catchment 2 - Admin/NH3	3/11/17	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	3.29	N/A
				3/11/17	Arsenic	mg/L	Once per month during rain event		N/A	N/A	0.006	N/A
3/11/17	Chromium (hexavalent)			mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A		
3/11/17	Nitrate			mg/L	Once per month during rain event		N/A	N/A	8.4	N/A		
3/11/17	Nitrite			mg/L	Once per month during rain event		N/A	N/A	0.04	N/A		
3/11/17	Nitrogen (total)			mg/L	Once per month during rain event		N/A	N/A	12.7	N/A		
3/11/17	pH			pH	Once per month during rain event		N/A	N/A	6.79	N/A		
3/11/17	Phosphate			mg/L	Once per month during rain event		N/A	N/A	1.40	N/A		
3/11/17	Phosphorus (dissolved reactive)			mg/L	Once per month during rain event		N/A	N/A	0.09	N/A		
3/11/17	Phosphorus (total)			mg/L	Once per month during rain event		N/A	N/A	0.46	N/A		
3/11/17	TKN			mg/L	Once per month during rain event		N/A	N/A	4.3	N/A		
3/11/17	TSS			mg/L	Once per month during rain event		N/A	N/A	64	N/A		
3/11/17	Flow			kL/Day	Daily during discharge	8	3	56	50	125		
12	Catchment 3 - Ammonia			3/11/17	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	1.44	N/A
				3/11/17	Arsenic	mg/L	Once per month during rain event		N/A	N/A	0.014	N/A
		3/11/17	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A		
		3/11/17	Nitrate	mg/L	Once per month during rain event		N/A	N/A	4.7	N/A		
		3/11/17	Nitrite	mg/L	Once per month during rain event		N/A	N/A	0.03	N/A		
		3/11/17	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	7.5	N/A		
		3/11/17	pH	pH	Once per month during rain event		N/A	N/A	6.96	N/A		
		3/11/17	Phosphate	mg/L	Once per month during rain event		N/A	N/A	3.22	N/A		
		3/11/17	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event		N/A	N/A	0.13	N/A		
		3/11/17	Phosphorus (total)	mg/L	Once per month during rain event		N/A	N/A	1.05	N/A		
		3/11/17	TKN	mg/L	Once per month during rain event		N/A	N/A	2.8	N/A		
		3/11/17	TSS	mg/L	Once per month during rain event		N/A	N/A	111	N/A		
		3/11/17	Flow	kL/Day	Daily during discharge	8	5	72	61	176		

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: October 2017 (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	3/11/17	Ammonia	mg/L	Once per month during rain event	No stormwater discharge during October	N/A	N/A	N/A	N/A
		3/11/17	Arsenic	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		3/11/17	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		3/11/17	Nitrate	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		3/11/17	Nitrite	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		3/11/17	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		3/11/17	pH	pH	Once per month during rain event		N/A	N/A	N/A	N/A
		3/11/17	Phosphate	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		3/11/17	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		3/11/17	Phosphorus (total)	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		3/11/17	TKN	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		3/11/17	TSS	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		3/11/17	Flow	kL/Day	Daily during discharge		N/A	N/A	N/A	N/A
		14	Catchment 5 - Bagging South	3/11/17	Ammonia		mg/L	Once per month during rain event	No stormwater discharge during October	N/A
3/11/17	Arsenic			mg/L	Once per month during rain event	N/A	N/A	N/A		N/A
3/11/17	Chromium (hexavalent)			mg/L	Once per month during rain event	N/A	N/A	N/A		N/A
3/11/17	Nitrate			mg/L	Once per month during rain event	N/A	N/A	N/A		N/A
3/11/17	Nitrite			mg/L	Once per month during rain event	N/A	N/A	N/A		N/A
3/11/17	Nitrogen (total)			mg/L	Once per month during rain event	N/A	N/A	N/A		N/A
3/11/17	pH			pH	Once per month during rain event	N/A	N/A	N/A		N/A
3/11/17	Phosphate			mg/L	Once per month during rain event	N/A	N/A	N/A		N/A
3/11/17	Phosphorus (dissolved reactive)			mg/L	Once per month during rain event	N/A	N/A	N/A		N/A
3/11/17	Phosphorus (total)			mg/L	Once per month during rain event	N/A	N/A	N/A		N/A
3/11/17	TKN			mg/L	Once per month during rain event	N/A	N/A	N/A		N/A
3/11/17	TSS			mg/L	Once per month during rain event	N/A	N/A	N/A		N/A
3/11/17	Flow			kL/Day	Daily during discharge	N/A	N/A	N/A		N/A
15	Catchment 6 - Bagging North			3/11/17	Ammonia	mg/L	Once per month during rain event	No stormwater discharge during October		N/A
		3/11/17	Arsenic	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A
		3/11/17	Chromium (hexavalent)	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A
		3/11/17	Nitrate	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A
		3/11/17	Nitrite	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A
		3/11/17	Nitrogen (total)	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A
		3/11/17	pH	pH	Once per month during rain event	N/A	N/A		N/A	N/A
		3/11/17	Phosphate	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A
		3/11/17	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A
		3/11/17	Phosphorus (total)	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A
		3/11/17	TKN	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A
		3/11/17	TSS	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A
		3/11/17	Flow	kL/Day	Daily during discharge	N/A	N/A		N/A	N/A

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:September 2017 (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	5/10/17	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	16.0	N/A
		5/10/17	Arsenic	mg/L	Once per month during rain event		N/A	N/A	0.003	N/A
		5/10/17	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A
		5/10/17	Nitrate	mg/L	Once per month during rain event		N/A	N/A	22.5	N/A
		5/10/17	Nitrite	mg/L	Once per month during rain event		N/A	N/A	0.16	N/A
		5/10/17	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	43.3	N/A
		5/10/17	pH	pH	Once per month during rain event		N/A	N/A	6.78	N/A
		5/10/17	Phosphate	mg/L	Once per month during rain event		N/A	N/A	12.90	N/A
		5/10/17	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event		N/A	N/A	3.25	N/A
		5/10/17	Phosphorus (total)	mg/L	Once per month during rain event		N/A	N/A	4.21	N/A
		5/10/17	TKN	mg/L	Once per month during rain event		N/A	N/A	20.6	N/A
		5/10/17	TSS	mg/L	Once per month during rain event		N/A	N/A	60	N/A
		5/10/17	Flow	kL/Day	Daily during discharge	6	1	12	2	62
		5/10/17	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	7.26	N/A
		5/10/17	Arsenic	mg/L	Once per month during rain event		N/A	N/A	0.005	N/A
5/10/17	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A		
5/10/17	Nitrate	mg/L	Once per month during rain event		N/A	N/A	11.7	N/A		
5/10/17	Nitrite	mg/L	Once per month during rain event		N/A	N/A	0.07	N/A		
5/10/17	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	20.2	N/A		
5/10/17	pH	pH	Once per month during rain event		N/A	N/A	6.84	N/A		
5/10/17	Phosphate	mg/L	Once per month during rain event		N/A	N/A	4.89	N/A		
5/10/17	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event		N/A	N/A	0.83	N/A		
5/10/17	Phosphorus (total)	mg/L	Once per month during rain event		N/A	N/A	1.60	N/A		
5/10/17	TKN	mg/L	Once per month during rain event		N/A	N/A	8.4	N/A		
5/10/17	TSS	mg/L	Once per month during rain event		N/A	N/A	36	N/A		
5/10/17	Flow	kL/Day	Daily during discharge	2	2	27	27	51		
12	Catchment 3 - Ammonia	5/10/17	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	3.34	N/A
		5/10/17	Arsenic	mg/L	Once per month during rain event		N/A	N/A	0.02	N/A
		5/10/17	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A
		5/10/17	Nitrate	mg/L	Once per month during rain event		N/A	N/A	8.1	N/A
		5/10/17	Nitrite	mg/L	Once per month during rain event		N/A	N/A	0.08	N/A
		5/10/17	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	13.9	N/A
		5/10/17	pH	pH	Once per month during rain event		N/A	N/A	7.06	N/A
		5/10/17	Phosphate	mg/L	Once per month during rain event		N/A	N/A	3.64	N/A
		5/10/17	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event		N/A	N/A	0.29	N/A
		5/10/17	Phosphorus (total)	mg/L	Once per month during rain event		N/A	N/A	1.18	N/A
		5/10/17	TKN	mg/L	Once per month during rain event		N/A	N/A	5.8	N/A
		5/10/17	TSS	mg/L	Once per month during rain event		N/A	N/A	68	N/A
		5/10/17	Flow	kL/Day	Daily during discharge	2	2	34	34	67

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: September 2017 (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	5/10/17	Ammonia	mg/L	Once per month during rain event	No stormwater discharge during September	N/A	N/A	N/A	N/A		
		5/10/17	Arsenic	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A		
		5/10/17	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A		
		5/10/17	Nitrate	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A		
		5/10/17	Nitrite	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A		
		5/10/17	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A		
		5/10/17	pH	pH	Once per month during rain event		N/A	N/A	N/A	N/A		
		5/10/17	Phosphate	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A		
		5/10/17	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A		
		5/10/17	Phosphorus (total)	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A		
		5/10/17	TKN	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A		
		5/10/17	TSS	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A		
		5/10/17	Flow	kL/Day	Daily during discharge		N/A	N/A	N/A	N/A		
		14	Catchment 5 - Bagging South	5/10/17	Ammonia	mg/L	Once per month during rain event	No stormwater discharge during September	N/A	N/A	N/A	N/A
				5/10/17	Arsenic	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
5/10/17	Chromium (hexavalent)			mg/L	Once per month during rain event		N/A	N/A	N/A	N/A		
5/10/17	Nitrate			mg/L	Once per month during rain event		N/A	N/A	N/A	N/A		
5/10/17	Nitrite			mg/L	Once per month during rain event		N/A	N/A	N/A	N/A		
5/10/17	Nitrogen (total)			mg/L	Once per month during rain event		N/A	N/A	N/A	N/A		
5/10/17	pH			pH	Once per month during rain event		N/A	N/A	N/A	N/A		
5/10/17	Phosphate			mg/L	Once per month during rain event		N/A	N/A	N/A	N/A		
5/10/17	Phosphorus (dissolved reactive)			mg/L	Once per month during rain event		N/A	N/A	N/A	N/A		
5/10/17	Phosphorus (total)			mg/L	Once per month during rain event		N/A	N/A	N/A	N/A		
5/10/17	TKN			mg/L	Once per month during rain event		N/A	N/A	N/A	N/A		
5/10/17	TSS			mg/L	Once per month during rain event		N/A	N/A	N/A	N/A		
5/10/17	Flow			kL/Day	Daily during discharge		N/A	N/A	N/A	N/A		
15	Catchment 6 - Bagging North			5/10/17	Ammonia	mg/L	Once per month during rain event	No stormwater discharge during September	N/A	N/A	N/A	N/A
				5/10/17	Arsenic	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		5/10/17	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A		
		5/10/17	Nitrate	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A		
		5/10/17	Nitrite	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A		
		5/10/17	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A		
		5/10/17	pH	pH	Once per month during rain event		N/A	N/A	N/A	N/A		
		5/10/17	Phosphate	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A		
		5/10/17	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A		
		5/10/17	Phosphorus (total)	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A		
		5/10/17	TKN	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A		
		5/10/17	TSS	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A		
		5/10/17	Flow	kL/Day	Daily during discharge		N/A	N/A	N/A	N/A		

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: August 2017 (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	7/09/17	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	12.0	N/A		
		7/09/17	Arsenic	mg/L	Once per month during rain event		N/A	N/A	0.004	N/A		
		7/09/17	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A		
		7/09/17	Nitrate	mg/L	Once per month during rain event		N/A	N/A	20.9	N/A		
		7/09/17	Nitrite	mg/L	Once per month during rain event		N/A	N/A	0.09	N/A		
		7/09/17	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	21.0	N/A		
		7/09/17	pH	pH	Once per month during rain event		N/A	N/A	7.34	N/A		
		7/09/17	Phosphate	mg/L	Once per month during rain event		N/A	N/A	2.79	N/A		
		7/09/17	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event		N/A	N/A	0.18	N/A		
		7/09/17	Phosphorus (total)	mg/L	Once per month during rain event		N/A	N/A	0.91	N/A		
		7/09/17	TKN	mg/L	Once per month during rain event		N/A	N/A	13.5	N/A		
		7/09/17	TSS	mg/L	Once per month during rain event		N/A	N/A	112	N/A		
		7/09/17	Flow	kL/Day	Daily during discharge		11	1	21	5	148	
		11	Catchment 2 - Admin/NH3	7/09/17	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	6.56	N/A
				7/09/17	Arsenic	mg/L	Once per month during rain event		N/A	N/A	0.005	N/A
7/09/17	Chromium (hexavalent)			mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A		
7/09/17	Nitrate			mg/L	Once per month during rain event		N/A	N/A	9.8	N/A		
7/09/17	Nitrite			mg/L	Once per month during rain event		N/A	N/A	0.06	N/A		
7/09/17	Nitrogen (total)			mg/L	Once per month during rain event		N/A	N/A	17.4	N/A		
7/09/17	pH			pH	Once per month during rain event		N/A	N/A	6.99	N/A		
7/09/17	Phosphate			mg/L	Once per month during rain event		N/A	N/A	1.41	N/A		
7/09/17	Phosphorus (dissolved reactive)			mg/L	Once per month during rain event		N/A	N/A	0.11	N/A		
7/09/17	Phosphorus (total)			mg/L	Once per month during rain event		N/A	N/A	0.46	N/A		
7/09/17	TKN			mg/L	Once per month during rain event		N/A	N/A	7.6	N/A		
7/09/17	TSS			mg/L	Once per month during rain event		N/A	N/A	21	N/A		
7/09/17	Flow			kL/Day	Daily during discharge		5	11	39	15	124	
12	Catchment 3 - Ammonia			7/09/17	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	4.14	N/A
				7/09/17	Arsenic	mg/L	Once per month during rain event		N/A	N/A	0.03	N/A
		7/09/17	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A		
		7/09/17	Nitrate	mg/L	Once per month during rain event		N/A	N/A	8.1	N/A		
		7/09/17	Nitrite	mg/L	Once per month during rain event		N/A	N/A	0.1	N/A		
		7/09/17	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	14.0	N/A		
		7/09/17	pH	pH	Once per month during rain event		N/A	N/A	7.13	N/A		
		7/09/17	Phosphate	mg/L	Once per month during rain event		N/A	N/A	3.66	N/A		
		7/09/17	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event		N/A	N/A	0.22	N/A		
		7/09/17	Phosphorus (total)	mg/L	Once per month during rain event		N/A	N/A	1.19	N/A		
		7/09/17	TKN	mg/L	Once per month during rain event		N/A	N/A	5.9	N/A		
		7/09/17	TSS	mg/L	Once per month during rain event		N/A	N/A	89	N/A		
		7/09/17	Flow	kL/Day	Daily during discharge		6	8	41	18	146	

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: August 2017 (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	7/09/17	Ammonia	mg/L	Once per month during rain event	No stormwater discharge during August	N/A	N/A	N/A	N/A
		7/09/17	Arsenic	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		7/09/17	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		7/09/17	Nitrate	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		7/09/17	Nitrite	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		7/09/17	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		7/09/17	pH	pH	Once per month during rain event		N/A	N/A	N/A	N/A
		7/09/17	Phosphate	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		7/09/17	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		7/09/17	Phosphorus (total)	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		7/09/17	TKN	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		7/09/17	TSS	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		7/09/17	Flow	kL/Day	Daily during discharge		N/A	N/A	N/A	N/A
		14	Catchment 5 - Bagging South	7/09/17	Ammonia		mg/L	Once per month during rain event	No stormwater discharge during August	N/A
7/09/17	Arsenic			mg/L	Once per month during rain event	N/A	N/A	N/A		N/A
7/09/17	Chromium (hexavalent)			mg/L	Once per month during rain event	N/A	N/A	N/A		N/A
7/09/17	Nitrate			mg/L	Once per month during rain event	N/A	N/A	N/A		N/A
7/09/17	Nitrite			mg/L	Once per month during rain event	N/A	N/A	N/A		N/A
7/09/17	Nitrogen (total)			mg/L	Once per month during rain event	N/A	N/A	N/A		N/A
7/09/17	pH			pH	Once per month during rain event	N/A	N/A	N/A		N/A
7/09/17	Phosphate			mg/L	Once per month during rain event	N/A	N/A	N/A		N/A
7/09/17	Phosphorus (dissolved reactive)			mg/L	Once per month during rain event	N/A	N/A	N/A		N/A
7/09/17	Phosphorus (total)			mg/L	Once per month during rain event	N/A	N/A	N/A		N/A
7/09/17	TKN			mg/L	Once per month during rain event	N/A	N/A	N/A		N/A
7/09/17	TSS			mg/L	Once per month during rain event	N/A	N/A	N/A		N/A
7/09/17	Flow			kL/Day	Daily during discharge	N/A	N/A	N/A		N/A
15	Catchment 6 - Bagging North			7/09/17	Ammonia	mg/L	Once per month during rain event	No stormwater discharge during August		N/A
		7/09/17	Arsenic	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A
		7/09/17	Chromium (hexavalent)	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A
		7/09/17	Nitrate	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A
		7/09/17	Nitrite	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A
		7/09/17	Nitrogen (total)	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A
		7/09/17	pH	pH	Once per month during rain event	N/A	N/A		N/A	N/A
		7/09/17	Phosphate	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A
		7/09/17	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A
		7/09/17	Phosphorus (total)	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A
		7/09/17	TKN	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A
		7/09/17	TSS	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A
		7/09/17	Flow	kL/Day	Daily during discharge	N/A	N/A		N/A	N/A

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: July 2017 (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	2/08/17	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	11.4	N/A	
		2/08/17	Arsenic	mg/L	Once per month during rain event		N/A	N/A	0.002	N/A	
		2/08/17	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A	
		2/08/17	Nitrate	mg/L	Once per month during rain event		N/A	N/A	18.9	N/A	
		2/08/17	Nitrite	mg/L	Once per month during rain event		N/A	N/A	0.20	N/A	
		2/08/17	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	36.7	N/A	
		2/08/17	pH	pH	Once per month during rain event		N/A	N/A	6.97	N/A	
		2/08/17	Phosphate	mg/L	Once per month during rain event		N/A	N/A	3.33	N/A	
		2/08/17	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event		N/A	N/A	0.37	N/A	
		2/08/17	Phosphorus (total)	mg/L	Once per month during rain event		N/A	N/A	1.09	N/A	
		2/08/17	TKN	mg/L	Once per month during rain event		N/A	N/A	17.6	N/A	
		2/08/17	TSS	mg/L	Once per month during rain event		N/A	N/A	97	N/A	
		2/08/17	Flow	kL/Day	Daily during discharge		14	2	71	61	206
		11	Catchment 2 - Admin/NH3	2/08/17	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	8.47
2/08/17	Arsenic			mg/L	Once per month during rain event		N/A	N/A	0.003	N/A	
2/08/17	Chromium (hexavalent)			mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A	
2/08/17	Nitrate			mg/L	Once per month during rain event		N/A	N/A	13.4	N/A	
2/08/17	Nitrite			mg/L	Once per month during rain event		N/A	N/A	0.08	N/A	
2/08/17	Nitrogen (total)			mg/L	Once per month during rain event		N/A	N/A	17.4	N/A	
2/08/17	pH			pH	Once per month during rain event		N/A	N/A	7.11	N/A	
2/08/17	Phosphate			mg/L	Once per month during rain event		N/A	N/A	2.51	N/A	
2/08/17	Phosphorus (dissolved reactive)			mg/L	Once per month during rain event		N/A	N/A	0.20	N/A	
2/08/17	Phosphorus (total)			mg/L	Once per month during rain event		N/A	N/A	0.82	N/A	
2/08/17	TKN			mg/L	Once per month during rain event		N/A	N/A	10.7	N/A	
2/08/17	TSS			mg/L	Once per month during rain event		N/A	N/A	49	N/A	
2/08/17	Flow			kL/Day	Daily during discharge		2	84	115	115	146
12	Catchment 3 - Ammonia			2/08/17	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	5.69
		2/08/17	Arsenic	mg/L	Once per month during rain event		N/A	N/A	0.03	N/A	
		2/08/17	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A	
		2/08/17	Nitrate	mg/L	Once per month during rain event		N/A	N/A	9.8	N/A	
		2/08/17	Nitrite	mg/L	Once per month during rain event		N/A	N/A	0.1	N/A	
		2/08/17	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	17.3	N/A	
		2/08/17	pH	pH	Once per month during rain event		N/A	N/A	7.30	N/A	
		2/08/17	Phosphate	mg/L	Once per month during rain event		N/A	N/A	4.34	N/A	
		2/08/17	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event		N/A	N/A	0.37	N/A	
		2/08/17	Phosphorus (total)	mg/L	Once per month during rain event		N/A	N/A	1.42	N/A	
		2/08/17	TKN	mg/L	Once per month during rain event		N/A	N/A	7.4	N/A	
		2/08/17	TSS	mg/L	Once per month during rain event		N/A	N/A	90	N/A	
		2/08/17	Flow	kL/Day	Daily during discharge		2	109	178	178	248

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: July 2017 (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	2/08/17	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	31.5	N/A	
		2/08/17	Arsenic	mg/L	Once per month during rain event		N/A	N/A	0.001	N/A	
		2/08/17	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A	
		2/08/17	Nitrate	mg/L	Once per month during rain event		N/A	N/A	41.3	N/A	
		2/08/17	Nitrite	mg/L	Once per month during rain event		N/A	N/A	0.48	N/A	
		2/08/17	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	81	N/A	
		2/08/17	pH	pH	Once per month during rain event		N/A	N/A	7.14	N/A	
		2/08/17	Phosphate	mg/L	Once per month during rain event		N/A	N/A	0.42	N/A	
		2/08/17	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event		N/A	N/A	0.06	N/A	
		2/08/17	Phosphorus (total)	mg/L	Once per month during rain event		N/A	N/A	0.14	N/A	
		2/08/17	TKN	mg/L	Once per month during rain event		N/A	N/A	39.6	N/A	
		2/08/17	TSS	mg/L	Once per month during rain event		N/A	N/A	24	N/A	
		2/08/17	Flow	kL/Day	Daily during discharge		1	N/A	N/A	162	N/A
		14	Catchment 5 - Bagging South	2/08/17	Ammonia		mg/L	Once per month during rain event	1	N/A	N/A
2/08/17	Arsenic			mg/L	Once per month during rain event	N/A	N/A	<0.001		N/A	
2/08/17	Chromium (hexavalent)			mg/L	Once per month during rain event	N/A	N/A	<0.01		N/A	
2/08/17	Nitrate			mg/L	Once per month during rain event	N/A	N/A	19.8		N/A	
2/08/17	Nitrite			mg/L	Once per month during rain event	N/A	N/A	0.11		N/A	
2/08/17	Nitrogen (total)			mg/L	Once per month during rain event	N/A	N/A	41.1		N/A	
2/08/17	pH			pH	Once per month during rain event	N/A	N/A	6.62		N/A	
2/08/17	Phosphate			mg/L	Once per month during rain event	N/A	N/A	0.51		N/A	
2/08/17	Phosphorus (dissolved reactive)			mg/L	Once per month during rain event	N/A	N/A	0.08		N/A	
2/08/17	Phosphorus (total)			mg/L	Once per month during rain event	N/A	N/A	0.16		N/A	
2/08/17	TKN			mg/L	Once per month during rain event	N/A	N/A	21		N/A	
2/08/17	TSS			mg/L	Once per month during rain event	N/A	N/A	52		N/A	
2/08/17	Flow			kL/Day	Daily during discharge	1	N/A	N/A		8	N/A
15	Catchment 6 - Bagging North			2/08/17	Ammonia	mg/L	Once per month during rain event	No stormwater discharge during July		N/A	N/A
		2/08/17	Arsenic	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A	
		2/08/17	Chromium (hexavalent)	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A	
		2/08/17	Nitrate	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A	
		2/08/17	Nitrite	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A	
		2/08/17	Nitrogen (total)	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A	
		2/08/17	pH	pH	Once per month during rain event	N/A	N/A		N/A	N/A	
		2/08/17	Phosphate	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A	
		2/08/17	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A	
		2/08/17	Phosphorus (total)	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A	
		2/08/17	TKN	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A	
		2/08/17	TSS	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A	
		2/08/17	Flow	kL/Day	Daily during discharge		N/A		N/A	N/A	N/A



Orica Kooragang Island Monitoring Points 10 - 15

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: June 2017 (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	7/07/17	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	6.14	N/A		
		7/07/17	Arsenic	mg/L	Once per month during rain event		N/A	N/A	0.005	N/A		
		7/07/17	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A		
		7/07/17	Nitrate	mg/L	Once per month during rain event		N/A	N/A	14.1	N/A		
		7/07/17	Nitrite	mg/L	Once per month during rain event		N/A	N/A	0.31	N/A		
		7/07/17	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	25.7	N/A		
		7/07/17	pH	pH	Once per month during rain event		N/A	N/A	7.29	N/A		
		7/07/17	Phosphate	mg/L	Once per month during rain event		N/A	N/A	6.08	N/A		
		7/07/17	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event		N/A	N/A	0.83	N/A		
		7/07/17	Phosphorus (total)	mg/L	Once per month during rain event		N/A	N/A	1.98	N/A		
		7/07/17	TKN	mg/L	Once per month during rain event		N/A	N/A	11.3	N/A		
		7/07/17	TSS	mg/L	Once per month during rain event		N/A	N/A	152	N/A		
		7/07/17	Flow	kL/Day	Daily during discharge	15	2	95	14	496		
		11	Catchment 2 - Admin/NH3	7/07/17	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	5.81	N/A
				7/07/17	Arsenic	mg/L	Once per month during rain event		N/A	N/A	0.006	N/A
7/07/17	Chromium (hexavalent)			mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A		
7/07/17	Nitrate			mg/L	Once per month during rain event		N/A	N/A	8.57	N/A		
7/07/17	Nitrite			mg/L	Once per month during rain event		N/A	N/A	0.10	N/A		
7/07/17	Nitrogen (total)			mg/L	Once per month during rain event		N/A	N/A	17.4	N/A		
7/07/17	pH			pH	Once per month during rain event		N/A	N/A	7.18	N/A		
7/07/17	Phosphate			mg/L	Once per month during rain event		N/A	N/A	1.28	N/A		
7/07/17	Phosphorus (dissolved reactive)			mg/L	Once per month during rain event		N/A	N/A	0.21	N/A		
7/07/17	Phosphorus (total)			mg/L	Once per month during rain event		N/A	N/A	0.00	N/A		
7/07/17	TKN			mg/L	Once per month during rain event		N/A	N/A	0.42	N/A		
7/07/17	TSS			mg/L	Once per month during rain event		N/A	N/A	72	N/A		
7/07/17	Flow			kL/Day	Daily during discharge	11	2	154	38	835		
12	Catchment 3 - Ammonia			7/07/17	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	2.81	N/A
				7/07/17	Arsenic	mg/L	Once per month during rain event		N/A	N/A	0.02	N/A
		7/07/17	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A		
		7/07/17	Nitrate	mg/L	Once per month during rain event		N/A	N/A	6.39	N/A		
		7/07/17	Nitrite	mg/L	Once per month during rain event		N/A	N/A	0.2	N/A		
		7/07/17	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	12.8	N/A		
		7/07/17	pH	pH	Once per month during rain event		N/A	N/A	7.50	N/A		
		7/07/17	Phosphate	mg/L	Once per month during rain event		N/A	N/A	7.02	N/A		
		7/07/17	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event		N/A	N/A	0.27	N/A		
		7/07/17	Phosphorus (total)	mg/L	Once per month during rain event		N/A	N/A	2.29	N/A		
		7/07/17	TKN	mg/L	Once per month during rain event		N/A	N/A	6.2	N/A		
		7/07/17	TSS	mg/L	Once per month during rain event		N/A	N/A	138	N/A		
		7/07/17	Flow	kL/Day	Daily during discharge	13	1	179	27	1048		



Orica Kooragang Island Monitoring Points 10 - 15

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: June 2017 (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	7/07/17	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	53.1	N/A	
		7/07/17	Arsenic	mg/L	Once per month during rain event		N/A	N/A	0.004	N/A	
		7/07/17	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A	
		7/07/17	Nitrate	mg/L	Once per month during rain event		N/A	N/A	56.6	N/A	
		7/07/17	Nitrite	mg/L	Once per month during rain event		N/A	N/A	0.84	N/A	
		7/07/17	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	107	N/A	
		7/07/17	pH	pH	Once per month during rain event		N/A	N/A	6.79	N/A	
		7/07/17	Phosphate	mg/L	Once per month during rain event		N/A	N/A	1.95	N/A	
		7/07/17	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event		N/A	N/A	0.06	N/A	
		7/07/17	Phosphorus (total)	mg/L	Once per month during rain event		N/A	N/A	0.64	N/A	
		7/07/17	TKN	mg/L	Once per month during rain event		N/A	N/A	50.0	N/A	
		7/07/17	TSS	mg/L	Once per month during rain event		N/A	N/A	163	N/A	
		7/07/17	Flow	kL/Day	Daily during discharge		5	10	305	304	839
		14	Catchment 5 - Bagging South	7/07/17	Ammonia		mg/L	Once per month during rain event	1	N/A	N/A
7/07/17	Arsenic			mg/L	Once per month during rain event	N/A	N/A	0.002		N/A	
7/07/17	Chromium (hexavalent)			mg/L	Once per month during rain event	N/A	N/A	<0.01		N/A	
7/07/17	Nitrate			mg/L	Once per month during rain event	N/A	N/A	24.1		N/A	
7/07/17	Nitrite			mg/L	Once per month during rain event	N/A	N/A	0.08		N/A	
7/07/17	Nitrogen (total)			mg/L	Once per month during rain event	N/A	N/A	44.2		N/A	
7/07/17	pH			pH	Once per month during rain event	N/A	N/A	6.24		N/A	
7/07/17	Phosphate			mg/L	Once per month during rain event	N/A	N/A	1.58		N/A	
7/07/17	Phosphorus (dissolved reactive)			mg/L	Once per month during rain event	N/A	N/A	0.06		N/A	
7/07/17	Phosphorus (total)			mg/L	Once per month during rain event	N/A	N/A	0.52		N/A	
7/07/17	TKN			mg/L	Once per month during rain event	N/A	N/A	20		N/A	
7/07/17	TSS			mg/L	Once per month during rain event	N/A	N/A	184		N/A	
7/07/17	Flow			kL/Day	Daily during discharge	4	11	164		129	387
15	Catchment 6 - Bagging North			7/07/17	Ammonia	mg/L	Once per month during rain event	1		N/A	N/A
		7/07/17	Arsenic	mg/L	Once per month during rain event	N/A	N/A		0.002	N/A	
		7/07/17	Chromium (hexavalent)	mg/L	Once per month during rain event	N/A	N/A		<0.01	N/A	
		7/07/17	Nitrate	mg/L	Once per month during rain event	N/A	N/A		11.9	N/A	
		7/07/17	Nitrite	mg/L	Once per month during rain event	N/A	N/A		0.07	N/A	
		7/07/17	Nitrogen (total)	mg/L	Once per month during rain event	N/A	N/A		20	N/A	
		7/07/17	pH	pH	Once per month during rain event	N/A	N/A		6.83	N/A	
		7/07/17	Phosphate	mg/L	Once per month during rain event	N/A	N/A		2.49	N/A	
		7/07/17	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	N/A	N/A		0.09	N/A	
		7/07/17	Phosphorus (total)	mg/L	Once per month during rain event	N/A	N/A		0.81	N/A	
		7/07/17	TKN	mg/L	Once per month during rain event	N/A	N/A		8	N/A	
		7/07/17	TSS	mg/L	Once per month during rain event	N/A	N/A		89	N/A	
		7/07/17	Flow	kL/Day	Daily during discharge	2	23		67	67	112



Orica Kooragang Island Monitoring Points 10 - 15

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: May 2017 (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	1/06/17	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	1.1	N/A
		1/06/17	Arsenic	mg/L	Once per month during rain event		N/A	N/A	0.007	N/A
		1/06/17	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A
		1/06/17	Nitrate	mg/L	Once per month during rain event		N/A	N/A	9.53	N/A
		1/06/17	Nitrite	mg/L	Once per month during rain event		N/A	N/A	0.08	N/A
		1/06/17	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	12.3	N/A
		1/06/17	pH	pH	Once per month during rain event		N/A	N/A	7.74	N/A
		1/06/17	Phosphate	mg/L	Once per month during rain event		N/A	N/A	5.6	N/A
		1/06/17	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event		N/A	N/A	0.10	N/A
		1/06/17	Phosphorus (total)	mg/L	Once per month during rain event		N/A	N/A	1.82	N/A
		1/06/17	TKN	mg/L	Once per month during rain event		N/A	N/A	2.7	N/A
		1/06/17	TSS	mg/L	Once per month during rain event		N/A	N/A	137	N/A
		1/06/17	Flow	kL/Day	Daily during discharge	16	6	16	11	64
		11	Catchment 2 - Admin/NH3	1/06/17	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A
1/06/17	Arsenic			mg/L	Once per month during rain event		N/A	N/A	0.006	N/A
1/06/17	Chromium (hexavalent)			mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A
1/06/17	Nitrate			mg/L	Once per month during rain event		N/A	N/A	10.90	N/A
1/06/17	Nitrite			mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A
1/06/17	Nitrogen (total)			mg/L	Once per month during rain event		N/A	N/A	12.1	N/A
1/06/17	pH			pH	Once per month during rain event		N/A	N/A	7.99	N/A
1/06/17	Phosphate			mg/L	Once per month during rain event		N/A	N/A	0.14	N/A
1/06/17	Phosphorus (dissolved reactive)			mg/L	Once per month during rain event		N/A	N/A	0.09	N/A
1/06/17	Phosphorus (total)			mg/L	Once per month during rain event		N/A	N/A	0.05	N/A
1/06/17	TKN			mg/L	Once per month during rain event		N/A	N/A	1.2	N/A
1/06/17	TSS			mg/L	Once per month during rain event		N/A	N/A	<5	N/A
1/06/17	Flow			kL/Day	Daily during discharge	4	6	12	11	18
12	Catchment 3 - Ammonia			1/06/17	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A
		1/06/17	Arsenic	mg/L	Once per month during rain event		N/A	N/A	0.01	N/A
		1/06/17	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A
		1/06/17	Nitrate	mg/L	Once per month during rain event		N/A	N/A	13.30	N/A
		1/06/17	Nitrite	mg/L	Once per month during rain event		N/A	N/A	0.20	N/A
		1/06/17	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	18.60	N/A
		1/06/17	pH	pH	Once per month during rain event		N/A	N/A	7.53	N/A
		1/06/17	Phosphate	mg/L	Once per month during rain event		N/A	N/A	2.8	N/A
		1/06/17	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event		N/A	N/A	0.31	N/A
		1/06/17	Phosphorus (total)	mg/L	Once per month during rain event		N/A	N/A	0.9	N/A
		1/06/17	TKN	mg/L	Once per month during rain event		N/A	N/A	5.1	N/A
		1/06/17	TSS	mg/L	Once per month during rain event		N/A	N/A	32	N/A
		1/06/17	Flow	kL/Day	Daily during discharge	6	1	8	7	25



Orica Kooragang Island Monitoring Points 10 - 15

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: May 2017 (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	1/06/17	Ammonia	mg/L	Once per month during rain event	No stormwater discharge during May	N/A	N/A	N/A	N/A
		1/06/17	Arsenic	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		1/06/17	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		1/06/17	Nitrate	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		1/06/17	Nitrite	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		1/06/17	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		1/06/17	pH	pH	Once per month during rain event		N/A	N/A	N/A	N/A
		1/06/17	Phosphate	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		1/06/17	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		1/06/17	Phosphorus (total)	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		1/06/17	TKN	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		1/06/17	TSS	mg/L	Once per month during rain event		N/A	N/A	N/A	N/A
		1/06/17	Flow	kL/Day	Daily during discharge		N/A	N/A	N/A	N/A
		14	Catchment 5 - Bagging South	1/06/17	Ammonia		mg/L	Once per month during rain event	No stormwater discharge during May	N/A
1/06/17	Arsenic			mg/L	Once per month during rain event	N/A	N/A	N/A		N/A
1/06/17	Chromium (hexavalent)			mg/L	Once per month during rain event	N/A	N/A	N/A		N/A
1/06/17	Nitrate			mg/L	Once per month during rain event	N/A	N/A	N/A		N/A
1/06/17	Nitrite			mg/L	Once per month during rain event	N/A	N/A	N/A		N/A
1/06/17	Nitrogen (total)			mg/L	Once per month during rain event	N/A	N/A	N/A		N/A
1/06/17	pH			pH	Once per month during rain event	N/A	N/A	N/A		N/A
1/06/17	Phosphate			mg/L	Once per month during rain event	N/A	N/A	N/A		N/A
1/06/17	Phosphorus (dissolved reactive)			mg/L	Once per month during rain event	N/A	N/A	N/A		N/A
1/06/17	Phosphorus (total)			mg/L	Once per month during rain event	N/A	N/A	N/A		N/A
1/06/17	TKN			mg/L	Once per month during rain event	N/A	N/A	N/A		N/A
1/06/17	TSS			mg/L	Once per month during rain event	N/A	N/A	N/A		N/A
1/06/17	Flow			kL/Day	Daily during discharge	N/A	N/A	N/A		N/A
15	Catchment 6 - Bagging North			1/06/17	Ammonia	mg/L	Once per month during rain event	No stormwater discharge during May		N/A
		1/06/17	Arsenic	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A
		1/06/17	Chromium (hexavalent)	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A
		1/06/17	Nitrate	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A
		1/06/17	Nitrite	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A
		1/06/17	Nitrogen (total)	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A
		1/06/17	pH	pH	Once per month during rain event	N/A	N/A		N/A	N/A
		1/06/17	Phosphate	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A
		1/06/17	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A
		1/06/17	Phosphorus (total)	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A
		1/06/17	TKN	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A
		1/06/17	TSS	mg/L	Once per month during rain event	N/A	N/A		N/A	N/A
		1/06/17	Flow	kL/Day	Daily during discharge	N/A	N/A		N/A	N/A



Orica Kooragang Island Monitoring Points 10 - 15

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: April 2017 (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	1/05/17	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	13.3	N/A	
		1/05/17	Arsenic	mg/L	Once per month during rain event		N/A	N/A	0.002	N/A	
		1/05/17	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A	
		1/05/17	Nitrate	mg/L	Once per month during rain event		N/A	N/A	23.80	N/A	
		1/05/17	Nitrite	mg/L	Once per month during rain event		N/A	N/A	0.17	N/A	
		1/05/17	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	38.4	N/A	
		1/05/17	pH	pH	Once per month during rain event		N/A	N/A	7.13	N/A	
		1/05/17	Phosphate	mg/L	Once per month during rain event		N/A	N/A	1.0	N/A	
		1/05/17	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event		N/A	N/A	0.12	N/A	
		1/05/17	Phosphorus (total)	mg/L	Once per month during rain event		N/A	N/A	0.34	N/A	
		1/05/17	TKN	mg/L	Once per month during rain event		N/A	N/A	14.4	N/A	
		1/05/17	TSS	mg/L	Once per month during rain event		N/A	N/A	24	N/A	
		1/05/17	Flow	kL/Day	Daily during discharge		28	3	44	30	214
		11	Catchment 2 - Admin/NH3	1/05/17	Ammonia		mg/L	Once per month during rain event	1	N/A	N/A
1/05/17	Arsenic			mg/L	Once per month during rain event	N/A	N/A	0.010		N/A	
1/05/17	Chromium (hexavalent)			mg/L	Once per month during rain event	N/A	N/A	<0.01		N/A	
1/05/17	Nitrate			mg/L	Once per month during rain event	N/A	N/A	0.44		N/A	
1/05/17	Nitrite			mg/L	Once per month during rain event	N/A	N/A	0.10		N/A	
1/05/17	Nitrogen (total)			mg/L	Once per month during rain event	N/A	N/A	12.3		N/A	
1/05/17	pH			pH	Once per month during rain event	N/A	N/A	7.30		N/A	
1/05/17	Phosphate			mg/L	Once per month during rain event	N/A	N/A	0.91		N/A	
1/05/17	Phosphorus (dissolved reactive)			mg/L	Once per month during rain event	N/A	N/A	0.09		N/A	
1/05/17	Phosphorus (total)			mg/L	Once per month during rain event	N/A	N/A	0.30		N/A	
1/05/17	TKN			mg/L	Once per month during rain event	N/A	N/A	1.8		N/A	
1/05/17	TSS			mg/L	Once per month during rain event	N/A	N/A	11		N/A	
1/05/17	Flow			kL/Day	Daily during discharge	13	5	50		17	198
12	Catchment 3 - Ammonia			1/05/17	Ammonia	mg/L	Once per month during rain event	1		N/A	N/A
		1/05/17	Arsenic	mg/L	Once per month during rain event	N/A	N/A		0.01	N/A	
		1/05/17	Chromium (hexavalent)	mg/L	Once per month during rain event	N/A	N/A		0.02	N/A	
		1/05/17	Nitrate	mg/L	Once per month during rain event	N/A	N/A		5.58	N/A	
		1/05/17	Nitrite	mg/L	Once per month during rain event	N/A	N/A		0.13	N/A	
		1/05/17	Nitrogen (total)	mg/L	Once per month during rain event	N/A	N/A		8.60	N/A	
		1/05/17	pH	pH	Once per month during rain event	N/A	N/A		7.29	N/A	
		1/05/17	Phosphate	mg/L	Once per month during rain event	N/A	N/A		6.8	N/A	
		1/05/17	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	N/A	N/A		0.18	N/A	
		1/05/17	Phosphorus (total)	mg/L	Once per month during rain event	N/A	N/A		2.2	N/A	
		1/05/17	TKN	mg/L	Once per month during rain event	N/A	N/A		3.0	N/A	
		1/05/17	TSS	mg/L	Once per month during rain event	N/A	N/A		97	N/A	
		1/05/17	Flow	kL/Day	Daily during discharge	15	2		53	20	273



Orica Kooragang Island Monitoring Points 10 - 15

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: April 2017 (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	1/05/17	Ammonia	mg/L	Once per month during rain event	1	N/A	N/A	29.8	N/A	
		1/05/17	Arsenic	mg/L	Once per month during rain event		N/A	N/A	0.001	N/A	
		1/05/17	Chromium (hexavalent)	mg/L	Once per month during rain event		N/A	N/A	<0.01	N/A	
		1/05/17	Nitrate	mg/L	Once per month during rain event		N/A	N/A	45.7	N/A	
		1/05/17	Nitrite	mg/L	Once per month during rain event		N/A	N/A	0.23	N/A	
		1/05/17	Nitrogen (total)	mg/L	Once per month during rain event		N/A	N/A	78	N/A	
		1/05/17	pH	pH	Once per month during rain event		N/A	N/A	6.40	N/A	
		1/05/17	Phosphate	mg/L	Once per month during rain event		N/A	N/A	1.28	N/A	
		1/05/17	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event		N/A	N/A	0.02	N/A	
		1/05/17	Phosphorus (total)	mg/L	Once per month during rain event		N/A	N/A	0.42	N/A	
		1/05/17	TKN	mg/L	Once per month during rain event		N/A	N/A	33	N/A	
		1/05/17	TSS	mg/L	Once per month during rain event		N/A	N/A	39	N/A	
		1/05/17	Flow	kL/Day	Daily during discharge		7	3	50	26	136
		14	Catchment 5 - Bagging South	1/05/17	Ammonia		mg/L	Once per month during rain event	1	N/A	N/A
1/05/17	Arsenic			mg/L	Once per month during rain event	N/A	N/A	<0.001		N/A	
1/05/17	Chromium (hexavalent)			mg/L	Once per month during rain event	N/A	N/A	<0.01		N/A	
1/05/17	Nitrate			mg/L	Once per month during rain event	N/A	N/A	62.3		N/A	
1/05/17	Nitrite			mg/L	Once per month during rain event	N/A	N/A	0.4		N/A	
1/05/17	Nitrogen (total)			mg/L	Once per month during rain event	N/A	N/A	119		N/A	
1/05/17	pH			pH	Once per month during rain event	N/A	N/A	7.3		N/A	
1/05/17	Phosphate			mg/L	Once per month during rain event	N/A	N/A	0.61		N/A	
1/05/17	Phosphorus (dissolved reactive)			mg/L	Once per month during rain event	N/A	N/A	0.30		N/A	
1/05/17	Phosphorus (total)			mg/L	Once per month during rain event	N/A	N/A	0.20		N/A	
1/05/17	TKN			mg/L	Once per month during rain event	N/A	N/A	56		N/A	
1/05/17	TSS			mg/L	Once per month during rain event	N/A	N/A	8		N/A	
1/05/17	Flow			kL/Day	Daily during discharge	4	14	30		25	55
15	Catchment 6 - Bagging North			1/05/17	Ammonia	mg/L	Once per month during rain event	1		N/A	N/A
		1/05/17	Arsenic	mg/L	Once per month during rain event	N/A	N/A		<0.001	N/A	
		1/05/17	Chromium (hexavalent)	mg/L	Once per month during rain event	N/A	N/A		<0.01	N/A	
		1/05/17	Nitrate	mg/L	Once per month during rain event	N/A	N/A		11.4	N/A	
		1/05/17	Nitrite	mg/L	Once per month during rain event	N/A	N/A		0.05	N/A	
		1/05/17	Nitrogen (total)	mg/L	Once per month during rain event	N/A	N/A		20	N/A	
		1/05/17	pH	pH	Once per month during rain event	N/A	N/A		7.29	N/A	
		1/05/17	Phosphate	mg/L	Once per month during rain event	N/A	N/A		0.28	N/A	
		1/05/17	Phosphorus (dissolved reactive)	mg/L	Once per month during rain event	N/A	N/A		0.01	N/A	
		1/05/17	Phosphorus (total)	mg/L	Once per month during rain event	N/A	N/A		0.09	N/A	
		1/05/17	TKN	mg/L	Once per month during rain event	N/A	N/A		9	N/A	
		1/05/17	TSS	mg/L	Once per month during rain event	N/A	N/A		15	N/A	
		1/05/17	Flow	kL/Day	Daily during discharge	2	9		12	12	14