



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/ViewPOEOLicence.aspx?DOCID=32838&SYSUID=1&LICID=828
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 2013

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	14/03/13	Arsenic	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		14/03/13	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		14/03/13	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	8	n/a	n/a
		14/03/13	pH	pH	Once per month during rain event	1	n/a	6.6	n/a	n/a
		14/03/13	Phosphate	mg/L	Once per month during rain event	1	n/a	1	n/a	n/a
		14/03/13	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	133	n/a	n/a
11	Catchment 2 - Admin/NH3	14/03/13	Arsenic	mg/L	Once per month during rain event	1	n/a	0.04	n/a	n/a
		14/03/13	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	0.01	n/a	n/a
		14/03/13	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	1	n/a	n/a
		14/03/12	pH	pH	Once per month during rain event	1	n/a	6.4	n/a	n/a
		14/03/13	Phosphate	mg/L	Once per month during rain event	1	n/a	0.5	n/a	n/a
		14/03/13	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	186	n/a	n/a
12	Catchment 3 - Ammonia	14/03/13	Arsenic	mg/L	Once per month during rain event	1	n/a	0.01	n/a	n/a
		14/03/13	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	0.01	n/a	n/a
		14/03/13	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	1	n/a	n/a
		14/03/13	pH	pH	Once per month during rain event	1	n/a	6.5	n/a	n/a
		14/03/13	Phosphate	mg/L	Once per month during rain event	1	n/a	4	n/a	n/a
		14/03/13	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	87	n/a	n/a
13	Catchment 4 - Nitrates	14/03/13	Arsenic	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		14/03/13	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	0.01	n/a	n/a
		14/03/13	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	967	n/a	n/a
		14/03/13	pH	pH	Once per month during rain event	1	n/a	6.6	n/a	n/a
		14/03/13	Phosphate	mg/L	Once per month during rain event	1	n/a	<0.1	n/a	n/a
		14/03/13	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	54	n/a	n/a
14	Catchment 5 - Bagging South	14/03/13	Arsenic	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		14/03/13	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		14/03/13	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	223	n/a	n/a
		14/03/13	pH	pH	Once per month during rain event	1	n/a	5.75	n/a	n/a
		14/03/13	Phosphate	mg/L	Once per month during rain event	1	n/a	0.5	n/a	n/a
		14/03/13	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	50	n/a	n/a
15	Catchment 6 - Bagging North	14/03/13	Arsenic	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		14/03/13	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		14/03/13	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	9	n/a	n/a
		14/03/13	pH	pH	Once per month during rain event	1	n/a	5.76	n/a	n/a
		14/03/13	Phosphate	mg/L	Once per month during rain event	1	n/a	0.1	n/a	n/a
		14/03/13	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	27	n/a	n/a



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

Monthly Summary: February 2013

Monitoring Point	Location of Monitoring Point	Date Published	Pollutant	Units of Measure	Monitoring Frequency Required by Licence	No. of Times measured during month	Min. Value	Mean Value	Median Value	Max. Value
10	Catchment 1 - Ammonia Storage	14/02/13	Arsenic	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		14/02/13	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		14/02/13	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	7	n/a	n/a
		14/02/13	pH	pH	Once per month during rain event	1	n/a	7.1	n/a	n/a
		14/02/13	Phosphate	mg/L	Once per month during rain event	1	n/a	<0.1	n/a	n/a
		14/02/13	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	2650	n/a	n/a
11	Catchment 2 - Admin/NH3	14/02/13	Arsenic	mg/L	Once per month during rain event	1	n/a	0.06	n/a	n/a
		14/02/13	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		14/02/13	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	63	n/a	n/a
		14/02/12	pH	pH	Once per month during rain event	1	n/a	7.1	n/a	n/a
		14/02/13	Phosphate	mg/L	Once per month during rain event	1	n/a	0.1	n/a	n/a
		14/02/13	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	57	n/a	n/a
12	Catchment 3 - Ammonia	14/02/13	Arsenic	mg/L	Once per month during rain event	1	n/a	0.01	n/a	n/a
		14/02/13	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		14/02/13	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	7	n/a	n/a
		14/02/13	pH	pH	Once per month during rain event	1	n/a	7.2	n/a	n/a
		14/02/13	Phosphate	mg/L	Once per month during rain event	1	n/a	0.6	n/a	n/a
		14/02/13	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	53	n/a	n/a
13	Catchment 4 - Nitrates	14/02/13	Arsenic	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		14/02/13	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		14/02/13	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	340	n/a	n/a
		14/02/13	pH	pH	Once per month during rain event	1	n/a	7	n/a	n/a
		14/02/13	Phosphate	mg/L	Once per month during rain event	1	n/a	<0.1	n/a	n/a
		14/02/13	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	2820	n/a	n/a
14	Catchment 5 - Bagging South	14/02/13	Arsenic	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		14/02/13	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		14/02/13	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	37	n/a	n/a
		14/02/13	pH	pH	Once per month during rain event	1	n/a	7.1	n/a	n/a
		14/02/13	Phosphate	mg/L	Once per month during rain event	1	n/a	<0.1	n/a	n/a
		14/02/13	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	1030	n/a	n/a
15	Catchment 6 - Bagging North	14/02/13	Arsenic	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		14/02/13	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		14/02/13	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	51	n/a	n/a
		14/02/13	pH	pH	Once per month during rain event	1	n/a	6.7	n/a	n/a
		14/02/13	Phosphate	mg/L	Once per month during rain event	1	n/a	<0.1	n/a	n/a
		14/02/13	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	12	n/a	n/a



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Licensee Address: 15 Greenleaf Rd, KOORAGANG NSW 2304

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Concentration Limit: See licence M2.3

Monthly Summary: January 2013

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	25/01/13	Arsenic	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		25/01/13	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		25/01/13	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	58	n/a	n/a
		25/01/13	pH	pH	Once per month during rain event	1	n/a	6.1	n/a	n/a
		25/01/13	Phosphate	mg/L	Once per month during rain event	1	n/a	0.6	n/a	n/a
		25/01/13	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	27	n/a	n/a
11	Catchment 2 - Admin/NH3	25/01/13	Arsenic	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		25/01/13	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		25/01/13	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	21	n/a	n/a
		25/01/12	pH	pH	Once per month during rain event	1	n/a	6.2	n/a	n/a
		25/01/13	Phosphate	mg/L	Once per month during rain event	1	n/a	0.2	n/a	n/a
		25/01/13	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	15	n/a	n/a
12	Catchment 3 - Ammonia	25/01/13	Arsenic	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		25/01/13	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		25/01/13	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	1	n/a	n/a
		25/01/13	pH	pH	Once per month during rain event	1	n/a	6.5	n/a	n/a
		25/01/13	Phosphate	mg/L	Once per month during rain event	1	n/a	0.7	n/a	n/a
		25/01/13	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	30	n/a	n/a
13	Catchment 4 - Nitrates	25/01/13	Arsenic	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		25/01/13	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	0.02	n/a	n/a
		25/01/13	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	585	n/a	n/a
		25/01/13	pH	pH	Once per month during rain event	1	n/a	7.1	n/a	n/a
		25/01/13	Phosphate	mg/L	Once per month during rain event	1	n/a	0.5	n/a	n/a
		25/01/13	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	26	n/a	n/a
14	Catchment 5 - Bagging South	25/01/13	Arsenic	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		25/01/13	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		25/01/13	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	173	n/a	n/a
		25/01/13	pH	pH	Once per month during rain event	1	n/a	6.8	n/a	n/a
		25/01/13	Phosphate	mg/L	Once per month during rain event	1	n/a	0.6	n/a	n/a
		25/01/13	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	63	n/a	n/a
15	Catchment 6 - Bagging North	25/01/13	Arsenic	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		25/01/13	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	0.03	n/a	n/a
		25/01/13	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	579	n/a	n/a
		25/01/13	pH	pH	Once per month during rain event	1	n/a	7.4	n/a	n/a
		25/01/13	Phosphate	mg/L	Once per month during rain event	1	n/a	0.6	n/a	n/a
		25/01/13	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	31	n/a	n/a



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Location of Monitoring Points:	http://www.orica.com/images/UserUploadedImages/495/2013_Orica-KI_monitoring_locations.jpg
Concentration Limit:	See licence M2.3

Monthly Summary: December 2012

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	14/12/12	Arsenic	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		14/12/12	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	0.01	n/a	n/a
		14/12/12	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	14	n/a	n/a
		14/12/12	pH	pH	Once per month during rain event	1	n/a	7.38	n/a	n/a
		14/12/12	Phosphate	mg/L	Once per month during rain event	1	n/a	4.2	n/a	n/a
11	Catchment 2 - Admin/NH3	14/12/12	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	475	n/a	n/a
		14/12/12	Arsenic	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		14/12/12	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		14/12/12	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	<1	n/a	n/a
		14/12/12	pH	pH	Once per month during rain event	1	n/a	7.36	n/a	n/a
12	Catchment 3 - Ammonia	14/12/12	Phosphate	mg/L	Once per month during rain event	1	n/a	4.2	n/a	n/a
		14/12/12	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	20	n/a	n/a
		14/12/12	Arsenic	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		14/12/12	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	0.01	n/a	n/a
		14/12/12	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	<1	n/a	n/a
13	Catchment 4 - Nitrates	14/12/12	pH	pH	Once per month during rain event	1	n/a	7.39	n/a	n/a
		14/12/12	Phosphate	mg/L	Once per month during rain event	1	n/a	3	n/a	n/a
		14/12/12	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	320	n/a	n/a
		14/12/12	Arsenic	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		14/12/12	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	0.02	n/a	n/a
14	Catchment 5 - Bagging South	14/12/12	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	162	n/a	n/a
		14/12/12	pH	pH	Once per month during rain event	1	n/a	6.84	n/a	n/a
		14/12/12	Phosphate	mg/L	Once per month during rain event	1	n/a	1	n/a	n/a
		14/12/12	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	164	n/a	n/a
		14/12/12	Arsenic	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
15	Catchment 6 - Bagging North	14/12/12	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	0.02	n/a	n/a
		14/12/12	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	67	n/a	n/a
		14/12/12	pH	pH	Once per month during rain event	1	n/a	6.46	n/a	n/a
		14/12/12	Phosphate	mg/L	Once per month during rain event	1	n/a	1.6	n/a	n/a
		14/12/12	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	81	n/a	n/a
15	Catchment 6 - Bagging North	14/12/12	Arsenic	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		14/12/12	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		14/12/12	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	62	n/a	n/a
		14/12/12	pH	pH	Once per month during rain event	1	n/a	6.23	n/a	n/a
		14/12/12	Phosphate	mg/L	Once per month during rain event	1	n/a	0.4	n/a	n/a
14/12/12	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	17	n/a	n/a		



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Monthly Summary: November 2012

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	19/11/12	Arsenic	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		19/11/12	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	0.01	n/a	n/a
		19/11/12	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	69	n/a	n/a
		19/11/12	pH	pH	Once per month during rain event	1	n/a	6.68	n/a	n/a
		19/11/12	Phosphate	mg/L	Once per month during rain event	1	n/a	2.3	n/a	n/a
		19/11/12	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	15	n/a	n/a
11	Catchment 2 - Admin/NH3	19/11/12	Arsenic	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		19/11/12	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	0.02	n/a	n/a
		19/11/12	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	10	n/a	n/a
		19/11/12	pH	pH	Once per month during rain event	1	n/a	7.01	n/a	n/a
		19/11/12	Phosphate	mg/L	Once per month during rain event	1	n/a	1.3	n/a	n/a
		19/11/12	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	14	n/a	n/a
12	Catchment 3 - Ammonia	19/11/12	Arsenic	mg/L	Once per month during rain event	1	n/a	0.02	n/a	n/a
		19/11/12	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	0.03	n/a	n/a
		19/11/12	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	5	n/a	n/a
		19/11/12	pH	pH	Once per month during rain event	1	n/a	7.13	n/a	n/a
		19/11/12	Phosphate	mg/L	Once per month during rain event	1	n/a	2.4	n/a	n/a
		19/11/12	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	22	n/a	n/a
13	Catchment 4 - Nitrates	19/11/12	Arsenic	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		19/11/12	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		19/11/12	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	439	n/a	n/a
		19/11/12	pH	pH	Once per month during rain event	1	n/a	7.3	n/a	n/a
		19/11/12	Phosphate	mg/L	Once per month during rain event	1	n/a	0.7	n/a	n/a
		19/11/12	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	73	n/a	n/a
14	Catchment 5 - Bagging South	19/11/12	Arsenic	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		19/11/12	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	0.01	n/a	n/a
		19/11/12	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	357	n/a	n/a
		19/11/12	pH	pH	Once per month during rain event	1	n/a	6.21	n/a	n/a
		19/11/12	Phosphate	mg/L	Once per month during rain event	1	n/a	1.2	n/a	n/a
		19/11/12	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	177	n/a	n/a
15	Catchment 6 - Bagging North	19/11/12	Arsenic	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		19/11/12	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		19/11/12	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	159	n/a	n/a
		19/11/12	pH	pH	Once per month during rain event	1	n/a	5.75	n/a	n/a
		19/11/12	Phosphate	mg/L	Once per month during rain event	1	n/a	1	n/a	n/a
		19/11/12	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	50	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/ViewPOEOLicence.aspx?DOCID=32838&SYSUID=1&LICID=828
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 2012

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	15/10/12	Arsenic	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		15/10/12	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		15/10/12	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	215	n/a	n/a
		15/10/12	pH	pH	Once per month during rain event	1	n/a	6.8	n/a	n/a
		15/10/12	Phosphate	mg/L	Once per month during rain event	1	n/a	3	n/a	n/a
		15/10/12	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	12	n/a	n/a
11	Catchment 2 - Admin/NH3	15/10/12	Arsenic	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		15/10/12	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		15/10/12	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	14	n/a	n/a
		15/10/12	pH	pH	Once per month during rain event	1	n/a	7.8	n/a	n/a
		15/10/12	Phosphate	mg/L	Once per month during rain event	1	n/a	<1	n/a	n/a
		15/10/12	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	11	n/a	n/a
12	Catchment 3 - Ammonia	15/10/12	Arsenic	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		15/10/12	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		15/10/12	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	7	n/a	n/a
		15/10/12	pH	pH	Once per month during rain event	1	n/a	7.8	n/a	n/a
		15/10/12	Phosphate	mg/L	Once per month during rain event	1	n/a	<1	n/a	n/a
		15/10/12	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	16	n/a	n/a
13	Catchment 4 - Nitrates	15/10/12	Arsenic	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		15/10/12	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		15/10/12	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	674	n/a	n/a
		15/10/12	pH	pH	Once per month during rain event	1	n/a	7.9	n/a	n/a
		15/10/12	Phosphate	mg/L	Once per month during rain event	1	n/a	2	n/a	n/a
		15/10/12	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	91	n/a	n/a
14	Catchment 5 - Bagging South	15/10/12	Arsenic	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		15/10/12	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		15/10/12	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	442	n/a	n/a
		15/10/12	pH	pH	Once per month during rain event	1	n/a	6.8	n/a	n/a
		15/10/12	Phosphate	mg/L	Once per month during rain event	1	n/a	2	n/a	n/a
		15/10/12	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	147	n/a	n/a
15	Catchment 6 - Bagging North	15/10/12	Arsenic	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		15/10/12	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		15/10/12	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	102	n/a	n/a
		15/10/12	pH	pH	Once per month during rain event	1	n/a	6.8	n/a	n/a
		15/10/12	Phosphate	mg/L	Once per month during rain event	1	n/a	2	n/a	n/a
		15/10/12	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	37	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/ViewPOEOLicence.aspx?DOCID=32838&SYSUID=1&LICID=828>

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 2012

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	4/09/12	Arsenic	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		4/09/12	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		4/09/12	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	18	n/a	n/a
		4/09/12	pH	pH	Once per month during rain event	1	n/a	6.5	n/a	n/a
		4/09/12	Phosphate	mg/L	Once per month during rain event	1	n/a	1	n/a	n/a
		4/09/12	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	12	n/a	n/a
11	Catchment 2 - Admin/NH3	4/09/12	Arsenic	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		4/09/12	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		4/09/12	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	7	n/a	n/a
		4/09/12	pH	pH	Once per month during rain event	1	n/a	6.7	n/a	n/a
		4/09/12	Phosphate	mg/L	Once per month during rain event	1	n/a	<1	n/a	n/a
		4/09/12	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	16	n/a	n/a
12	Catchment 3 - Ammonia	4/09/12	Arsenic	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		4/09/12	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		4/09/12	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	1	n/a	n/a
		4/09/12	pH	pH	Once per month during rain event	1	n/a	6.5	n/a	n/a
		4/09/12	Phosphate	mg/L	Once per month during rain event	1	n/a	<1	n/a	n/a
		4/09/12	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	10	n/a	n/a
13	Catchment 4 - Nitrates	4/09/12	Arsenic	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		4/09/12	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		4/09/12	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	905	n/a	n/a
		4/09/12	pH	pH	Once per month during rain event	1	n/a	6.5	n/a	n/a
		4/09/12	Phosphate	mg/L	Once per month during rain event	1	n/a	<1	n/a	n/a
		4/09/12	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	97	n/a	n/a
14	Catchment 5 - Bagging South	4/09/12	Arsenic	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		4/09/12	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		4/09/12	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	589	n/a	n/a
		4/09/12	pH	pH	Once per month during rain event	1	n/a	6.6	n/a	n/a
		4/09/12	Phosphate	mg/L	Once per month during rain event	1	n/a	4	n/a	n/a
		4/09/12	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	155	n/a	n/a
15	Catchment 6 - Bagging North	4/09/12	Arsenic	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		4/09/12	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		4/09/12	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	54	n/a	n/a
		4/09/12	pH	pH	Once per month during rain event	1	n/a	6.0	n/a	n/a
		4/09/12	Phosphate	mg/L	Once per month during rain event	1	n/a	<1	n/a	n/a
		4/09/12	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	22	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/ViewPOEOLicence.aspx?DOCID=32838&SYSUID=1&LICID=828
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 2012

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	20/08/12	Arsenic	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		20/08/12	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		20/08/12	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	8	n/a	n/a
		20/08/12	pH	pH	Once per month during rain event	1	n/a	7.8	n/a	n/a
		20/08/12	Phosphate	mg/L	Once per month during rain event	1	n/a	9	n/a	n/a
		20/08/12	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	740	n/a	n/a
11	Catchment 2 - Admin/NH3	20/08/12	Arsenic	mg/L	Once per month during rain event	1	n/a	0.03	n/a	n/a
		20/08/12	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		20/08/12	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	13	n/a	n/a
		20/08/12	pH	pH	Once per month during rain event	1	n/a	7.7	n/a	n/a
		20/08/12	Phosphate	mg/L	Once per month during rain event	1	n/a	14	n/a	n/a
		20/08/12	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	510	n/a	n/a
12	Catchment 3 - Ammonia	20/08/12	Arsenic	mg/L	Once per month during rain event	1	n/a	0.01	n/a	n/a
		20/08/12	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		20/08/12	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	12	n/a	n/a
		20/08/12	pH	pH	Once per month during rain event	1	n/a	7.8	n/a	n/a
		20/08/12	Phosphate	mg/L	Once per month during rain event	1	n/a	8	n/a	n/a
		20/08/12	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	210	n/a	n/a
13	Catchment 4 - Nitrates	20/08/12	Arsenic	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		20/08/12	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		20/08/12	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	745	n/a	n/a
		20/08/12	pH	pH	Once per month during rain event	1	n/a	7.9	n/a	n/a
		20/08/12	Phosphate	mg/L	Once per month during rain event	1	n/a	1	n/a	n/a
		20/08/12	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	40	n/a	n/a
14	Catchment 5 - Bagging South	20/08/12	Arsenic	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		20/08/12	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		20/08/12	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	236	n/a	n/a
		20/08/12	pH	pH	Once per month during rain event	1	n/a	6.6	n/a	n/a
		20/08/12	Phosphate	mg/L	Once per month during rain event	1	n/a	38	n/a	n/a
		20/08/12	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	400	n/a	n/a
15	Catchment 6 - Bagging North	20/08/12	Arsenic	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		20/08/12	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		20/08/12	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	50	n/a	n/a
		20/08/12	pH	pH	Once per month during rain event	1	n/a	6.4	n/a	n/a
		20/08/12	Phosphate	mg/L	Once per month during rain event	1	n/a	4	n/a	n/a
		20/08/12	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	280	n/a	n/a



Orica Kooragang Island Monitoring Points 10 - 15

Details of Licence Conditions

EPA Licence No:	828
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Licensee Name:	ORICA AUSTRALIA PTY LTD
Licensee Address:	15 Greenleaf Rd, KOORAGANG NSW 2304
Location of Monitoring Points:	http://www.orica.com/images/UserUploadedImages/495/2013_Orica-KI_monitoring_locations.jpg
Concentration Limit:	See licence M2.3

Monthly Summary: July 2012

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	20/07/12	Arsenic	mg/L	Once per month during rain event	1	n/a	0.01	n/a	n/a
		20/07/12	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		20/07/12	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	12	n/a	n/a
		20/07/12	pH	pH	Once per month during rain event	1	n/a	7.1	n/a	n/a
		20/07/12	Phosphate	mg/L	Once per month during rain event	1	n/a	17	n/a	n/a
11	Catchment 2 - Admin/NH3	20/07/12	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	1166	n/a	n/a
		20/07/12	Arsenic	mg/L	Once per month during rain event	1	n/a	0.04	n/a	n/a
		20/07/12	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		20/07/12	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	4	n/a	n/a
		20/07/12	pH	pH	Once per month during rain event	1	n/a	7.4	n/a	n/a
12	Catchment 3 - Ammonia	20/07/12	Phosphate	mg/L	Once per month during rain event	1	n/a	9	n/a	n/a
		20/07/12	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	486	n/a	n/a
		20/07/12	Arsenic	mg/L	Once per month during rain event	1	n/a	0.02	n/a	n/a
		20/07/12	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		20/07/12	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	9	n/a	n/a
13	Catchment 4 - Nitrates	20/07/12	pH	pH	Once per month during rain event	1	n/a	7.5	n/a	n/a
		20/07/12	Phosphate	mg/L	Once per month during rain event	1	n/a	11	n/a	n/a
		20/07/12	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	257	n/a	n/a
		20/07/12	Arsenic	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		20/07/12	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	0.01	n/a	n/a
14	Catchment 5 - Bagging South	20/07/12	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	220	n/a	n/a
		20/07/12	pH	pH	Once per month during rain event	1	n/a	8.8	n/a	n/a
		20/07/12	Phosphate	mg/L	Once per month during rain event	1	n/a	2	n/a	n/a
		20/07/12	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	153	n/a	n/a
		20/07/12	Arsenic	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
15	Catchment 6 - Bagging North	20/07/12	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		20/07/12	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	36	n/a	n/a
		20/07/12	pH	pH	Once per month during rain event	1	n/a	6.6	n/a	n/a
		20/07/12	Phosphate	mg/L	Once per month during rain event	1	n/a	44	n/a	n/a
		20/07/12	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	233	n/a	n/a
15	Catchment 6 - Bagging North	20/07/12	Arsenic	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		20/07/12	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		20/07/12	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	824	n/a	n/a
		20/07/12	pH	pH	Once per month during rain event	1	n/a	6.5	n/a	n/a
		20/07/12	Phosphate	mg/L	Once per month during rain event	1	n/a	32	n/a	n/a
20/07/12	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	418	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/ViewPOEOLicence.aspx?DOCID=32838&SYSUID=1&LICID=828
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 2012

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	27/06/12	Arsenic	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		27/06/12	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		27/06/12	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	4	n/a	n/a
		27/06/12	pH	pH	Once per month during rain event	1	n/a	6.4	n/a	n/a
		27/06/12	Phosphate	mg/L	Once per month during rain event	1	n/a	<1	n/a	n/a
		27/06/12	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	8	n/a	n/a
11	Catchment 2 - Admin/NH3	27/06/12	Arsenic	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		27/06/12	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		27/06/12	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	1	n/a	n/a
		27/06/12	pH	pH	Once per month during rain event	1	n/a	6.6	n/a	n/a
		27/06/12	Phosphate	mg/L	Once per month during rain event	1	n/a	<1	n/a	n/a
		27/06/12	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	31	n/a	n/a
12	Catchment 3 - Ammonia	27/06/12	Arsenic	mg/L	Once per month during rain event	1	n/a	0.01	n/a	n/a
		27/06/12	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	0.01	n/a	n/a
		27/06/12	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	3	n/a	n/a
		27/06/12	pH	pH	Once per month during rain event	1	n/a	6.9	n/a	n/a
		27/06/12	Phosphate	mg/L	Once per month during rain event	1	n/a	4	n/a	n/a
		27/06/12	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	112	n/a	n/a
13	Catchment 4 - Nitrates	27/06/12	Arsenic	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		27/06/12	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		27/06/12	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	107	n/a	n/a
		27/06/12	pH	pH	Once per month during rain event	1	n/a	8	n/a	n/a
		27/06/12	Phosphate	mg/L	Once per month during rain event	1	n/a	2	n/a	n/a
		27/06/12	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	101	n/a	n/a
14	Catchment 5 - Bagging South	27/06/12	Arsenic	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		27/06/12	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		27/06/12	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	90	n/a	n/a
		27/06/12	pH	pH	Once per month during rain event	1	n/a	6.8	n/a	n/a
		27/06/12	Phosphate	mg/L	Once per month during rain event	1	n/a	1	n/a	n/a
		27/06/12	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	27	n/a	n/a
15	Catchment 6 - Bagging North	27/06/12	Arsenic	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		27/06/12	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	0.01	n/a	n/a
		27/06/12	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	34	n/a	n/a
		27/06/12	pH	pH	Once per month during rain event	1	n/a	6.7	n/a	n/a
		27/06/12	Phosphate	mg/L	Once per month during rain event	1	n/a	<1	n/a	n/a
		27/06/12	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	30	n/a	n/a



Orica Kooragang Island Monitoring Points 10 - 15

Details of Licence Conditions

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

Monthly Summary: May 2012

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	27/06/12	Arsenic	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		27/06/12	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		27/06/12	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	12	n/a	n/a
		27/06/12	pH	pH	Once per month during rain event	1	n/a	6.7	n/a	n/a
		27/06/12	Phosphate	mg/L	Once per month during rain event	1	n/a	2	n/a	n/a
		27/06/12	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	152	n/a	n/a
11	Catchment 2 - Admin/NH3	27/06/12	Arsenic	mg/L	Once per month during rain event	1	n/a	0.02	n/a	n/a
		27/06/12	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		27/06/12	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	7	n/a	n/a
		27/06/12	pH	pH	Once per month during rain event	1	n/a	6.8	n/a	n/a
		27/06/12	Phosphate	mg/L	Once per month during rain event	1	n/a	1	n/a	n/a
		27/06/12	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	39	n/a	n/a
12	Catchment 3 - Ammonia	27/06/12	Arsenic	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		27/06/12	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		27/06/12	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	3	n/a	n/a
		27/06/12	pH	pH	Once per month during rain event	1	n/a	6.9	n/a	n/a
		27/06/12	Phosphate	mg/L	Once per month during rain event	1	n/a	3.7	n/a	n/a
		27/06/12	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	80	n/a	n/a
13	Catchment 4 - Nitrates	27/06/12	Arsenic	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		27/06/12	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	0.01	n/a	n/a
		27/06/12	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	174	n/a	n/a
		27/06/12	pH	pH	Once per month during rain event	1	n/a	8.4	n/a	n/a
		27/06/12	Phosphate	mg/L	Once per month during rain event	1	n/a	2	n/a	n/a
		27/06/12	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	84	n/a	n/a
14	Catchment 5 - Bagging South	27/06/12	Arsenic	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		27/06/12	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		27/06/12	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	530	n/a	n/a
		27/06/12	pH	pH	Once per month during rain event	1	n/a	6.7	n/a	n/a
		27/06/12	Phosphate	mg/L	Once per month during rain event	1	n/a	9	n/a	n/a
		27/06/12	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	185	n/a	n/a
15	Catchment 6 - Bagging North	27/06/12	Arsenic	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		27/06/12	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	0.01	n/a	n/a
		27/06/12	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	332	n/a	n/a
		27/06/12	pH	pH	Once per month during rain event	1	n/a	5.1	n/a	n/a
		27/06/12	Phosphate	mg/L	Once per month during rain event	1	n/a	9	n/a	n/a
		27/06/12	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	47	n/a	n/a



Orica Kooragang Island Monitoring Points 10 - 15

Details of Licence Conditions

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Concentration Limit:	See licence M2.3

Monthly Summary: April 2012

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	25/06/12	Arsenic	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		25/06/12	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		25/06/12	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	25	n/a	n/a
		25/06/12	pH	pH	Once per month during rain event	1	n/a	6.5	n/a	n/a
		25/06/12	Phosphate	mg/L	Once per month during rain event	1	n/a	8	n/a	n/a
11	Catchment 2 - Admin/NH3	25/06/12	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	113	n/a	n/a
		25/06/12	Arsenic	mg/L	Once per month during rain event	1	n/a	0.01	n/a	n/a
		25/06/12	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		25/06/12	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	5	n/a	n/a
		25/06/12	pH	pH	Once per month during rain event	1	n/a	9.8	n/a	n/a
12	Catchment 3 - Ammonia	25/06/12	Phosphate	mg/L	Once per month during rain event	1	n/a	13	n/a	n/a
		25/06/12	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	92	n/a	n/a
		25/06/12	Arsenic	mg/L	Once per month during rain event	1	n/a	0.04	n/a	n/a
		25/06/12	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	0.01	n/a	n/a
		25/06/12	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	3	n/a	n/a
13	Catchment 4 - Nitrates	25/06/12	pH	pH	Once per month during rain event	1	n/a	6.8	n/a	n/a
		25/06/12	Phosphate	mg/L	Once per month during rain event	1	n/a	15	n/a	n/a
		25/06/12	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	180	n/a	n/a
		25/06/12	Arsenic	mg/L	Once per month during rain event	1	n/a	0.01	n/a	n/a
		25/06/12	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
14	Catchment 5 - Bagging South	25/06/12	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	170	n/a	n/a
		25/06/12	pH	pH	Once per month during rain event	1	n/a	8.3	n/a	n/a
		25/06/12	Phosphate	mg/L	Once per month during rain event	1	n/a	7	n/a	n/a
		25/06/12	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	36	n/a	n/a
		25/06/12	Arsenic	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
15	Catchment 6 - Bagging North	25/06/12	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		25/06/12	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	234	n/a	n/a
		25/06/12	pH	pH	Once per month during rain event	1	n/a	6.7	n/a	n/a
		25/06/12	Phosphate	mg/L	Once per month during rain event	1	n/a	21	n/a	n/a
		25/06/12	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	184	n/a	n/a
15	Catchment 6 - Bagging North	25/06/12	Arsenic	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		25/06/12	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		25/06/12	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	35	n/a	n/a
		25/06/12	pH	pH	Once per month during rain event	1	n/a	6.6	n/a	n/a
		25/06/12	Phosphate	mg/L	Once per month during rain event	1	n/a	22	n/a	n/a
25/06/12	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	330	n/a	n/a		