



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 2014

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	19/03/14	Arsenic	mg/L	Once per month during rain event	2	<0.01	<0.01	n/a	<0.01
		19/03/14	Chromium (hexavalent)	mg/L	Once per month during rain event		<0.01	<0.01	n/a	<0.01
		19/03/14	Nitrogen (total)	mg/L	Once per month during rain event		21	28	n/a	34
		19/03/14	pH	pH	Once per month during rain event		6.46	7.05	n/a	7.65
		19/03/14	Phosphate	mg/L	Once per month during rain event		0.5	0.9	n/a	1.3
		19/03/14	Total Suspended Solids	mg/L	Once per month during rain event		30	62	n/a	94
11	Catchment 2 - Admin/NH3	19/03/14	Arsenic	mg/L	Once per month during rain event	2	0.02	0.02	n/a	0.02
		19/03/14	Chromium (hexavalent)	mg/L	Once per month during rain event		<0.01	<0.01	n/a	0.01
		19/03/14	Nitrogen (total)	mg/L	Once per month during rain event		5	5.5	n/a	6
		19/03/14	pH	pH	Once per month during rain event		6.97	7.34	n/a	7.7
		19/03/14	Phosphate	mg/L	Once per month during rain event		0.5	0.55	n/a	0.6
		19/03/14	Total Suspended Solids	mg/L	Once per month during rain event		10	50	n/a	89
12	Catchment 3 - Ammonia	19/03/14	Arsenic	mg/L	Once per month during rain event	2	0.01	0.01	n/a	0.01
		19/03/14	Chromium (hexavalent)	mg/L	Once per month during rain event		0.01	0.02	n/a	0.02
		19/03/14	Nitrogen (total)	mg/L	Once per month during rain event		0	0	n/a	0
		19/03/14	pH	pH	Once per month during rain event		7.42	7.59	n/a	7.76
		19/03/14	Phosphate	mg/L	Once per month during rain event		1.1	2.3	n/a	3.4
		19/03/14	Total Suspended Solids	mg/L	Once per month during rain event		36	70	n/a	104
13	Catchment 4 - Nitrates	19/03/14	Arsenic	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		19/03/14	Chromium (hexavalent)	mg/L	Once per month during rain event		n/a	<0.01	n/a	n/a
		19/03/14	Nitrogen (total)	mg/L	Once per month during rain event		n/a	263	n/a	n/a
		19/03/14	pH	pH	Once per month during rain event		n/a	8.75	n/a	n/a
		19/03/14	Phosphate	mg/L	Once per month during rain event		n/a	0.5	n/a	n/a
		19/03/14	Total Suspended Solids	mg/L	Once per month during rain event		n/a	13	n/a	n/a
14	Catchment 5 - Bagging South	29/03/14	Arsenic	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		29/03/14	Chromium (hexavalent)	mg/L	Once per month during rain event		n/a	<0.01	n/a	n/a
		29/03/14	Nitrogen (total)	mg/L	Once per month during rain event		n/a	72	n/a	n/a
		29/03/14	pH	pH	Once per month during rain event		n/a	5.68	n/a	n/a
		29/03/14	Phosphate	mg/L	Once per month during rain event		n/a	1.4	n/a	n/a
		29/03/14	Total Suspended Solids	mg/L	Once per month during rain event		n/a	132	n/a	n/a
15	Catchment 6 - Bagging North	29/03/14	Arsenic	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		29/03/14	Chromium (hexavalent)	mg/L	Once per month during rain event		n/a	<0.01	n/a	n/a
		29/03/14	Nitrogen (total)	mg/L	Once per month during rain event		n/a	7	n/a	n/a
		29/03/14	pH	pH	Once per month during rain event		n/a	6.78	n/a	n/a
		29/03/14	Phosphate	mg/L	Once per month during rain event		n/a	1.5	n/a	n/a
		29/03/14	Total Suspended Solids	mg/L	Once per month during rain event		n/a	39	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: February 2014

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	27/02/14	Arsenic	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		27/02/14	Chromium (hexavalent)	mg/L	Once per month during rain event		n/a	0.01	n/a	n/a
		27/02/14	Nitrogen (total)	mg/L	Once per month during rain event		n/a	37	n/a	n/a
		27/02/14	pH	pH	Once per month during rain event		n/a	6.35	n/a	n/a
		27/02/14	Phosphate	mg/L	Once per month during rain event		n/a	1.9	n/a	n/a
		27/02/14	Total Suspended Solids	mg/L	Once per month during rain event		n/a	35	n/a	n/a
11	Catchment 2 - Admin/NH3	27/02/14	Arsenic	mg/L	Once per month during rain event	1	n/a	0.02	n/a	n/a
		27/02/14	Chromium (hexavalent)	mg/L	Once per month during rain event		n/a	<0.01	n/a	n/a
		27/02/14	Nitrogen (total)	mg/L	Once per month during rain event		n/a	15	n/a	n/a
		27/02/14	pH	pH	Once per month during rain event		n/a	6.78	n/a	n/a
		27/02/14	Phosphate	mg/L	Once per month during rain event		n/a	1.7	n/a	n/a
		27/02/14	Total Suspended Solids	mg/L	Once per month during rain event		n/a	54	n/a	n/a
12	Catchment 3 - Ammonia	27/02/14	Arsenic	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		27/02/14	Chromium (hexavalent)	mg/L	Once per month during rain event		n/a	<0.01	n/a	n/a
		27/02/14	Nitrogen (total)	mg/L	Once per month during rain event		n/a	2	n/a	n/a
		27/02/14	pH	pH	Once per month during rain event		n/a	6.73	n/a	n/a
		27/02/14	Phosphate	mg/L	Once per month during rain event		n/a	5.4	n/a	n/a
		27/02/14	Total Suspended Solids	mg/L	Once per month during rain event		n/a	108	n/a	n/a
13	Catchment 4 - Nitrates	27/02/14	Arsenic	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		27/02/14	Chromium (hexavalent)	mg/L	Once per month during rain event		n/a	<0.01	n/a	n/a
		27/02/14	Nitrogen (total)	mg/L	Once per month during rain event		n/a	457	n/a	n/a
		27/02/14	pH	pH	Once per month during rain event		n/a	6.49	n/a	n/a
		27/02/14	Phosphate	mg/L	Once per month during rain event		n/a	3.2	n/a	n/a
		27/02/14	Total Suspended Solids	mg/L	Once per month during rain event		n/a	142	n/a	n/a
14	Catchment 5 - Bagging South	27/02/14	Arsenic	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		27/02/14	Chromium (hexavalent)	mg/L	Once per month during rain event		n/a	<0.01	n/a	n/a
		27/02/14	Nitrogen (total)	mg/L	Once per month during rain event		n/a	40	n/a	n/a
		27/02/14	pH	pH	Once per month during rain event		n/a	6.52	n/a	n/a
		27/02/14	Phosphate	mg/L	Once per month during rain event		n/a	0.9	n/a	n/a
		27/02/14	Total Suspended Solids	mg/L	Once per month during rain event		n/a	115	n/a	n/a
15	Catchment 6 - Bagging North	27/02/14	Arsenic	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		27/02/14	Chromium (hexavalent)	mg/L	Once per month during rain event		n/a	<0.01	n/a	n/a
		27/02/14	Nitrogen (total)	mg/L	Once per month during rain event		n/a	34	n/a	n/a
		27/02/14	pH	pH	Once per month during rain event		n/a	6.26	n/a	n/a
		27/02/14	Phosphate	mg/L	Once per month during rain event		n/a	0.3	n/a	n/a
		27/02/14	Total Suspended Solids	mg/L	Once per month during rain event		n/a	20	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: January 2014

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	19/02/14	Arsenic	mg/L	Once per month during rain event	No Discharge Recorded in Catchment 1	n/a	n/a	n/a	n/a
		19/02/14	Chromium (hexavalent)	mg/L	Once per month during rain event		n/a	n/a	n/a	n/a
		19/02/14	Nitrogen (total)	mg/L	Once per month during rain event		n/a	n/a	n/a	n/a
		19/02/14	pH	pH	Once per month during rain event		n/a	n/a	n/a	n/a
		19/02/14	Phosphate	mg/L	Once per month during rain event		n/a	n/a	n/a	n/a
		19/02/14	Total Suspended Solids	mg/L	Once per month during rain event		n/a	n/a	n/a	n/a
11	Catchment 2 - Admin/NH3	19/02/14	Arsenic	mg/L	Once per month during rain event	No Discharge Recorded in Catchment 2	n/a	n/a	n/a	n/a
		19/02/14	Chromium (hexavalent)	mg/L	Once per month during rain event		n/a	n/a	n/a	n/a
		19/02/14	Nitrogen (total)	mg/L	Once per month during rain event		n/a	n/a	n/a	n/a
		19/02/14	pH	pH	Once per month during rain event		n/a	n/a	n/a	n/a
		19/02/14	Phosphate	mg/L	Once per month during rain event		n/a	n/a	n/a	n/a
		19/02/14	Total Suspended Solids	mg/L	Once per month during rain event		n/a	n/a	n/a	n/a
12	Catchment 3 - Ammonia	19/02/14	Arsenic	mg/L	Once per month during rain event	No Discharge Recorded in Catchment 3	n/a	n/a	n/a	n/a
		19/02/14	Chromium (hexavalent)	mg/L	Once per month during rain event		n/a	n/a	n/a	n/a
		19/02/14	Nitrogen (total)	mg/L	Once per month during rain event		n/a	n/a	n/a	n/a
		19/02/14	pH	pH	Once per month during rain event		n/a	n/a	n/a	n/a
		19/02/14	Phosphate	mg/L	Once per month during rain event		n/a	n/a	n/a	n/a
		19/02/14	Total Suspended Solids	mg/L	Once per month during rain event		n/a	n/a	n/a	n/a
13	Catchment 4 - Nitrates	19/02/14	Arsenic	mg/L	Once per month during rain event	No Discharge Recorded in Catchment 4	n/a	n/a	n/a	n/a
		19/02/14	Chromium (hexavalent)	mg/L	Once per month during rain event		n/a	n/a	n/a	n/a
		19/02/14	Nitrogen (total)	mg/L	Once per month during rain event		n/a	n/a	n/a	n/a
		19/02/14	pH	pH	Once per month during rain event		n/a	n/a	n/a	n/a
		19/02/14	Phosphate	mg/L	Once per month during rain event		n/a	n/a	n/a	n/a
		19/02/14	Total Suspended Solids	mg/L	Once per month during rain event		n/a	n/a	n/a	n/a
14	Catchment 5 - Bagging South	19/02/14	Arsenic	mg/L	Once per month during rain event	No Discharge Recorded in Catchment 5	n/a	n/a	n/a	n/a
		19/02/14	Chromium (hexavalent)	mg/L	Once per month during rain event		n/a	n/a	n/a	n/a
		19/02/14	Nitrogen (total)	mg/L	Once per month during rain event		n/a	n/a	n/a	n/a
		19/02/14	pH	pH	Once per month during rain event		n/a	n/a	n/a	n/a
		19/02/14	Phosphate	mg/L	Once per month during rain event		n/a	n/a	n/a	n/a
		19/02/14	Total Suspended Solids	mg/L	Once per month during rain event		n/a	n/a	n/a	n/a
15	Catchment 6 - Bagging North	19/02/14	Arsenic	mg/L	Once per month during rain event	No Discharge Recorded in Catchment 6	n/a	n/a	n/a	n/a
		19/02/14	Chromium (hexavalent)	mg/L	Once per month during rain event		n/a	n/a	n/a	n/a
		19/02/14	Nitrogen (total)	mg/L	Once per month during rain event		n/a	n/a	n/a	n/a
		19/02/14	pH	pH	Once per month during rain event		n/a	n/a	n/a	n/a
		19/02/14	Phosphate	mg/L	Once per month during rain event		n/a	n/a	n/a	n/a
		19/02/14	Total Suspended Solids	mg/L	Once per month during rain event		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/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: December 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	3/01/14	Arsenic	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		3/01/14	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	0.01	n/a	n/a
		3/01/14	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	3	n/a	n/a
		3/01/14	pH	pH	Once per month during rain event	1	n/a	7.0	n/a	n/a
		3/01/14	Phosphate	mg/L	Once per month during rain event	1	n/a	2	n/a	n/a
		3/01/14	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	77	n/a	n/a
11	Catchment 2 - Admin/NH3	3/01/14	Arsenic	mg/L	Once per month during rain event	1	n/a	0.07	n/a	n/a
		3/01/14	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	0.01	n/a	n/a
		3/01/14	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	0	n/a	n/a
		3/01/14	pH	pH	Once per month during rain event	1	n/a	7	n/a	n/a
		3/01/14	Phosphate	mg/L	Once per month during rain event	1	n/a	2.3	n/a	n/a
		3/01/14	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	69	n/a	n/a
12	Catchment 3 - Ammonia	3/01/14	Arsenic	mg/L	Once per month during rain event	1	n/a	0.01	n/a	n/a
		3/01/14	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		3/01/14	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	<1	n/a	n/a
		3/01/14	pH	pH	Once per month during rain event	1	n/a	7.02	n/a	n/a
		3/01/14	Phosphate	mg/L	Once per month during rain event	1	n/a	0.6	n/a	n/a
		3/01/14	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	26	n/a	n/a
13	Catchment 4 - Nitrates	3/01/14	Arsenic	mg/L	Once per month during rain event	No Discharge Recorded in Catchment 4	n/a	n/a	n/a	n/a
		3/01/14	Chromium (hexavalent)	mg/L	Once per month during rain event		n/a	n/a	n/a	n/a
		3/01/14	Nitrogen (total)	mg/L	Once per month during rain event		n/a	n/a	n/a	n/a
		3/01/14	pH	pH	Once per month during rain event		n/a	n/a	n/a	n/a
		3/01/14	Phosphate	mg/L	Once per month during rain event		n/a	n/a	n/a	n/a
		3/01/14	Total Suspended Solids	mg/L	Once per month during rain event		n/a	n/a	n/a	n/a
14	Catchment 5 - Bagging South	3/01/14	Arsenic	mg/L	Once per month during rain event	No Discharge Recorded in Catchment 5	n/a	n/a	n/a	n/a
		3/01/14	Chromium (hexavalent)	mg/L	Once per month during rain event		n/a	n/a	n/a	n/a
		3/01/14	Nitrogen (total)	mg/L	Once per month during rain event		n/a	n/a	n/a	n/a
		3/01/14	pH	pH	Once per month during rain event		n/a	n/a	n/a	n/a
		3/01/14	Phosphate	mg/L	Once per month during rain event		n/a	n/a	n/a	n/a
		3/01/14	Total Suspended Solids	mg/L	Once per month during rain event		n/a	n/a	n/a	n/a
15	Catchment 6 - Bagging North	3/01/14	Arsenic	mg/L	Once per month during rain event	No Discharge Recorded in Catchment 6	n/a	n/a	n/a	n/a
		3/01/14	Chromium (hexavalent)	mg/L	Once per month during rain event		n/a	n/a	n/a	n/a
		3/01/14	Nitrogen (total)	mg/L	Once per month during rain event		n/a	n/a	n/a	n/a
		3/01/14	pH	pH	Once per month during rain event		n/a	n/a	n/a	n/a
		3/01/14	Phosphate	mg/L	Once per month during rain event		n/a	n/a	n/a	n/a
		3/01/14	Total Suspended Solids	mg/L	Once per month during rain event		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/prpoeapp/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: November 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	22/11/13	Arsenic	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		22/11/13	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	0.16	n/a	n/a
		22/11/13	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	165	n/a	n/a
		22/11/13	pH	pH	Once per month during rain event	1	n/a	6.7	n/a	n/a
		22/11/13	Phosphate	mg/L	Once per month during rain event	1	n/a	8.6	n/a	n/a
		22/11/13	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	79	n/a	n/a
11	Catchment 2 - Admin/NH3	22/11/13	Arsenic	mg/L	Once per month during rain event	1	n/a	0.16	n/a	n/a
		22/11/13	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	0.02	n/a	n/a
		22/11/13	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	9	n/a	n/a
		22/11/13	pH	pH	Once per month during rain event	1	n/a	6.8	n/a	n/a
		22/11/13	Phosphate	mg/L	Once per month during rain event	1	n/a	3.7	n/a	n/a
		22/11/13	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	172	n/a	n/a
12	Catchment 3 - Ammonia	22/11/13	Arsenic	mg/L	Once per month during rain event	1	n/a	0.01	n/a	n/a
		22/11/13	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	0.01	n/a	n/a
		22/11/13	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	2	n/a	n/a
		22/11/13	pH	pH	Once per month during rain event	1	n/a	6.8	n/a	n/a
		22/11/13	Phosphate	mg/L	Once per month during rain event	1	n/a	7	n/a	n/a
		22/11/13	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	235	n/a	n/a
13	Catchment 4 - Nitrates	22/11/13	Arsenic	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		22/11/13	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		22/11/13	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	378	n/a	n/a
		22/11/13	pH	pH	Once per month during rain event	1	n/a	6.8	n/a	n/a
		22/11/13	Phosphate	mg/L	Once per month during rain event	1	n/a	1.7	n/a	n/a
		22/11/13	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	64	n/a	n/a
14	Catchment 5 - Bagging South	22/11/13	Arsenic	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		22/11/13	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	0.02	n/a	n/a
		22/11/13	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	101	n/a	n/a
		22/11/13	pH	pH	Once per month during rain event	1	n/a	6.4	n/a	n/a
		22/11/13	Phosphate	mg/L	Once per month during rain event	1	n/a	1.9	n/a	n/a
		22/11/13	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	105	n/a	n/a
15	Catchment 6 - Bagging North	22/11/13	Arsenic	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		22/11/13	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		22/11/13	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	4	n/a	n/a
		22/11/13	pH	pH	Once per month during rain event	1	n/a	5.7	n/a	n/a
		22/11/13	Phosphate	mg/L	Once per month during rain event	1	n/a	0.1	n/a	n/a
		22/11/13	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	10	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/prpoeapp/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 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	5/11/13	Arsenic	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		5/11/13	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		5/11/13	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	23	n/a	n/a
		5/11/13	pH	pH	Once per month during rain event	1	n/a	6.7	n/a	n/a
		5/11/13	Phosphate	mg/L	Once per month during rain event	1	n/a	5.6	n/a	n/a
		5/11/13	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	26	n/a	n/a
11	Catchment 2 - Admin/NH3	5/11/13	Arsenic	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		5/11/13	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		5/11/13	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	1	n/a	n/a
		5/11/13	pH	pH	Once per month during rain event	1	n/a	7	n/a	n/a
		5/11/13	Phosphate	mg/L	Once per month during rain event	1	n/a	0.4	n/a	n/a
		5/11/13	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	4	n/a	n/a
12	Catchment 3 - Ammonia	5/11/13	Arsenic	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		5/11/13	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		5/11/13	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	<1	n/a	n/a
		5/11/13	pH	pH	Once per month during rain event	1	n/a	7.1	n/a	n/a
		5/11/13	Phosphate	mg/L	Once per month during rain event	1	n/a	0.6	n/a	n/a
		5/11/13	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	30	n/a	n/a
13	Catchment 4 - Nitrates	5/11/13	Arsenic	mg/L	Once per month during rain event	1	n/a	0.01	n/a	n/a
		5/11/13	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		5/11/13	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	241	n/a	n/a
		5/11/13	pH	pH	Once per month during rain event	1	n/a	6.5	n/a	n/a
		5/11/13	Phosphate	mg/L	Once per month during rain event	1	n/a	7	n/a	n/a
		5/11/13	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	430	n/a	n/a
14	Catchment 5 - Bagging South	5/11/13	Arsenic	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		5/11/13	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	0.02	n/a	n/a
		5/11/13	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	231	n/a	n/a
		5/11/13	pH	pH	Once per month during rain event	1	n/a	6.4	n/a	n/a
		5/11/13	Phosphate	mg/L	Once per month during rain event	1	n/a	3	n/a	n/a
		5/11/13	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	340	n/a	n/a
15	Catchment 6 - Bagging North	5/11/13	Arsenic	mg/L	Once per month during rain event	No Flow	n/a	n/a	n/a	n/a
		5/11/13	Chromium (hexavalent)	mg/L	Once per month during rain event	No Flow	n/a	n/a	n/a	n/a
		5/11/13	Nitrogen (total)	mg/L	Once per month during rain event	No Flow	n/a	n/a	n/a	n/a
		5/11/13	pH	pH	Once per month during rain event	No Flow	n/a	n/a	n/a	n/a
		5/11/13	Phosphate	mg/L	Once per month during rain event	No Flow	n/a	n/a	n/a	n/a
		5/11/13	Total Suspended Solids	mg/L	Once per month during rain event	No Flow	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/prpoeapp/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 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	20/09/13	Arsenic	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		20/09/13	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		20/09/13	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	35	n/a	n/a
		20/09/13	pH	pH	Once per month during rain event	1	n/a	6.8	n/a	n/a
		20/09/13	Phosphate	mg/L	Once per month during rain event	1	n/a	4.4	n/a	n/a
		20/09/13	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	14	n/a	n/a
11	Catchment 2 - Admin/NH3	20/09/13	Arsenic	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		20/09/13	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		20/09/13	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	5	n/a	n/a
		20/09/12	pH	pH	Once per month during rain event	1	n/a	7	n/a	n/a
		20/09/13	Phosphate	mg/L	Once per month during rain event	1	n/a	0.3	n/a	n/a
		20/09/13	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	5	n/a	n/a
12	Catchment 3 - Ammonia	20/09/13	Arsenic	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		20/09/13	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		20/09/13	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	1	n/a	n/a
		20/09/13	pH	pH	Once per month during rain event	1	n/a	7.1	n/a	n/a
		20/09/13	Phosphate	mg/L	Once per month during rain event	1	n/a	1.3	n/a	n/a
		20/09/13	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	7	n/a	n/a
13	Catchment 4 - Nitrates	20/09/13	Arsenic	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		20/09/13	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	0.02	n/a	n/a
		20/09/13	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	229	n/a	n/a
		20/09/13	pH	pH	Once per month during rain event	1	n/a	7.2	n/a	n/a
		20/09/13	Phosphate	mg/L	Once per month during rain event	1	n/a	0.8	n/a	n/a
		20/09/13	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	20	n/a	n/a
14	Catchment 5 - Bagging South	20/09/13	Arsenic	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		20/09/13	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	0.01	n/a	n/a
		20/09/13	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	107	n/a	n/a
		20/09/13	pH	pH	Once per month during rain event	1	n/a	7.3	n/a	n/a
		20/09/13	Phosphate	mg/L	Once per month during rain event	1	n/a	3.2	n/a	n/a
		20/09/13	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	18	n/a	n/a
15	Catchment 6 - Bagging North	20/09/13	Arsenic	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		20/09/13	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		20/09/13	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	72	n/a	n/a
		20/09/13	pH	pH	Once per month during rain event	1	n/a	6.6	n/a	n/a
		20/09/13	Phosphate	mg/L	Once per month during rain event	1	n/a	2	n/a	n/a
		20/09/13	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	18	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/prpoeapp/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 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	10/09/13	Arsenic	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		10/09/13	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	0.01	n/a	n/a
		10/09/13	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	27	n/a	n/a
		10/09/13	pH	pH	Once per month during rain event	1	n/a	6.8	n/a	n/a
		10/09/13	Phosphate	mg/L	Once per month during rain event	1	n/a	5.6	n/a	n/a
		10/09/13	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	43	n/a	n/a
11	Catchment 2 - Admin/NH3	10/09/13	Arsenic	mg/L	Once per month during rain event	1	n/a	0.01	n/a	n/a
		10/09/13	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		10/09/13	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	7	n/a	n/a
		10/09/12	pH	pH	Once per month during rain event	1	n/a	7.3	n/a	n/a
		10/09/13	Phosphate	mg/L	Once per month during rain event	1	n/a	1.3	n/a	n/a
		10/09/13	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	39	n/a	n/a
12	Catchment 3 - Ammonia	10/09/13	Arsenic	mg/L	Once per month during rain event	1	n/a	0.07	n/a	n/a
		10/09/13	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		10/09/13	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	7	n/a	n/a
		10/09/13	pH	pH	Once per month during rain event	1	n/a	7.4	n/a	n/a
		10/09/13	Phosphate	mg/L	Once per month during rain event	1	n/a	41.7	n/a	n/a
		10/09/13	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	960	n/a	n/a
13	Catchment 4 - Nitrates	10/09/13	Arsenic	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		10/09/13	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		10/09/13	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	160	n/a	n/a
		10/09/13	pH	pH	Once per month during rain event	1	n/a	6.9	n/a	n/a
		10/09/13	Phosphate	mg/L	Once per month during rain event	1	n/a	1.5	n/a	n/a
		10/09/13	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	82	n/a	n/a
14	Catchment 5 - Bagging South	10/09/13	Arsenic	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		10/09/13	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		10/09/13	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	102	n/a	n/a
		10/09/13	pH	pH	Once per month during rain event	1	n/a	6.2	n/a	n/a
		10/09/13	Phosphate	mg/L	Once per month during rain event	1	n/a	1.5	n/a	n/a
		10/09/13	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	46	n/a	n/a
15	Catchment 6 - Bagging North	10/09/13	Arsenic	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		10/09/13	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		10/09/13	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	18	n/a	n/a
		10/09/13	pH	pH	Once per month during rain event	1	n/a	6.2	n/a	n/a
		10/09/13	Phosphate	mg/L	Once per month during rain event	1	n/a	0.6	n/a	n/a
		10/09/13	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	18	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/prpoeapp/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: July 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	12/08/13	Arsenic	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		12/08/13	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		12/08/13	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	5	n/a	n/a
		12/08/13	pH	pH	Once per month during rain event	1	n/a	7.7	n/a	n/a
		12/08/13	Phosphate	mg/L	Once per month during rain event	1	n/a	0.5	n/a	n/a
		12/08/13	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	19	n/a	n/a
11	Catchment 2 - Admin/NH3	12/08/13	Arsenic	mg/L	Once per month during rain event	1	n/a	0.28	n/a	n/a
		12/08/13	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		12/08/13	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	15	n/a	n/a
		12/08/12	pH	pH	Once per month during rain event	1	n/a	7.1	n/a	n/a
		12/08/13	Phosphate	mg/L	Once per month during rain event	1	n/a	29.8	n/a	n/a
		12/08/13	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	1740	n/a	n/a
12	Catchment 3 - Ammonia	12/08/13	Arsenic	mg/L	Once per month during rain event	1	n/a	0.03	n/a	n/a
		12/08/13	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		12/08/13	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	3	n/a	n/a
		12/08/13	pH	pH	Once per month during rain event	1	n/a	7.3	n/a	n/a
		12/08/13	Phosphate	mg/L	Once per month during rain event	1	n/a	21.9	n/a	n/a
		12/08/13	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	950	n/a	n/a
13	Catchment 4 - Nitrates	12/08/13	Arsenic	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		12/08/13	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		12/08/13	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	60	n/a	n/a
		12/08/13	pH	pH	Once per month during rain event	1	n/a	7.1	n/a	n/a
		12/08/13	Phosphate	mg/L	Once per month during rain event	1	n/a	0.7	n/a	n/a
		12/08/13	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	440	n/a	n/a
14	Catchment 5 - Bagging South	12/08/13	Arsenic	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		12/08/13	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	0.01	n/a	n/a
		12/08/13	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	92	n/a	n/a
		12/08/13	pH	pH	Once per month during rain event	1	n/a	7.1	n/a	n/a
		12/08/13	Phosphate	mg/L	Once per month during rain event	1	n/a	0.3	n/a	n/a
		12/08/13	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	46	n/a	n/a
15	Catchment 6 - Bagging North	12/08/13	Arsenic	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		12/08/13	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		12/08/13	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	8	n/a	n/a
		12/08/13	pH	pH	Once per month during rain event	1	n/a	6.9	n/a	n/a
		12/08/13	Phosphate	mg/L	Once per month during rain event	1	n/a	0.1	n/a	n/a
		12/08/13	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	46	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/prpoeapp/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 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	11/06/13	Arsenic	mg/L	Once per month during rain event	1	n/a	0.01	n/a	n/a
		11/06/13	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		11/06/13	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	15	n/a	n/a
		11/06/13	pH	pH	Once per month during rain event	1	n/a	6.7	n/a	n/a
		11/06/13	Phosphate	mg/L	Once per month during rain event	1	n/a	4	n/a	n/a
		11/06/13	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	112	n/a	n/a
11	Catchment 2 - Admin/NH3	11/06/13	Arsenic	mg/L	Once per month during rain event	1	n/a	0.5	n/a	n/a
		11/06/13	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		11/06/13	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	22	n/a	n/a
		11/06/12	pH	pH	Once per month during rain event	1	n/a	6.4	n/a	n/a
		11/06/13	Phosphate	mg/L	Once per month during rain event	1	n/a	48	n/a	n/a
		11/06/13	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	2380	n/a	n/a
12	Catchment 3 - Ammonia	11/06/13	Arsenic	mg/L	Once per month during rain event	1	n/a	0.02	n/a	n/a
		11/06/13	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		11/06/13	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	2	n/a	n/a
		11/06/13	pH	pH	Once per month during rain event	1	n/a	6.7	n/a	n/a
		11/06/13	Phosphate	mg/L	Once per month during rain event	1	n/a	6.8	n/a	n/a
		11/06/13	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	132	n/a	n/a
13	Catchment 4 - Nitrates	11/06/13	Arsenic	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		11/06/13	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		11/06/13	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	502	n/a	n/a
		11/06/13	pH	pH	Once per month during rain event	1	n/a	8	n/a	n/a
		11/06/13	Phosphate	mg/L	Once per month during rain event	1	n/a	0.7	n/a	n/a
		11/06/13	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	39	n/a	n/a
14	Catchment 5 - Bagging South	11/06/13	Arsenic	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		11/06/13	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		11/06/13	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	75	n/a	n/a
		11/06/13	pH	pH	Once per month during rain event	1	n/a	5.9	n/a	n/a
		11/06/13	Phosphate	mg/L	Once per month during rain event	1	n/a	0.6	n/a	n/a
		11/06/13	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	42	n/a	n/a
15	Catchment 6 - Bagging North	11/06/13	Arsenic	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		11/06/13	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		11/06/13	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	13	n/a	n/a
		11/06/13	pH	pH	Once per month during rain event	1	n/a	6	n/a	n/a
		11/06/13	Phosphate	mg/L	Once per month during rain event	1	n/a	0.5	n/a	n/a
		11/06/13	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	36	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/prpoeapp/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: May 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	28/05/13	Arsenic	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		28/05/13	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	0.01	n/a	n/a
		28/05/13	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	15	n/a	n/a
		28/05/13	pH	pH	Once per month during rain event	1	n/a	6.5	n/a	n/a
		28/05/13	Phosphate	mg/L	Once per month during rain event	1	n/a	2	n/a	n/a
		28/05/13	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	660	n/a	n/a
11	Catchment 2 - Admin/NH3	28/05/13	Arsenic	mg/L	Once per month during rain event	1	n/a	0.1	n/a	n/a
		28/05/13	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		28/05/13	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	27	n/a	n/a
		28/05/12	pH	pH	Once per month during rain event	1	n/a	6.2	n/a	n/a
		28/05/13	Phosphate	mg/L	Once per month during rain event	1	n/a	2.3	n/a	n/a
		28/05/13	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	1630	n/a	n/a
12	Catchment 3 - Ammonia	28/05/13	Arsenic	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		28/05/13	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		28/05/13	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	5	n/a	n/a
		28/05/13	pH	pH	Once per month during rain event	1	n/a	6.8	n/a	n/a
		28/05/13	Phosphate	mg/L	Once per month during rain event	1	n/a	3	n/a	n/a
		28/05/13	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	475	n/a	n/a
13	Catchment 4 - Nitrates	28/05/13	Arsenic	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		28/05/13	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		28/05/13	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	150	n/a	n/a
		28/05/13	pH	pH	Once per month during rain event	1	n/a	6.9	n/a	n/a
		28/05/13	Phosphate	mg/L	Once per month during rain event	1	n/a	2.3	n/a	n/a
		28/05/13	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	179	n/a	n/a
14	Catchment 5 - Bagging South	28/05/13	Arsenic	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		28/05/13	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	0.02	n/a	n/a
		28/05/13	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	183	n/a	n/a
		28/05/13	pH	pH	Once per month during rain event	1	n/a	5.7	n/a	n/a
		28/05/13	Phosphate	mg/L	Once per month during rain event	1	n/a	1.1	n/a	n/a
		28/05/13	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	153	n/a	n/a
15	Catchment 6 - Bagging North	28/05/13	Arsenic	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		28/05/13	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		28/05/13	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	16	n/a	n/a
		28/05/13	pH	pH	Once per month during rain event	1	n/a	7.8	n/a	n/a
		28/05/13	Phosphate	mg/L	Once per month during rain event	1	n/a	0.3	n/a	n/a
		28/05/13	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	54	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/prpoeapp/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: April 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	12/04/13	Arsenic	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		12/04/13	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		12/04/13	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	63	n/a	n/a
		12/04/13	pH	pH	Once per month during rain event	1	n/a	6.9	n/a	n/a
		12/04/13	Phosphate	mg/L	Once per month during rain event	1	n/a	1.3	n/a	n/a
		12/04/13	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	428	n/a	n/a
11	Catchment 2 - Admin/NH3	12/04/13	Arsenic	mg/L	Once per month during rain event	1	n/a	0.1	n/a	n/a
		12/04/13	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		12/04/13	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	3	n/a	n/a
		12/04/12	pH	pH	Once per month during rain event	1	n/a	6.8	n/a	n/a
		12/04/13	Phosphate	mg/L	Once per month during rain event	1	n/a	1.3	n/a	n/a
		12/04/13	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	800	n/a	n/a
12	Catchment 3 - Ammonia	12/04/13	Arsenic	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		12/04/13	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		12/04/13	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	1	n/a	n/a
		12/04/13	pH	pH	Once per month during rain event	1	n/a	6.4	n/a	n/a
		12/04/13	Phosphate	mg/L	Once per month during rain event	1	n/a	3.4	n/a	n/a
		12/04/13	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	83	n/a	n/a
13	Catchment 4 - Nitrates	12/04/13	Arsenic	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		12/04/13	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		12/04/13	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	233	n/a	n/a
		12/04/13	pH	pH	Once per month during rain event	1	n/a	7.1	n/a	n/a
		12/04/13	Phosphate	mg/L	Once per month during rain event	1	n/a	0.9	n/a	n/a
		12/04/13	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	177	n/a	n/a
14	Catchment 5 - Bagging South	12/04/13	Arsenic	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		12/04/13	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		12/04/13	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	119	n/a	n/a
		12/04/13	pH	pH	Once per month during rain event	1	n/a	6.2	n/a	n/a
		12/04/13	Phosphate	mg/L	Once per month during rain event	1	n/a	0.6	n/a	n/a
		12/04/13	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	460	n/a	n/a
15	Catchment 6 - Bagging North	12/04/13	Arsenic	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		12/04/13	Chromium (hexavalent)	mg/L	Once per month during rain event	1	n/a	<0.01	n/a	n/a
		12/04/13	Nitrogen (total)	mg/L	Once per month during rain event	1	n/a	7	n/a	n/a
		12/04/13	pH	pH	Once per month during rain event	1	n/a	6.4	n/a	n/a
		12/04/13	Phosphate	mg/L	Once per month during rain event	1	n/a	0.1	n/a	n/a
		12/04/13	Total Suspended Solids	mg/L	Once per month during rain event	1	n/a	27	n/a	n/a