



Orica Kooragang Island Monitoring Points 23-24

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 (See licence reference P1.3): http://www.orica.com/images/UserUploadedImages/495/2013_Orica-KI_monitoring_locations.jpg
Concentration Limit: See licence L3.6

Monthly Summary: March 2018

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	Max. Value	90 percentile Licence Limit	100 percentile Licence Limit	Exceedence ? (Yes/No)	Comments on Exceedences
23	Effluent Discharge Point	11/04/18	Arsenic	mg/L	Daily	31	<0.01	0.03		0.05	No	
		11/04/18	Chromium (hexavalent)	mg/L	Daily	31	<0.01	0.02	0.05	0.2	No	
		11/04/18	Nitrogen (Total)	mg/L	Daily	31	12	316	1500	2000	No	
		11/04/18	Oil and Grease	mg/L	Twice per Week	14	0.1	2.9		10	No	
		11/04/18	pH	pH	Continuous	31	6.3	8.7		6.2-9.5	No	
		11/04/18	Temperature	Degrees Celsius	Continuous	31	27.3	38.0		43	No	
		11/04/18	Total suspended solids	mg/L	Daily	31	5	34		50	No	
		11/04/18	Zinc	mg/L	Daily	31	<0.1	0.5		5	No	
		11/04/18	Flow	kL/day	Daily	31	1137	2851		4500	No	
		24	Effluent Diversion Pond	11/04/18				No discharge				



Orica Kooragang Island Monitoring Points 23-24

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 (See licence reference P1.3): http://www.orica.com/images/UserUploadedImages/495/2013_Orica-KI_monitoring_locations.jpg
Concentration Limit: See licence L3.6

Monthly Summary: February 2018

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	Max. Value	90 percentile Licence Limit	100 percentile Licence Limit	Exceedence ? (Yes/No)	Comments on Exceedences	
23	Effluent Discharge Point	9/03/18	Arsenic	mg/L	Daily	28	0.01	0.03		0.05	No		
		9/03/18	Chromium (hexavalent)	mg/L	Daily	28	<0.01	0.01	0.05	0.2	No		
		9/03/18	Nitrogen (Total)	mg/L	Daily	28	66	368	1500	2000	No		
		9/03/18	Oil and Grease	mg/L	Twice per Week	8	0.2	0.5		10	No		
		9/03/18	pH	pH	Continuous	28	7.2	8.8		6.2-9.5	No		
		9/03/18	Temperature	Degrees Celsius	Continuous	28	27.7	41.8		43	No		
		9/03/18	Total suspended solids	mg/L	Daily	28	5	29		50	No		
		9/03/18	Zinc	mg/L	Daily	28	<0.1	0.5		5	No		
		9/03/18	Flow	kL/day	Daily	28	1741	2627		4500	No		
		24	Effluent Diversion Pond	9/03/18				No discharge					



Orica Kooragang Island Monitoring Points 23-24

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 (See licence reference P1.3): http://www.orica.com/images/UserUploadedImages/495/2013_Orica-KI_monitoring_locations.jpg
Concentration Limit: See licence L3.6

Monthly Summary: January 2018

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	Max. Value	90 percentile Licence Limit	100 percentile Licence Limit	Exceedence ? (Yes/No)	Comments on Exceedences
23	Effluent Discharge Point	6/02/18	Arsenic	mg/L	Daily	31	0.01	0.03		0.05	No	
		6/02/18	Chromium (hexavalent)	mg/L	Daily	31	<0.01	0.03	0.05	0.2	No	
		6/02/18	Nitrogen (Total)	mg/L	Daily	31	86	370	1500	2000	No	
		6/02/18	Oil and Grease	mg/L	Twice per Week	9	0.1	0.2		10	No	
		6/02/18	pH	pH	Continuous	31	7.1	8.5		6.2-9.5	No	
		6/02/18	Temperature	Degrees Celsius	Continuous	31	31.2	43.0		43	No	
		6/02/18	Total suspended solids	mg/L	Daily	31	4	27		50	No	
		6/02/18	Zinc	mg/L	Daily	31	<0.1	<0.1		5	No	
		6/02/18	Flow	kL/day	Daily	31	1746	2796		4500	No	
		24	Effluent Diversion Pond	6/02/18				No discharge				



Orica Kooragang Island Monitoring Points 23-24

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 (See licence reference P1.3): http://www.orica.com/images/UserUploadedImages/495/2013_Orica-KI_monitoring_locations.jpg
Concentration Limit: See licence L3.6

Monthly Summary: December 2017

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	Max. Value	90 percentile Licence Limit	100 percentile Licence Limit	Exceedence ? (Yes/No)	Comments on Exceedences	
23	Effluent Discharge Point	5/01/18	Arsenic	mg/L	Daily	31	0.01	0.02		0.05	No		
		5/01/18	Chromium (hexavalent)	mg/L	Daily	31	<0.01	0.02	0.05	0.2	No		
		5/01/18	Nitrogen (Total)	mg/L	Daily	31	62	389	1500	2000	No		
		5/01/18	Oil and Grease	mg/L	Twice per Week	8	0.1	0.3		10	No		
		5/01/18	pH	pH	Continuous	31	7.1	8.4		6.2-9.5	No		
		5/01/18	Temperature	Degrees Celsius	Continuous	31	31.3	41.7		43	No		
		5/01/18	Total suspended solids	mg/L	Daily	31	3	34		50	No		
		5/01/18	Zinc	mg/L	Daily	31	<0.1	0.2		5	No		
		5/01/18	Flow	kL/day	Daily	31	1658	2865		4500	No		
		24	Effluent Diversion Pond	5/01/18				No discharge					



Orica Kooragang Island Monitoring Points 23-24

Details of Licence Conditions

EPA Licence No: 828
<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 (See licence reference P1.3): http://www.orica.com/images/UserUploadedImages/495/2013_Orica-KI_monitoring_locations.jpg

Concentration Limit: See licence L3.6

Monthly Summary: October 2017

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	Max. Value	90 percentile Licence Limit	100 percentile Licence Limit	Exceedence ? (Yes/No)	Comments on Exceedences
23	Effluent Discharge Point	3/11/17	Arsenic	mg/L	Daily	31	<0.01	0.04		0.05	No	
		3/11/17	Chromium (hexavalent)	mg/L	Daily	31	<0.01	0.03	0.05	0.2	No	
		3/11/17	Nitrogen (Total)	mg/L	Daily	31	119	359	1500	2000	No	
		3/11/17	Oil and Grease	mg/L	Twice per Week	8	0.1	0.5		10	No	
		3/11/17	pH	pH	Continuous	31	7.1	8.4		6.2-9.5	No	
		3/11/17	Temperature	Degrees Celsius	Continuous	31	19.4	40.5		43	No	
		3/11/17	Total suspended solids	mg/L	Daily	31	5	25		50	No	
		3/11/17	Zinc	mg/L	Daily	31	<0.1	0.3		5	No	
		3/11/17	Flow	kL/day	Daily	31	1764	2271		4500	No	
		24	Effluent Diversion Pond	3/11/17				No discharge				



Orica Kooragang Island Monitoring Points 23-24

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 (See licence reference P1.3): http://www.orica.com/images/UserUploadedImages/495/2013_Orica-KI_monitoring_locations.jpg
Concentration Limit: See licence L3.6

Monthly Summary: September 2017

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	Max. Value	90 percentile Licence Limit	100 percentile Licence Limit	Exceedence ? (Yes/No)	Comments on Exceedences
23	Effluent Discharge Point	5/10/17	Arsenic	mg/L	Daily	30	<0.01	0.02		0.05	No	
		5/10/17	Chromium (hexavalent)	mg/L	Daily	30	<0.01	0.02	0.05	0.2	No	
		5/10/17	Nitrogen (Total)	mg/L	Daily	30	106	286	1500	2000	No	
		5/10/17	Oil and Grease	mg/L	Twice per Week	8	0.1	0.5		10	No	
		5/10/17	pH	pH	Continuous	30	7.1	8.8		6.2-9.5	No	
		5/10/17	Temperature	Degrees Celsius	Continuous	30	16.6	39.4		43	No	
		5/10/17	Total suspended solids	mg/L	Daily	30	5	14		50	No	
		5/10/17	Zinc	mg/L	Daily	30	<0.1	0.2		5	No	
		5/10/17	Flow	kL/day	Daily	30	1764	2271		4500	No	
		24	Effluent Diversion Pond	5/10/17				No discharge				



Orica Kooragang Island Monitoring Points 23-24

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&searchchange=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 (See licence reference P1.3): http://www.orica.com/images/UserUploadedImages/495/2013_Orica-KI_monitoring_locations.jpg
Concentration Limit: See licence L3.6

Monthly Summary: August 2017

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	Max. Value	90 percentile Licence Limit	100 percentile Licence Limit	Exceedence ? (Yes/No)	Comments on Exceedences	
23	Effluent Discharge Point	7/09/17	Arsenic	mg/L	Daily	31	<0.01	0.02		0.05	No		
		7/09/17	Chromium (hexavalent)	mg/L	Daily	31	<0.01	0.02	0.05	0.2	No		
		7/09/17	Nitrogen (Total)	mg/L	Daily	31	125	300	1500	2000	No		
		7/09/17	Oil and Grease	mg/L	Twice per Week	10	0.1	0.4		10	No		
		7/09/17	pH	pH	Continuous	31	7.5	9.3		6.2-9.5	No		
		7/09/17	Temperature	Degrees Celsius	Continuous	31	28.3	41.3		43	No		
		7/09/17	Total suspended solids	mg/L	Daily	31	4	17		50	No		
		7/09/17	Zinc	mg/L	Daily	31	<0.1	0.2		5	No		
		7/09/17	Flow	kL/day	Daily	31	1587	2582		4500	No		
		24	Effluent Diversion Pond	7/09/17				No discharge					



Orica Kooragang Island Monitoring Points 23-24

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 (See licence reference P1.3): http://www.orica.com/images/UserUploadedImages/495/2013_Orica-KI_monitoring_locations.jpg
Concentration Limit: See licence L3.6

Monthly Summary: July 2017

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	Max. Value	90 percentile Licence Limit	100 percentile Licence Limit	Exceedence ? (Yes/No)	Comments on Exceedences
23	Effluent Discharge Point	2/08/17	Arsenic	mg/L	Daily	30	<0.01	0.02		0.05	No	
		2/08/17	Chromium (hexavalent)	mg/L	Daily	30	<0.01	0.01	0.05	0.2	No	
		2/08/17	Nitrogen (Total)	mg/L	Daily	30	46	421	1500	2000	No	
		2/08/17	Oil and Grease	mg/L	Twice per Week	9	0.2	1.6		10	No	
		2/08/17	pH	pH	Continuous	30	7.0	8.9		6.2-9.5	No	
		2/08/17	Temperature	Degrees Celsius	Continuous	30	26.8	37.8		43	No	
		2/08/17	Total suspended solids	mg/L	Daily	30	3	26		50	No	
		2/08/17	Zinc	mg/L	Daily	30	<0.1	0.2		5	No	
		2/08/17	Flow	kL/day	Daily	30	2044	2637		4500	No	
		24	Effluent Diversion Pond	2/08/17				No discharge				



Orica Kooragang Island Monitoring Points 23-24

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 (See licence reference P1.3): http://www.orica.com/images/UserUploadedImages/495/2013_Orica-KI_monitoring_locations.jpg
Concentration Limit: See licence L3.6

Monthly Summary: June 2017

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	Max. Value	90 percentile Licence Limit	100 percentile Licence Limit	Exceedence ? (Yes/No)	Comments on Exceedences	
23	Effluent Discharge Point	6/07/17	Arsenic	mg/L	Daily	30	<0.01	0.02		0.05	No		
		6/07/17	Chromium (hexavalent)	mg/L	Daily	30	<0.01	0.01	0.05	0.2	No		
		6/07/17	Nitrogen (Total)	mg/L	Daily	30	32	290	1500	2000	No		
		6/07/17	Oil and Grease	mg/L	Twice per Week	9	2.0	6.5		10	No		
		6/07/17	pH	pH	Continuous	30	7.2	9.2		6.2-9.5	No		
		6/07/17	Temperature	Degrees Celsius	Continuous	30	12.6	39.5		43	No		
		6/07/17	Total suspended solids	mg/L	Daily	30	2	17		50	No		
		6/07/17	Zinc	mg/L	Daily	30	<0.1	0.3		5	No		
		6/07/17	Flow	kL/day	Daily	30	1981	3627		4500	No		
		24	Effluent Diversion Pond	6/07/17				No discharge					



Orica Kooragang Island Monitoring Points 23-24

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&searchchange=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 (See licence reference P1.3): http://www.orica.com/images/UserUploadedImages/495/2013_Orica-KI_monitoring_locations.jpg
Concentration Limit: See licence L3.6

Monthly Summary: May 2017

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	Max. Value	90 percentile Licence Limit	100 percentile Licence Limit	Exceedence ? (Yes/No)	Comments on Exceedences
23	Effluent Discharge Point	2/06/17	Arsenic	mg/L	Daily	31	<0.01	0.02		0.05	No	
		2/06/17	Chromium (hexavalent)	mg/L	Daily	31	<0.01	0.05	0.05	0.2	No	
		2/06/17	Nitrogen (Total)	mg/L	Daily	31	79	264	1500	2000	No	
		2/06/17	Oil and Grease	mg/L	Twice per Week	10	0.2	28.0		10	Yes	
		2/06/17	pH	pH	Continuous	31	6.3	8.8		6.2-9.5	No	
		2/06/17	Temperature	Degrees Celsius	Continuous	31	22.2	43.2		43	Yes	
		2/06/17	Total suspended solids	mg/L	Daily	31	3	17		50	No	
		2/06/17	Zinc	mg/L	Daily	31	<0.1	0.1		5	No	
		2/06/17	Flow	kL/day	Daily	31	1283	2808		4500	No	
		24	Effluent Diversion Pond	2/06/17				No discharge				



Orica Kooragang Island Monitoring Points 23-24

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 (See licence reference P1.3): http://www.orica.com/images/UserUploadedImages/495/2013_Orica-KI_monitoring_locations.jpg
Concentration Limit: See licence L3.6

Monthly Summary: April 2017

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	Max. Value	90 percentile Licence Limit	100 percentile Licence Limit	Exceedence ? (Yes/No)	Comments on Exceedences
23	Effluent Discharge Point	1/05/17	Arsenic	mg/L	Daily	30	<0.01	0.02		0.05	No	
		1/05/17	Chromium (hexavalent)	mg/L	Daily	30	<0.01	<0.01	0.05	0.2	No	
		1/05/17	Nitrogen (Total)	mg/L	Daily	30	49	172	1500	2000	No	
		1/05/17	Oil and Grease	mg/L	Twice per Week	10	0.2	0.3		10	No	
		1/05/17	pH	pH	Continuous	30	6.3	8.7		6.2-9.5	No	
		1/05/17	Temperature	Degrees Celsius	Continuous	30	15.2	39.1		43	No	
		1/05/17	Total suspended solids	mg/L	Daily	30	5	16		50	No	
		1/05/17	Zinc	mg/L	Daily	30	<0.1	0.7		5	No	
		1/05/17	Flow	kL/day	Daily	30	1120	3054		4500	No	
		24	Effluent Diversion Pond	1/05/17				No discharge				