



Orica Kooragang Island Monitoring Point 32

Details of Licence Conditions

EPA Licence No: 828
 Licensee Name: ORICA AUSTRALIA PTY LTD
 Licensee Address: 15 Greenleaf Rd, KOORAGANG NSW 2304

EPL Monitoring Summary

Transpiration Area - Upgradient Groundwater

Monitoring Point	Monitoring Location	Pollutant	Unit of measure	Monitoring frequency	Annual Return Period					
					2018/2019 (23/07/2018)	2018/2019 (21/01/2019)	2019/2020 (06/08/2020)	2019/2020 (14/01/2020)	2020/2021 (27/07/2020)	2020/2021 (12/01/2021)
Monitoring Point 32	Upgradient of Main Transpiration Area	Calcium	milligrams per litre	6 monthly	343	480	399	398	589	316
Monitoring Point 32	Upgradient of Main Transpiration Area	Conductivity	deciSiemens per metre	6 monthly	2.23	3.18	2.92	2.91	4.13	2.72
Monitoring Point 32	Upgradient of Main Transpiration Area	Enterococci	colony forming units per 100 millilitres	6 monthly	<1	<1	<1	<1	<1	<1
Monitoring Point 32	Upgradient of Main Transpiration Area	Faecal Coliforms	colony forming units per 100 millilitres	6 monthly	<1	<1	<1	<1	<1	<1
Monitoring Point 32	Upgradient of Main Transpiration Area	Magnesium	milligrams per litre	6 monthly	21	17	15	16	29	17
Monitoring Point 32	Upgradient of Main Transpiration Area	Nitrate	milligrams per litre	6 monthly	256	366	310	275	630	359
Monitoring Point 32	Upgradient of Main Transpiration Area	Nitrogen (total)	milligrams per litre	6 monthly	291	442	361	358	675	405
Monitoring Point 32	Upgradient of Main Transpiration Area	pH	pH	6 monthly	7.16	7.12	7.2	7.59	4.34	4.19
Monitoring Point 32	Upgradient of Main Transpiration Area	Phosphorus (total)	milligrams per litre	6 monthly	0.1	0.2	0.03	0.21	0.02	0.04
Monitoring Point 32	Upgradient of Main Transpiration Area	Sodium	milligrams per litre	6 monthly	20	29	24	33	21	16
Monitoring Point 32	Upgradient of Main Transpiration Area	Standing Water Level	metres	6 monthly	2.67	2.9	2.78	2.92	1.745	1.58
Monitoring Point 32	Upgradient of Main Transpiration Area	Sulfate	milligrams per litre	6 monthly	31	50	37	35	12	17
Monitoring Point 32	Upgradient of Main Transpiration Area	Total dissolved solids	milligrams per litre	6 monthly	1690	4150	1750	2480	4150	2520
Monitoring Point 32	Upgradient of Main Transpiration Area	Total Kjeldahl Nitrogen	milligrams per litre	6 monthly	35	76.2	51	83	44.6	45.6
Date Published					13/09/2018	14/05/2019	12/09/2019	14/02/2020	12/08/2020	11/02/2021