



Orica Koorangang Island Monitoring Point 33

Details of Licence Conditions

EPA Licence No: 828
 Licensee Name: ORICA AUSTRALIA PTY LTD
 Licensee Address: 75 Greenleaf Rd, KOORAGANG NSW 2304

EPL Monitoring Summary

Groundwater - Downgradient of Main Transpiration Area (MP33)

Monitoring Point	Monitoring Location	Pollutant	Unit of measure	Monitoring frequency	Annual Return Period							
					2020/2021 (27/07/2020)	2020/2021 (10/02/2021)	2021/2022 (28/07/2021)	2021/2022 (25/01/2022)	2022/2023 (17/07/2022)	2022/2023 (25/01/2023)	2023/2024 (18/07/2023)	2023/2024 (16/01/2024)
Monitoring Point 33	Downgradient of Main Transpiration Area	Calcium	milligrams per litre	6 monthly	186	101	105	136	42	155	228	190
Monitoring Point 33	Downgradient of Main Transpiration Area	Conductivity	deciSiemens per metre	6 monthly	1.19	0.944	0.924	0.907	0.833	1.09	1.24	1.18
Monitoring Point 33	Downgradient of Main Transpiration Area	Enterococci	colony forming units per 100 millilitres	6 monthly	<1	<1	<1	<1	36	<9	<9	<10
Monitoring Point 33	Downgradient of Main Transpiration Area	Faecal Coliforms	colony forming units per 100 millilitres	6 monthly	<1	1	<1	<1	33	<9	<9	<10
Monitoring Point 33	Downgradient of Main Transpiration Area	Magnesium	milligrams per litre	6 monthly	11	8	7	13	12	10	16	10
Monitoring Point 33	Downgradient of Main Transpiration Area	Nitrate	milligrams per litre	6 monthly	28.8	9.23	5.15	13.8	19.5	3.08	33.6	25.4
Monitoring Point 33	Downgradient of Main Transpiration Area	Nitrogen (total)	milligrams per litre	6 monthly	37	29.3	35.4	22.3	19.5	4.7	39.3	30.1
Monitoring Point 33	Downgradient of Main Transpiration Area	pH	pH	6 monthly	7.09	7.2	7.38	7.31	7.29	7.29	7.21	7.07
Monitoring Point 33	Downgradient of Main Transpiration Area	Phosphorus (total)	milligrams per litre	6 monthly	0.61	0.67	1.08	1.88	1.31	1.6	0.99	1.06
Monitoring Point 33	Downgradient of Main Transpiration Area	Sodium	milligrams per litre	6 monthly	49	36	33	38	33	43	47	54
Monitoring Point 33	Downgradient of Main Transpiration Area	Standing Water Level	metres	6 monthly	1.85	1.5	2.59	N/A	1.94	2.83	1.62	0.985
Monitoring Point 33	Downgradient of Main Transpiration Area	Sulfate	milligrams per litre	6 monthly	34	24	53	47	42	43	44	65
Monitoring Point 33	Downgradient of Main Transpiration Area	Total dissolved solids	milligrams per litre	6 monthly	821	486	482	536	574	560	802	918
Monitoring Point 33	Downgradient of Main Transpiration Area	Total Kjeldahl Nitrogen	milligrams per litre	6 monthly	8.2	20	30.2	8.5	<2	1.06	6	4.6
Date Published					12/08/2020	15/02/2021	17/08/2021	16/02/2022	14/04/2023	14/04/2023	10/09/2023	15/03/2024