

Licensee

Lord Howe Island Board

Licensee address

PO Box 5 Lord Howe Island NSW 2898

Pollutant	Units	EPA licence limits	Results
BOD (mg/l)	mg/L	90% concentration limit <20 and 100% <30	6
Faecal Coliforms	cfu/100mL	100% concentration limit <30	18.5
pH	pH	100% within 6.5 - 8.5	6.5 - 8.2
Daily discharge (max)	L/day	3,000	1,496.50

NATA Laboratory Results (except where otherwise indicated) - for EPA Reporting

Discharge Point 2 - AWTS		Results	LHIB Lab		LHIB Lab		LHIB Lab		LHIB Lab		LHIB Lab		LHIB Lab		LHIB Lab		LHIB Lab		LHIB Lab		LHIB Lab		LHIB Lab		LHIB Lab	
Monthly (CJ & EC - fortnight)			Jun-24		Jul-24		Aug-24		Sep-24		Oct-24		Nov-24		Dec-24		Jan-25		Feb-25		Mar-25		Apr-25		May-25	
Pollutant	Units		21-Aug		03-Sep	10-Sep	02-Oct		20-Nov	27-Nov	03-Dec		15-Jan	05-Feb		05-Mar	19-Mar	26-Mar	09-Apr	16-Apr	22-Apr	21-May				
Ammonia	mg/L					0.06				0.03			14.2				0.08			<0.10						
BOD	mg/L					<2				<2			6							<2						
Chlorine (free residual)	mg/L		0.32		0.06	0.04	1.73		0.64	3.8	1.27		0.45	1.24		0.06	0.09	1.74	0.5	58	0.00	0.00				
Faecal coliforms	cfu/100mL		3.1		9.8	-2	6.3		5.2	<1	1.0		<1	2.0		<1	<1	14.5	6.3	<1	18.5	23.1				
Nitrate	mg/L					68.8				64.1			78.4				25.8			18.5						
Nitrogen (total)	mg/L					80.9				80.4			155				38.4			47.6						
pH	pH		7.2		6.7	6.6	6.9		7.2	7.5	6.9		6.5	6.6		7.1	7.65	7.6	7.4	7.8	8.3	7.6				
Phosphorus (total)	mg/L					13.3				14.60			19.3				14.7			12.8						
Total Dissolved Solids	mg/L					814				1350			1670				936			2420						

Discharge Point 3 - Groundwater Well Results - Quarterly			Jun-24		Jul-24		Aug-24		Sep-24		Oct-24		Nov-24		Dec-24		Jan-25		Feb-25		Mar-25		Apr-25		May-25	
Pollutant	Units	ANZ WQG							10-Sep		19-Nov										19-Mar					
Ammonia	mg/L								0.2		0.2										0.23					
BOD	mg/L								<2		<2										2					
Faecal coliforms	cfu/100mL								<1		<1										9.8					
Nitrate	mg/L								<0.01		<0.01										<0.01					
Nitrogen (total)	mg/L	30							0.4		0.4										0.3					
pH	pH								8.2		7.8										7.99					
Phosphorus (total)	mg/L	3							0.09		0.07										0.12					
Total Dissolved Solids	mg/L								606		658										577					
Electrical Conductivity	µS/cm								1170		1080										1140					
Turbidity	NTU	0.5							3.3		1.6										1.7					
Sodium Absorption Ratio									2.29		2.15										4.23					
Chlorine (free residual)	mg/L								<0.02		<0.02										<0.02					

Discharge Point 4 - Groundwater Well Results - Quarterly			Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	Apr-25	May-25
Pollutant	Units	ANZ WQG				10-Sep		19-Nov				19-Mar		
Ammonia	mg/L					0.08		0.11				0.05		
BOD	mg/L					<2		<2				<2		
Faecal coliforms	cfu/100mL					<1		<1				<1		
Nitrate	mg/L					0.33		0.45				2.93		
Nitrogen (total)	mg/L	30				0.6		0.8				3.4		
pH	pH					8.01		7.79				7.96		
Phosphorus (total)	mg/L	3				0.03		0.03				0.04		
Total Dissolved Solids	mg/L					857		808				824		
Electrical Conductivity	µS/cm					1590		1350				1450		
Turbidity	NTU	0.5				5.7		4.5				3.9		
Sodium Absorption Ratio						3.53		2.94				2.11		
Chlorine (free residual)	mg/L					<0.2		<0.02				<0.02		