

Lord Howe Island Waste Management Facility
 EPA Licence No. 10466
 Licence Anniversary 8-Jun
 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	<2
Faecal Coliforms	cfu/100mL	100% concentration limit <30	12.0
pH	pH	100% within 6.5 - 8.5	6.6 - 8.06
Daily discharge (max)	Lt/day	3,000	1,793.07

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

		LHIB Lab		LHIB Lab		LHIB Lab		LHIB Lab		LHIB Lab		LHIB Lab		LHIB Lab		LHIB Lab		LHIB Lab		LHIB Lab					
Discharge Point 2 - AWTS Results Monthly (CI & FC - fortnight)		Jun-23		Jul-23		Aug-23		Sep-23		Oct-23		Nov-23		Dec-23		Jan-24		Feb-24		Mar-24		Apr-24		May-24	
Pollutant	Units	28-Jun		15-Aug	23-Aug	20-Sep	26-Sep	17-Oct		1-Nov	21-Nov		13-Dec					21-Mar	27-Mar	3-Apr	10-Apr	1-May	14-May		
Ammonia	mg/L				51.7	7.79							20						0.02				1.93		
BOD	mg/L				<2	<2							<2						<2				<2		
Chlorine (free residual)	mg/L	0.86		0.53	0.74	1.32	1.03	0.22		0.38	0.87		0.22					1.4	26.8	1.1	2.5	0.21	0.13		
Faecal coliforms	cfu/100mL	3.1		2.0	<1	<1	<1	7.4		2.0	4.1		-9					<1	<1	5.2	<1	<1	<1		
Nitrate	mg/L				5.91								3.31						38.3				21.9		
Nitrogen (total)	mg/L				55.8	19.8							25.1						82.1				37.7		
pH	pH	6.6		7.1	7.83	7.88	6.7	6.8		6.9	6.9		7.92					6.7	7.2	6.5	6.6	7.8	6.7		
Phosphorus (total)	mg/L				10.4	9.89							15.6						10.5				8.32		
Total Dissolved Solids	mg/L				1050	944							1200						1240				886		

Discharge Point 3 - Groundwater Well Results Quarterly			Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Apr-24	May-24
Pollutant	Units	ANZ WQG			23-Aug			7-Nov				27-Mar		1-May
Ammonia	mg/L				0.06			0.16				0.2		0.23
BOD	mg/L				<2			<2				5		<2
Faecal coliforms	cfu/100mL				<1			<1				<1		<1
Nitrate	mg/L				0.69			0.02				<0.01		0.04
Nitrogen (total)	mg/L	30			1.0			2.0				0.4		0.04
pH	pH				7.92			8.2				7.89		8.05
Phosphorus (total)	mg/L	3			0.03			0.06				0.08		0.18
Total Dissolved Solids	mg/L				790			659				726		765
Electrical Conductivity	µS/cm							1190				1410		
Turbidity	NTU	0.5						0.5				1.4		
Sodium Absorption Ratio								2.83				3.28		
Chlorine (free residual)	mg/L				<0.02			<0.02				<0.02		<0.02

Discharge Point 4 - Groundwater Well Results - Quarterly			Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Apr-24	May-24
Pollutant	Units	ANZ WQG			23-Aug			7-Nov				27-Mar		1-May
Ammonia	mg/L				0.2			0.06				0.09		0.09
BOD	mg/L				<2			<2				4		<2
Faecal coliforms	cfu/100mL				<1			<1				<1		<1
Nitrate	mg/L				<0.01			1.67				0.15		2.27
Nitrogen (total)	mg/L	30			0.3			2.2				0.6		2.8
pH	pH				8.03			8.06				7.69		7.88
Phosphorus (total)	mg/L	3			0.09			0.03				0.07		0.05
Total Dissolved Solids	mg/L				684			764				10000		2470
Electrical Conductivity	µS/cm							1260				14800		3900
Turbidity	NTU	0.5						0.7				0.6		1.4
Sodium Absorption Ratio								2.83				24		8.31
Chlorine (free residual)	mg/L				<0.02			<0.02				<0.02		0.02

Discharge Point 1	Jun-23		Jul-23		Aug-23		Sep-23		Oct-23		Nov-23		Dec-23		Jan-24		Feb-24		Mar-24		Apr-24		May-24	
	16-Jun	30-Jun	14-Jul	31-Jul	15-Aug	29-Aug	11-Sep	27-Sep	12-Oct	26-Oct	8-Nov	22-Nov	6-Dec	21-Dec	9-Jan	23-Jan	12-Feb	26-Feb	11-Mar	24-Mar	10-Apr	24-Apr	11-May	27-May
Water Meter Reading	1,571.6340	1,593.2290	1,609.9720	1,627.2990	1,645.3510	1,659.9360	1,678.5240	1,683.9380	1,705.7020	1,725.1440	1,732.1410	1,757.2440	1,773.3160	1,784.6780	1,798.8420	1,812.9310	1,821.7330	1,829.1180	1,853.6310	1,856.4950	1,860.5520	1,876.9210	1,894.3080	1,904.3150
Treated effluent (l)	7,766.0000	21,595.00	16,743.00	17,327.00	18,052.00	14,585.00	18,588.00	5,414.00	21,764.00	19,442.00	6,997.00	25,103.00	16,072.00	11,362.00	14,164.00	14,089.00	8,802.00	7,385.00	24,513.00	2,864.00	4,057.00	16,369.00	17,387.00	10,007.00
Ave Litres per day	485.38	1,542.50	1,195.93	1,019.24	1,203.47	1,041.79	1,429.85	338.38	1,450.93	1,388.71	538.23	1,793.07	1,148.00	757.47	745.47	1,006.36	440.10	527.50	1,750.93	220.31	238.65	1,169.21	1,022.76	625.44
Rainfall in period (mm)	15.0	37.5	33.0	34.5	45.0	65.0	50.0	10.5	2.0	26.6	60.4	51.2	14.8	3.4	74.8	10.8	4.2	29.2	29.4	12.2	175.0	48.4	64.4	49.4