

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	50%	100%
BOD (mg/l)	mg/L	50% concentration limit	8.5	
pH	pH	100% within 6.5 - 8.5		8.1
Daily discharge (max)	KL/day	e		1.26

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

Monitoring Point 2 - AWTS Results (CL & EC - fortnight)	Results	LHIB Lab		LHIB Lab		LHIB Lab		LHIB Lab		LHIB Lab		LHIB Lab		LHIB Lab	
		Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	May-18		
Pollutant	Units	13-Jun	28-Jun	11-Jul	25-Jul	7-Aug	23-Aug	12-Sep	26-Sep						
Ammonia	mg/L	0.24		26.6		0.5		62.1							
BOD	mg/L	2		15		2		64							
Chlorine (free residual)	mg/L	0.02	0.09	0.02	2.5	0.17	0.24	0.06	0.77						
Faecal coliforms	cfu/100mL	1	13.2	1	1	1	1	50000	1						
Nitrate	mg/L	99.5		27.9		66.4		4.25							
Nitrogen (total)	mg/L	114		79.3		84.1		68.3							
pH	pH	7.83	6.7	7.58	6.8	7.65	7.1	8.06	6.8						
Phosphorus (total)	mg/L	5.92		10.3		9.88		16.5							
Total Dissolved Solids	mg/L	1100		844		869		902							

Monitoring Point 3 - Groundwater Well (#1) Results - Quarterly	Results	ANZECC	7-Aug
Pollutant	Units		
Ammonia	mg/L		0.24
BOD	mg/L		2
Faecal coliforms	cfu/100mL		1
Nitrate	mg/L	0.05	0.05
Nitrogen (total)	mg/L	0.12	0.4
pH	pH		8.03
Phosphorus (total)	mg/L	0.025	0.03
Total Dissolved Solids	mg/L		593
Conductivity	uS/cm		1120
Turbidity	NTU	0.5	0.7
Sodium Absorption Ratio			1.78
Chlorine (free residual)	mg/L		0.12

Monitoring Point 4 - Groundwater Well (#2) Quarterly	Results	ANZECC	7-Aug
Pollutant	Units		
Ammonia	mg/L		0.08
BOD	mg/L		2
Faecal coliforms	cfu/100mL		1
Nitrate	mg/L	0.12	0.67
Nitrogen (total)	mg/L		1.0
pH	pH		7.94
Phosphorus (total)	mg/L	0.025	0.01
Total Dissolved Solids	mg/L		744
Conductivity	uS/cm		1500
Turbidity	NTU	0.5	0.7
Sodium Absorption Ratio			2.94
Chlorine (free residual)	mg/L		0.04

Monitoring Point 1	Jun-17		Jul-17		Aug-17		Sep-17		Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18	Apr-18	May-18
	13-Jun	27-Jun	12-Jul	26-Jul	11-Aug	25-Aug	11-Sep	25-Sep								
Water Meter Reading	52,331.0	64,077.0	74,963.0	80,690.0	85,756.0	93,119.0	114,565.0	120,856.0								
Treated effluent (l)	3,814,000.0	11,746,000.0	10,886,000.0	5,717,000.0	5,076,000.0	7,363,000.0	21,446,000.0	6,289,000.0								
Ave Litres per day	293.36	839.00	725.73	408.36	317.25	525.93	1,261.53	449.21								
Rainfall in period (mm)	42	151	42	52	43	76.5	42	23								

EPA licence limits	min	average	high	50%	100%	Sample Count
50% < 40	2.0	20.8	64.0	8.5		4
100% < 6.5 - 8.5	6.70	7.32	8.06		8.06	8

EPA licence limits	min	average	high	50%	100%	Sample Count
50% < 40	2.0	2.0	2.0	2		1
100% < 6.5 - 8.5	8.03	8.03	8.03		8.03	1

EPA licence limits	min	average	high	50%	100%	Sample Count
50% < 40	2.0	2.0	2.0	2		1
100% < 6.5 - 8.5	7.94	7.94	7.94		7.94	1

Sample Count	Min	Average	High
8	293.4	602.6	1,261.53