



Your Ref: L92222/2019/1 DER2019/000566
Our Ref: 135568049
Enquiries: [REDACTED]
Telephone: [REDACTED]

26 April 2022

The Chief Operating Officer
Department of Water and Environmental Regulation
Locked Bag 10
Joondalup DC
JOONDALUP WA 6027

Attention: [REDACTED]

Dear [REDACTED],

**POINT SOURCE EMISSIONS QUARTERLY REPORT – CHRISTMAS ISLAND
WASTEWATER TREATMENT PLANT (L9222)**

Condition 23, Table 8 of licence L9222/2019/1 requires Water Corporation to submit a quarterly report on the point source emissions to surface water within 28 days following the quarterly reporting period.

The attached report provides data for the period 1 January 2022 – 31 March 2022. All results are within expected treatment plant performance targets for the period.

If you require any further information, please do not hesitate to contact [REDACTED].

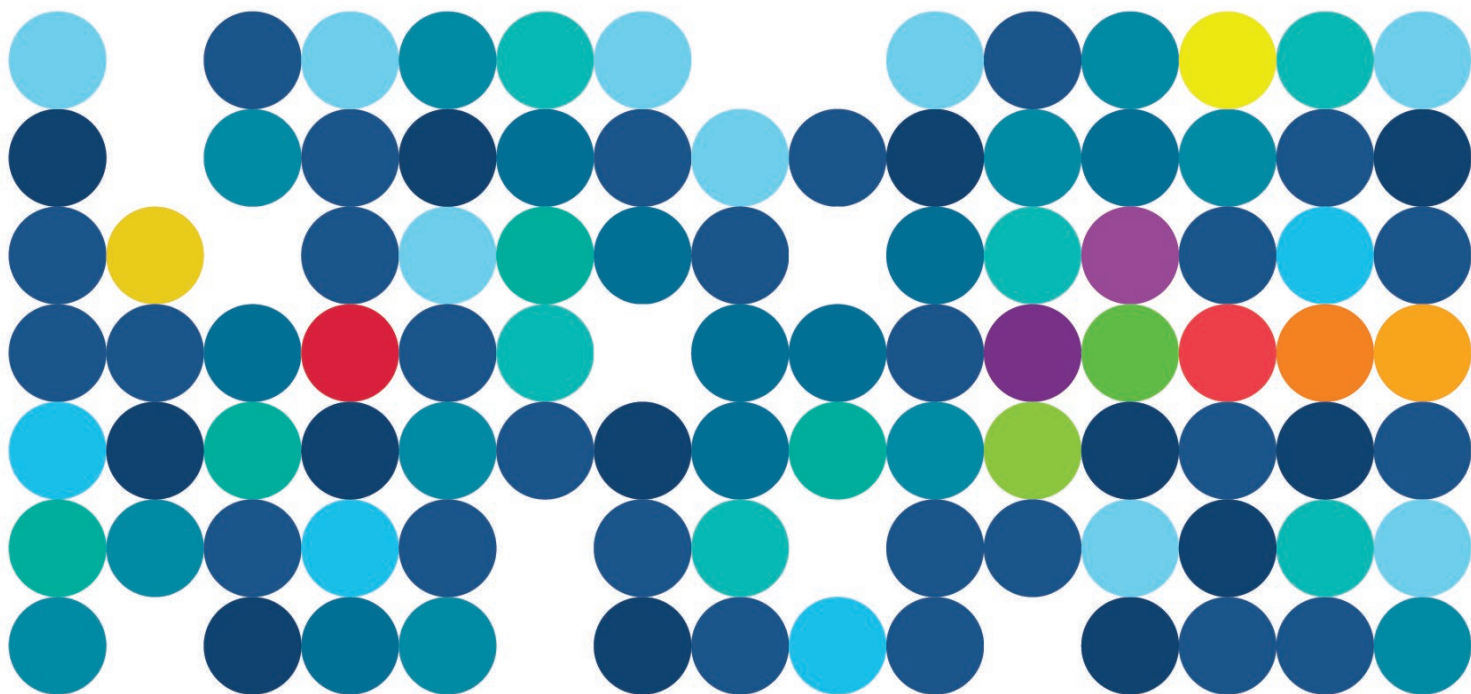
Yours sincerely

[REDACTED]
Manager Environment Section
Water Corporation

Christmas Island WWTP L9222

Quarterly Monitoring Report

January 2022-March 2022





Period 3 2021-22 (Jan-Mar 2022)

This report is provided to satisfy Condition 23 Table 8 from Licence L9222/2019/1, Table 4.2.2 Non- annual reporting requirements.

23. The Licensee shall submit the information in Table 8 to the CEO according to the specifications in that table.

Table 8: Non-annual reporting requirements				
Condition or table (if relevant)	Parameter	Reporting period	Reporting date (after end of the reporting period)	Format or form
Table 5	Monitoring of point source emissions to surface water	Quarterly	28 calendar days	Include an assessment of any elevated results, associated impact and any actions undertaken to rectify issues.
-	Copies of original monitoring reports submitted to the Licensee by third parties	Not Applicable	Within 14 days of the CEOs request	As received by the Licensee from third parties.

Licence:	L9222/2019/1	Licensee:	Water Corporation
Name:	Assessment of elevated emission results	Period of report	1 Jan – 31 Mar 2022 Quarter 3
Form ET1: Target exceedance			
Please provide an analysis for the reporting period of:			
<p>(a) The emission point and parameter sampling requirements;</p> <p>(b) The monitoring result values and description elevated trends;</p> <p>(c) The root cause analysis for any elevated results ;</p> <p>(d) Any common or contributory factors including but not limited to flow rates;</p> <p>(e) A description of remedial measures taken or planned to be taken, including those taken to prevent recurrence of the elevated result; and</p> <p>(f) Complaints received that may have been caused by these elevated results.</p>			
(a) Christmas Island WWTP – SP Xmas Is WWTP Effluent Autosampler 1			



	18/01/2022	22/02/2022	15/03/2022
pH lab	8.3	8.01	8.01
pH insitu	8.09	7.98	8.03
Biochemical Oxygen Demand (mg/L)	<5	<5	<5
Total Dissolved Solids (by evap) mg/L	390	350	400
Total Nitrogen mg/L	1.3	1.4	1.5
Total Phosphorus mg/L	0.28	0.31	0.29
E.Coli /100 mL	10	<10	<10
Ammonium-nitrogen mg/L	0.085	0.07	0.065
Nitrate+Nitrate as Nitrogen mg/L	0.64	0.61	0.85
Oil and Grease mg/L	0	<5	<5
Suspended Solids mg/L	<5	<5	<5
Copper mg/L	0.012	-	-
Lead mg/L	<0.02	-	-
Zinc mg/L	0.02	-	-
Cadmium mg/L	<0.02	-	-

(b) All results are within process targets, no adverse results or trends observed.
Average inflow for the period was 406-593 kL/day, well below licence capacity of 1750 kL/day

(c) n/a

(d) n/a

(e) n/a

(f) No complaints received