

Notice

Environmental Protection Act 1994

Notice of decision - Temporary emissions licence

This statutory notice is issued by the administering authority pursuant to section 357E of the Environmental Protection Act 1994, to advise you of a decision or action.

To: Central SEQ Distributor – Retailer Authority T/A
Queensland Urban Utilities
Level 2, 15 Green Square Close
Fortitude Valley, QLD 4006

Email: Monique.Gastaldin@urbanutilities.com.au
Attention: Monique Gastaldin

Reference: A-TEL-NEW-100215279

Application for temporary emissions licence (TEL) for flood impacted sewage treatment plants (resource recovery centres).

1 TEL details

The application for a temporary emissions licence was received by the administering authority on 4 March 2022. The administering authority approved the TEL effective on 4 March 2022 to override specific conditions of environmental authority EPPR0052151 and authorising the release of contaminants to waters and land until 3 June 2022.

A request to amend the temporary emissions license was received by the administering authority on 25 May 2022.

Application reference number: A-TEL-NEW-100215279

2 Decision

The administering authority has decided to amend the TEL (A-TEL-NEW-100215279) with written agreement from the EA holder on 3 June 2022.

Authorised activities and locations:

Environmentally relevant activity	Locations
ERA 63 Sewage treatment (1)(g) operating sewage treatment works, other than no-release works, with a total daily peak design capacity of— more than 100,000EP	Oxley Sewage Treatment Plant 240 Donaldson Rd, ROCKLEA QLD 4106. Lot 818 SL5746, Lot 957 SL7763, Lot 1207 M3117, Lot 1 RP99640, Lot 83 SP220962, Lot 82 SP220962, Lot 2 on Plan RP37416, Lot 2 RP99640, Lot 100 SP1622583.

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Environmentally relevant activity	Locations
ERA 61 Thermal waste reprocessing and treatment (1)(a) thermally reprocessing or treating, in a year, the following quantity of general waste — 5,000t or less	Oxley Sewage Treatment Plant 240 Donaldson Rd, ROCKLEA QLD 4106. Lot 818 SL5746, Lot 957 SL7763, Lot 1207 M3117, Lot 1 RP99640, Lot 83 SP220962, Lot 82 SP220962, Lot 2 on Plan RP37416, Lot 2 RP99640, Lot 100 SP1622583.
ERA 61 Thermal waste reprocessing and treatment (2)(a) thermally reprocessing or treating, in a year, the following quantity of category 2 regulated waste— 5,000t or less	Oxley Sewage Treatment Plant 240 Donaldson Rd, ROCKLEA QLD 4106. Lot 818 SL5746, Lot 957 SL7763, Lot 1207 M3117, Lot 1 RP99640, Lot 83 SP220962, Lot 82 SP220962, Lot 2 on Plan RP37416, Lot 2 RP99640, Lot 100 SP1622583.
ERA 61 Thermal waste reprocessing and treatment (3)(a) thermally reprocessing or treating, in a year, the following quantity of category 1 regulated waste— (a) 5,000t or less	Oxley Sewage Treatment Plant 240 Donaldson Rd, ROCKLEA QLD 4106. Lot 818 SL5746, Lot 957 SL7763, Lot 1207 M3117, Lot 1 RP99640, Lot 83 SP220962, Lot 82 SP220962, Lot 2 on Plan RP37416, Lot 2 RP99640, Lot 100 SP1622583.

This amended temporary emissions licence commences on 03 June 2022 and authorises the release of contaminants to waters and air until 31 December 2022.

This amended temporary emissions licence overrides the following conditions of your environmental authority, approval number EPPR00521513, only where they apply to the Oxley Sewage Treatment Plant: AB1, WTB1, WTB2 and WTB6.

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2.1 Temporary Emissions Licence Conditions

The following conditions temporarily apply to the locations as described above on this licence:

Condition number	Condition
TEL-1	Odours or airborne contaminants must not cause environmental nuisance at a sensitive place or commercial place except where: a) It is unavoidable due to adverse impacts caused by the applicable event ; and b) All reasonable and practicable measures have been taken to prevent environmental harm caused by the odours or airborne contaminants.
TEL-2	An investigation must be undertaken by you within 7 days, or a longer period agreed to in writing by the administering authority , into all complaints received by you regarding emissions permitted under this temporary emissions license to determine: a) the potential circumstances and actions on site that may have contributed to the basis of the complaint; and b) reasonable measures that could be implemented to address the complaint.
TEL-3	The measures identified under condition TEL-2(b) must be undertaken: a) as soon as practicable, but no more than 7 days after completing the investigation; or b) within another period agreed to in writing by the administering authority .
TEL-4	Where sewage is not bypassed in accordance with condition TEL-5, and where the sewage treatment process has not been directly impacted by the applicable event , contaminants generated by the activity must only be released to a discharge location(s) specified in <i>Appendix 1 - Contaminant limits for releases to surface water</i> where the following requirements are complied with: a) the contaminants being released comply with the release limits for each quality characteristic specified in <i>Appendix 1 - Contaminant limits for releases to surface water</i> ; and b) the contaminants being released are monitored at their minimum monitoring frequency for each quality characteristic specified in <i>Appendix 1 - Contaminant limits for releases to surface water</i> ; and c) the associated requirements in <i>Appendix 1 - Contaminant limits for releases to surface water</i> are complied with and records that demonstrate that compliance are made.
TEL-5	Bypass releases are permitted where: a) The release is within the period of this temporary emissions license is in effect; and b) The release is unavoidable due to adverse impacts caused by the applicable event ; and c) All reasonable and practicable measures have been taken to prevent the release.
TEL-6	The following information on bypass releases must be recorded: a) the start time, date and duration of the release; and b) the estimated volume of the bypass release; and c) the level of treatment at the sewage treatment plant prior to discharge; and d) the reason the release needed to occur; and e) any monitoring of the effluent quality released.
TEL-7	You must conduct an ongoing Receiving Environment Monitoring Program on waterways affected by the release of contaminants to waters permitted under this temporary emissions

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	license. This program must be conducted by an appropriately qualified person, at the sampling sites stated in Table 1: Sampling sites, and include at least the following: a) Fortnightly monitoring upstream and downstream of release points of dissolved oxygen, electrical conductivity, pH, turbidity, enterococci, ammonia, total nitrogen, and total phosphorus; and b) Fortnightly observations of any evidence of the occurrence of acute adverse environmental impacts on the receiving environment, such as incidence of a fish kill or incidence of algal blooms downstream of releases; and c) A description of all measures taken to prevent or minimise environmental harm associated with the releases. Table 1: Sampling sites <table border="1"> <thead> <tr> <th>Area</th><th>Address</th></tr> </thead> <tbody> <tr> <td>Cliveden Avenue Reserve Pontoon</td><td>Cliveden Avenue, Oxley</td></tr> <tr> <td>Brisbane River Ken Fletcher Park</td><td>Kind Arthur Terrace, Tennyson (Public pontoon from Parkland)</td></tr> <tr> <td>Kendell St Boat Ramp</td><td>Kendell Street, Oxley</td></tr> <tr> <td>Simpsons Playground Reserve Pontoon</td><td>225 Graceville Avenue, Graceville</td></tr> <tr> <td>Brisbane River</td><td>Jindalee near Kooringal Drive Park</td></tr> </tbody> </table>	Area	Address	Cliveden Avenue Reserve Pontoon	Cliveden Avenue, Oxley	Brisbane River Ken Fletcher Park	Kind Arthur Terrace, Tennyson (Public pontoon from Parkland)	Kendell St Boat Ramp	Kendell Street, Oxley	Simpsons Playground Reserve Pontoon	225 Graceville Avenue, Graceville	Brisbane River	Jindalee near Kooringal Drive Park
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TEL-8	A notification report must be provided to the administering authority's Pollution Hotline every calendar month, commencing from 30 June 2022 and for the duration of this temporary emissions licence, advising the following: a) Results of all monitoring conducted in accordance with the conditions of this temporary emissions license over the past calendar month; and b) A description of the ongoing progress with recovery actions and associated timeframes for completion as shown in <i>Appendix 2 – Oxley Recovery Project Actions and Timeframes</i>.												
TEL-9	All records required by the conditions of this temporary emissions license must be provided to the administering authority: a) within the timeframe specified by the administering authority; and b) in the format requested by the administering authority.												
TEL-10	Sewage overflow notification signs must be erected at appropriate locations (i.e. release points, publicly accessible locations), and public health messages must be distributed, where releases permitted under this temporary emissions license may pose a public health risk, unless agreed otherwise in writing with the administering authority.												

Definitions:

Key terms and/or phrases used in this document are defined in this section and **bolded** throughout this document. Applicants should note that where a term is not defined, the definition in the *Environmental Protection Act 1994*, its regulations or environmental protection policies must be used. If a word remains undefined it has its ordinary meaning.

Activity(ies) means the environmentally relevant activity(s) permitted under environmental authority EPPR0052151. An activity may be undertaken on the whole or a part of a site.

Administering authority means the Department of Environment and Science or its successor.

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Applicable event means the recovery stage of the Oxley Resource Recovery Centre following the flooding of the Oxley Creek from significant rainfall events occurring in the catchment reporting to the relevant sewage treatment plant from Friday 25th February 2022 to Friday 11 March 2022.

Appropriately qualified person means a person or persons who has professional qualifications, training, skills and experience relevant to the environmental authority (EA) requirements and can give authoritative assessment, advice and analysis in relation to the EA requirements using the relevant protocols, standards, methods and/or literature.

Bypass means when the standard treatment processes of the plant do not occur as a result of wet weather and inflows that are in excess of the peak design capacity for inflow resulting in the release of untreated or partially treated effluent from the sewage treatment plant to the environment.

Commercial place means a place used as a workplace, an office or for business or commercial purposes and includes a place within the curtilage of such a place reasonably used by persons at that place.

Environmental harm as defined in Section 14 of the *Environmental Protection Act 1994*.

Measures has the broadest interpretation and includes plant, equipment, physical objects, bunding, containment systems, monitoring, procedures, actions, directions and competency.

Receiving environment means Brisbane River and Lower Oxley Creek catchment areas

Records include breach notifications, written procedures, analysis results, monitoring reports and monitoring programs required under a condition of this temporary emissions license.

Sensitive place includes any of the following places:

- (a) a dwelling, residential allotment, mobile home or caravan park, residential marina or other residential premises; or
- (b) a motel, hotel or hostel; or
- (c) a kindergarten, school, university or other educational institution; or
- (d) a medical centre or hospital; or
- (e) a protected area under the *Nature Conservation Act 1992*, the *Marine Parks Act 2004* or a World Heritage Area; or
- (f) a public park or garden; or
- (g) for noise, a place defined as a sensitive receptor for the purposes of the Environmental Protection (Noise) Policy 2019; or
- (h) the area within the curtilage of any of the above places.

Waters includes river, stream, lake, lagoon, pond, swamp, wetland, unconfined surface water, unconfined water, natural or artificial watercourse, bed and bank of any waters, dams, non-tidal or tidal waters (including the sea), stormwater channel, stormwater drain, roadside gutter, stormwater run-off, and **groundwater** and any part thereof.

You means the holder of this temporary emissions license.

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Should you have any queries in relation to this notice, Rebecca Griffiths, A/Manager, on 07 3330 5055 would be happy to assist you.



Signature

03/06/2022

Date

Rebecca Griffiths

Department of Environment and Science
Delegate of the administering authority
Environmental Protection Act 1994

Enquiries:

Utilities and Government Organisations
Assessment
Phone: 1300 130 372
Email: palm@des.qld.gov.au

Appendix 1 - Contaminant limits for releases to surface water

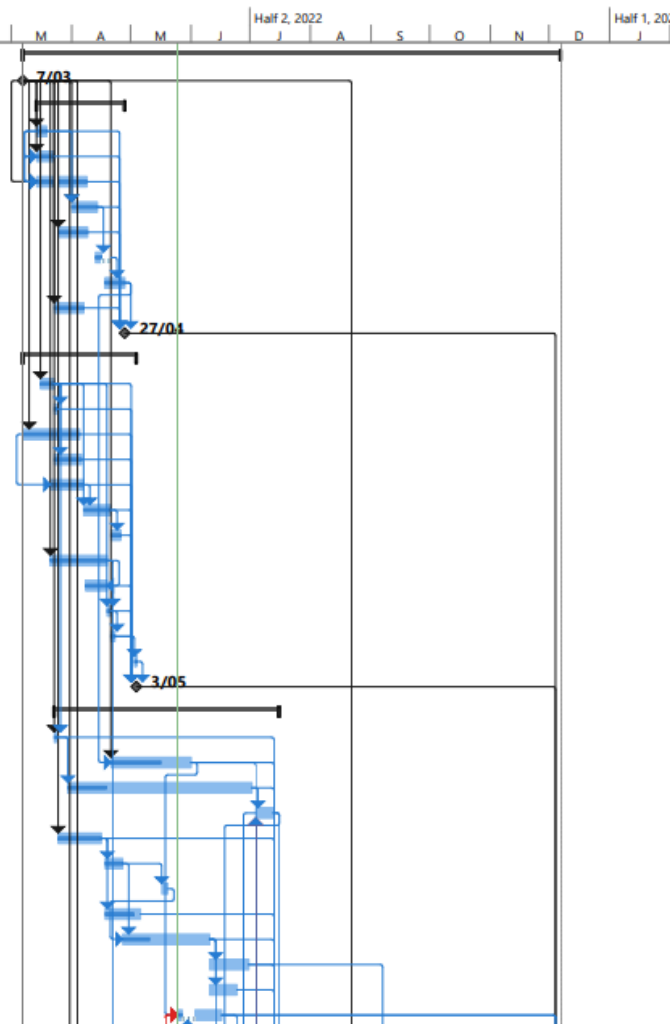
Release points	Monitoring Point	Quality Characteristic (units)	Sampling frequency	Minimum	Long Term 80th Percentile	Short term median	Maximum	Maximum	Long Term Median
W1 and W2	M1	BOD5 (mg/L)	Weekly	-	20	-	60	-	-
		Suspended Solids (mg/L)	Weekly	-	30	-	90	-	-
		pH (pH units)	Weekly	6.5	-	-	8.5	-	-
		Dissolved Oxygen (mg/L)	Weekly	2.0	-	-	-	-	-
	M1 and M2	Enterococci (cfu/100mL)	Weekly	-	-	260	-	-	-
	M1 and M2	Free chlorine (mg/L)	Weekly	-	-	-	-	0.7	-
	M1	Total Nitrogen (mg/L)	Weekly	-	-	-	-	-	-
		Total Phosphorus (mg/L)	Weekly	-	-	-	-	-	-
		Ammonia (mg/L)	Weekly	-	-	-	-	-	4

Associated requirements:

- (a) Release point W1 is identified as waters described as Brisbane River at 46.5km AMTD.
- (b) Release point W2 is identified as waters described as Oxley Creek at 8.0km AMTD
- (c) Monitoring point M1 is identified as the outlet from disinfection process
- (d) Monitoring point M2 is identified as Maintenance Hole, Teesdale Street, Corinda.
- (e) Sampling must be in accordance with the **administering authority's** Water Quality Sampling Manual and any additional relevant guidelines if necessary, or alternatively must be undertaken by a laboratory NATA certified for sampling.
- (f) All monitoring devices must be effectively calibrated and maintained.

Appendix 2 – Oxley Recovery Project Actions and Timeframes

ID	WBS	Task/Task Name	Duration	Start	Finish	% Complete	
1	1	Oxley Creek Flood Recovery	197 days	Mon 7/03/22	Tue 6/12/22	34%	
2	1.1	Initial Assessment and Mech Elec Ordering Start	0 days	Mon 7/03/22	Mon 7/03/22	100%	
3	1.2	Phase 1- Establish Treatment (liquid stream)	33 days	Mon 14/03/22	Wed 27/04/22	100%	
4	1.2.1	Inlet works operational open hydraulic pathway to outfall	5 days	Mon 14/03/22	Fri 18/03/22	100%	
5	1.2.2	Inlet works Pumps replaced	7 days	Mon 14/03/22	Tue 22/03/22	100%	
6	1.2.3	Hypo System Restored	17 days	Mon 14/03/22	Fri 8/04/22	100%	
7	1.2.4	Stage 1-4 RAS Motors (refurbished)	9 days	Fri 1/04/22	Wed 13/04/22	100%	
8	1.2.5	Clarifiers Operational	11 days	Fri 25/03/22	Fri 8/04/22	100%	
9	1.2.6	Stage 1-4 WAS pump Motors	3 days	Wed 13/04/22	Wed 20/04/22	100%	
10	1.2.7	Stage 5-8 RAS pump Motors (Refurbished)	8 days	Mon 18/04/22	Wed 27/04/22	100%	
11	1.2.8	New pipeline from Stage 5 to 1-4 (By Others)	11 days	Wed 23/03/22	Wed 6/04/22	100%	
12	1.2.9	Establish Treatment (Liquid Stream)	0 days	Wed 27/04/22	Wed 27/04/22	100%	
13	1.3	Phase 2 - Establish Dewatering	42 days	Mon 7/03/22	Tue 3/05/22	100%	
14	1.3.1	Instrument assessment for Cambi/ GDD/BFP completed	5 days	Wed 16/03/22	Tue 22/03/22	100%	
15	1.3.2	Assesment for GDD Polymer dosing area completed	1 day	Wed 23/03/22	Wed 23/03/22	100%	
16	1.3.3	New motors and Bearings for GDD/ BFP area	21 days	Mon 7/03/22	Mon 4/04/22	100%	
17	1.3.4	Instruments and PLC modules for Dewatering	10 days	Wed 23/03/22	Tue 5/04/22	100%	
18	1.3.5	BFP Operational (Mech/Elec only) 2 of 3	13 days	Mon 21/03/22	Wed 6/04/22	100%	
19	1.3.6	BFP Instruments and comms Established (2 of 3)	10 days	Thu 7/04/22	Wed 20/04/22	100%	
20	1.3.7	BFP testing and recommissioning (2 of 3)	3 days	Thu 21/04/22	Mon 25/04/22	100%	
21	1.3.8	Poly Dosing pumps and Motors delivered	21 days	Mon 21/03/22	Mon 18/04/22	100%	
22	1.3.9	Polymer Dosing operational (Mech/Elec Only)	7 days	Fri 8/04/22	Mon 18/04/22	100%	
23	1.3.10	Polymer instruments and comms Established	2 days	Tue 19/04/22	Wed 20/04/22	100%	
24	1.3.11	Polymer testing and recommissioning	2 days	Thu 21/04/22	Fri 22/04/22	100%	
25	1.3.12	Sludge cake to bypass bin, Truck out from Site	1 day	Tue 3/05/22	Tue 3/05/22	100%	
26	1.3.13	Dewatering Established	0 days	Tue 3/05/22	Tue 3/05/22	100%	
27	1.4	Phase 3 Establish Sludge digestion processing train	83 days	Wed 23/03/22	Fri 15/07/22	32%	
28	1.4.1	CAMBI Assesment Complete	1 day	Wed 23/03/22	Wed 23/03/22	100%	
29	1.4.2	CAMBI Rectification (Mech/ Elec Only)	29 days	Thu 21/04/22	Tue 31/05/22	60%	
30	1.4.3	New Instruments and PLC modules for Sludge area	68 days	Wed 30/03/22	Fri 1/07/22	20%	
31	1.4.4	CAMBI Instrument and comms Established	7 days	Mon 4/07/22	Tue 12/07/22	0%	
32	1.4.5	Storage Digesters Cleanout	16 days	Fri 25/03/22	Fri 15/04/22	100%	
33	1.4.6	Nitrogen Purging of Digesters 1	7 days	Mon 18/04/22	Tue 26/04/22	100%	
34	1.4.7	Nitrogen Purging of Digesters 2	3 days	Tue 17/05/22	Thu 19/05/22	0%	
35	1.4.8	Storage digesters Blower motors changed	14 days	Mon 18/04/22	Thu 5/05/22	75%	
36	1.4.9	Digester 1 and 2 cleanout (By Handos)	32 days	Wed 27/04/22	Fri 10/06/22	30%	
37	1.4.10	Digester 1 and 2 Comperssors and Motors replaced (FH)	14 days	Fri 10/06/22	Thu 30/06/22	0%	
38	1.4.11	Pipework Modification for digester 1 and 2 compressors (FH)	10 days	Fri 10/06/22	Fri 24/06/22	0%	
39	1.4.12	Cogen and Flare Online	12 days	Wed 25/05/22	Thu 16/06/22	18%	



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