



Application for Licence Amendment

Part V Division 3 of the *Environmental Protection Act 1986*

Licence Number	L5950/1991/11
Licence Holder	Water Corporation
File Number	DER2017/001506-1
Premises	Gordon Road (Mandurah No. 1) Water Resource Recovery Facility 2 Corsican Place and 500 Gordon Road PARKLANDS WA 6180 Legal description – Being Lot 109 on Deposited Plan 73737 and Lot 500 on Plan 44788. As defined by the Premises map attached to the Revised Licence.
Date of Report	26 June 2023
Decision	Revised licence granted

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INDUSTRY REGULATION

an officer delegated under section 20 of the *Environmental Protection Act 1986* (WA)

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1. Decision summary

Licence L5950/1991/11 is held by the Water Corporation (Licence Holder) for the Gordon Road (Mandurah No. 1) Water Resource Recovery Facility (the Premises), located at 2 Corsican Place and 500 Gordon Road, PARKLANDS WA.

The Delegated Officer has determined to make amendments to Licence L5950/1991/11. The amendments outlined within this amendment report do not alter the risk profile of the Premises. As a result of this assessment, Revised Licence L5950/1991/11 has been granted.

This Amendment Report documents the amendments made pursuant to section 59 and 59(B) of the *Environmental Protection Act 1986* (EP Act).

The Revised Licence issued as a result of this amendment consolidates and supersedes the existing Licence previously granted in relation to the Premises. The Revised Licence has been granted in a new format with existing conditions being transferred, but not reassessed, to the new format.

The decision report for the Existing Licence will remain on the department's website for future reference and will act as a record of the department's decision making.

2. Scope of assessment

2.1 Regulatory framework

In amending the licence, the department has considered and given due regard to its Regulatory Framework and relevant policy documents which are available at <https://dwer.wa.gov.au/regulatory-documents>.

2.2 Background

The Gordon Road (Mandurah No. 1) Water Resource Recovery Facility (formerly named Mandurah No. 1 (Gordon Road) Wastewater Treatment Plant) is located in Parklands, approximately 75 km south of Perth and close to the industrial area in Greenfields, east of Mandurah.

Directly south of the plant on the other side of Gordon Rd is a Greyhound racetrack. Directly west of the plant is the main train line to Perth and on the west side of the train tracks is the Meadow Springs Public High School. Directly north of the Water Resource Recovery Facility is the Mandurah waste transfer station. Directly east of the plant is remnant bushland and large residential bush blocks. The closest residential home is 200 m southeast of the Premises.

The groundwater at the site is generally within 3 m of the ground surface. During the 2014/15 reporting period, groundwater levels measured in bores was between 0.4 m and 2 m below ground level. Beneath the site is superficial swan aquifer, which is underlain by the Leederville aquifer, which is in turn underlain by the Catamarra Coal Measures.

There are 19 threatened species and 8 migratory species which occur within 1 km of the site. There are no threatened ecological communities known within 5 km of the Premises. The Premises is within 10 km of the Peel-Yalgorup system, a (RAMSAR) wetland of international importance (EPBC Act protected matters search, 2015). There are no known Indigenous or European heritage sites within the Premises.

Process

The Gordon Road (Mandurah No. 1) Water Resource Recovery Facility treats wastewater to a secondary standard and consists of grit and screening removal facilities, three oxidation ditches, four clarifiers and an odour control facility. Treated wastewater is disposed of through a series of infiltration lagoons. Biosolid material is mechanically dewatered through onsite

centrifuges and sent off-site for disposal or composting.

During the 2014/15 reporting period, the Gordon Road (Mandurah No. 1) Water Resource Recovery Facility was operating at approximately 82 % capacity, with the average daily inflow at 9.8 ML/day. Treated effluent is discharged to the three infiltration ponds on the Premises. The Water Corporation entered into a 10 year agreement with the City of Mandurah in 2008 to provide annual reuse water for public open space irrigation. The City of Mandurah obtains water via abstraction from bores off the premises. During the 2014/15 reporting period, the City of Mandurah was supplied with 95.72 ML of reuse water in this manner.

During the 2014/15 reporting period, a total of 8,633.4 tonnes of dewatered sludge was removed from the Gordon Road (Mandurah No. 1) Water Resource Recovery Facility centrifuges and transported to Amazon, Brookton and Williamson for composting. The Premises has four sludge-drying beds which were historically used for the temporary storage of sludge prior to disposal; however these are no longer in operation with dewatered sludge being transported directly off-site.

Licence L5950/1991/11 is the successor to licence L5950/1991/10 and continues to authorise the operations at the Premises.

2.3 Application summary

On 13 March 2023, the Licence Holder submitted an application to the department to amend Licence L5950/1991/11 under section 59 and 59B of the *Environmental Protection Act 1986* (EP Act). The amendment is limited only to altering the due date for the environmental report and annual audit compliance report, to be 1 October annually.

No changes to the aspects of the Existing Licence relating to Category 54 have been requested by the Licence Holder. Table 1 below outlines the current approved production/design capacity for the Premises.

Table 1: Approved production/design capacity

Category	Approved design capacity
Category 54 Sewage facility: premises — (a) on which sewage is treated (excluding septic tanks); or (b) from which treated sewage is discharged onto land or into waters.	12,000 m ³ per day

2.4 Consolidation of Licence

As part of this amendment package the department has consolidated the licence by incorporating changes made under the Amendment Notices as summarised in Table 2.

Table 2: Licences consolidated in this amendment

Instrument	Issued	Summary of approval
L5950/1991/11	22/10/2015	Licence re-issue
L5950/1991/11	29/04/2016	Notice of Amendment of Licence Expiry Dates. Expiry date extended to 31/10/2032.

The obligations of the Licence Holder have not changed in consolidating the licence. The department has not undertaken any additional risk assessment of the Premises related to previous Amendment Notices.

In consolidating the licence, the CEO has:

- updated the format and appearance of the Licence;
- deleted the redundant AACR form set out in Schedule 1 of the previous licence and advised the Licence Holder to obtain the form from the department’s website;
- revised licence condition’s numbers, and removed any redundant conditions and realigned condition numbers for numerical consistency; and
- corrected clerical mistakes and unintentional errors.

The full consolidation of licence conditions as they relate to this Revised Licence are detailed in Section 4.1. Previously issued Amendment Notices will remain on the department’s website for future reference and will act as a record of the department’s decision making.

3. Consultation

The Licence Holder was provided with the draft Amendment Report on 15 May 2023. Comments received from the Licence Holder on 1 June 2023 requested to change the premises name to Gordon Road (Mandurah No. 1) Water Resource Recovery Facility. This amendment has been incorporated into the final instrument.

4. Conclusion

Based on the assessment in this Amendment Report, the Delegated Officer has determined that a Revised Licence will be granted, subject to conditions commensurate with the determined controls and necessary for administration and reporting requirements.

4.1 Summary of amendments

Table 3 below provides a summary of the proposed amendments and will act as a record of implemented changes. All proposed changes have been incorporated into the Revised Licence as part of the amendment process.

Table 3: Summary of licence amendments

Condition no.	Proposed amendments
N/A	‘Licensee’ reworded to ‘licence holder’.
N/A	‘Shall’ reworded to ‘must’.
Cover page	Premises name updated to ‘Gordon Road (Mandurah No. 1) Water Resource Recovery Facility’ as requested by the licence holder on 1/6/23. Registered business address updated. Updated to revised licensing format. Restructured to clearly indicate what prescribed activities have been risk assessed. ACN number added.
Duration	Amended to 31/10/2032.
Contents	Deleted. Revised to current licensing format.

Condition no.	Proposed amendments
Introduction	Deleted. Revised to current licensing format. Premises description and Licence Summary deleted, and content moved to '2.2 Background' section of this Amendment Report.
N/A	Licence history table updated to include 29/4/2016 expiry date amendment and this amendment. Instrument log row removed, and headings revised to current licensing format.
Explanatory notes	Deleted. This guidance is available in the department's <i>Guideline: Industry Regulation Guide to Licensing</i> (June 2019).
Interpretation	Updated based on departmental legal advice.
Definitions	Definitions updated: 'CEO', 'Licence' and 'premises'.
	Definitions removed: 'Act' and 'Licensee'.
	Definitions added: 'ACN', 'Annual Audit Compliance Report', 'annual period', 'approved form', 'condition', 'Department', 'discharge', 'emission', 'EP Act', 'licence holder', 'prescribed premises' and 'waste'.
N/A	'The licence holder must ensure that the following conditions are complied with:' added, consistent with current licensing format.
N/A	'General conditions' heading deleted. Revised to current licensing format.
N/A	'Information' heading deleted.
N/A	'Records' heading updated to 'Records and reporting'.
Condition 1	Condition 1 (c) redundant, so amended to delete the phrase 'discernible'.
Condition 4 Table 1	'Source including abatement' column deleted from Table 1. This is considered a repetition of the description.
Condition 8	Redundant condition. Amended to clarify the type of monitoring equipment used and to specify the operation, maintenance and calibration requirements of the monitoring equipment.
Condition 4.1.2	Deleted. Redundant condition.
Condition 13	Replaces condition 4.1.3. Condition reworded and updated to change the AACR reporting submission date to 1 October.
N/A	'Reporting' heading deleted.
Condition 15 Table 6	Replaces condition 4.2.1. Condition reworded and updated to change the environmental report submission date to 1 October. Table 6 updated to current licensing format and wording.
N/A	'Notification' heading deleted.
Condition 17 Table 7	'Proposed date, duration and details of works' moved from 'Format or form' column to 'Notification requirement' column in Table 7 and 'None specified' added to the 'Form or format' column in Table 7.
Schedule 1: Premises	New naming conventions. No change to maps.

Condition no.	Proposed amendments
map & Map of monitoring bores	
Schedule 2: Reporting & notification forms	AACR forms removed as considered redundant. N1 form retained and updated.

Table 4: Consolidation of licence conditions in this amendment

Existing condition	Condition summary	Revised licence condition	Conversion notes
N/A	Expiry Date: 31 October 2015	Expiry Date: 31 October 2032	In accordance with the Notice of Amendment of Licence Expiry Dates (29/04/2016).
N/A	ACN	ACN	Updated to add ACN.
N/A	Registered business address	Registered business address	Updated to correct registered business address.
N/A	Prescribed premises category table	N/A	Revised to current licensing format.
N/A	Premises details	Premises details	Premises name updated to 'Gordon Road (Mandurah No. 1) Water Resource Recovery Facility' as requested by the licence holder on 1 June 2023. 'As depicted in Schedule 1' deleted. Postcode '6906' updated to '6007'. 'Legal description' and 'As defined by the premises map in Schedule 1' added consistent with current licensing format.
N/A	Contents	Deleted	Redundant.
N/A	Introduction	Deleted	Redundant. Premises description and Licence Summary deleted, and content moved to '2.2 Background' section of this Amendment Report.
N/A	Licence history	Licence history table	Licence history table updated to include 29/4/2016 expiry date amendment and this amendment. Instrument log row removed, and headings revised to current licensing format. 'and works approvals' removed from 'The licences and works approvals issued for the premises since 28/10/2010 are:'.
1.1.1 1.1.2	Interpretation and definitions	N/A Interpretation section, Definitions and Table 8	Redundant condition. Revised to current licensing format.

Existing condition	Condition summary	Revised licence condition	Conversion notes
1.1.3	Australian or other standard	N/A Interpretation section, Definitions and Table 8	Redundant condition. Revised to current licensing format.
1.1.4	Reference to code of practice	N/A Moved to Interpretation section	Redundant condition. Revised to current licensing format.
1.1.5	Emissions	N/A	Deleted. This condition is considered to unnecessarily duplicate the legislation.
1.2	General conditions heading	N/A	Redundant heading. Revised to current licensing format.
1.2.1	Monitoring equipment	N/A	Redundant condition. Revised to current licensing format.
1.3.1	Premises operation	Condition 1	New numbering. Revised to current licensing format. Condition 1 (c) redundant, so amended to delete the phrase 'discernible'.
1.3.2	Biosolids disposal	Condition 2	New numbering. Revised to current licensing format.
1.3.3	Sewage sludge storage	Condition 3	New numbering. Revised to current licensing format.
2.1.1	Record and investigate exceedances of limits or targets	N/A	Redundant condition. Deleted from licence.
2.2.1 Table 2.2.1	Emissions to land	Condition 4 Table 1	New numbering. Revised to current licensing format. 'Source including abatement' column deleted from Table 1. This is considered a repetition of the description.
2.2.2 Table 2.2.2	Emission limits to land	Condition 5 Table 2	New numbering. Revised to current licensing format.
3.1.1	Sampling requirements	Condition 6	New numbering. Revised to current licensing format.
3.1.2	Monitoring frequency	Condition 7	New numbering. Revised to current licensing format.
3.1.3	Monitoring equipment	Condition 8	New numbering. Revised to current licensing format. Redundant condition. Amended to clarify the type of

Existing condition	Condition summary	Revised licence condition	Conversion notes
			monitoring equipment used and to specify the operation, maintenance and calibration requirements of the monitoring equipment.
3.2.1 Table 3.4.1	Monitoring of emissions to land	Condition 9 Table 3	New numbering. Revised to current licensing format.
3.3.1 Table 3.3.1	Monitoring of inputs and outputs	Condition 10 Table 4	New numbering. Revised to current licensing format.
3.4.1 Table 3.4.1	Ambient environmental quality monitoring	Condition 11 Table 5	New numbering. Revised to current licensing format.
4	Information heading	N/A	Deleted. Revised to current licensing format.
4.1	'Records' heading	'Records and reporting' heading	Records and reporting heading added consistent with current licensing format.
4.1.1	Information and records	Condition 12	New numbering. Revised to current licensing format.
4.1.2	Awareness of licence conditions	N/A	Deleted. Redundant condition.
4.1.3	Annual Audit Compliance Report	Condition 13	Condition reworded and updated to change the AACR reporting submission date to 1 October. New numbering. Revised to current licensing format.
4.1.4	Complaints management system	Condition 14	New numbering. Revised to current licensing format.
4.2	'Reporting' heading	N/A	Reporting heading deleted consistent with current licensing format.
4.2.1	Annual Environmental Report	Condition 15 Table 6	Condition reworded and updated to change the AER reporting submission date to 1 October. New numbering. Revised to current licensing format. In Table 6, 'Format or form' column deleted and 'or table' deleted from column 1 heading. Column 2 heading updated from 'Parameter' to 'Requirement!'. Note 1 underneath Table 6 updated to 'Forms are available on the Department's website'.
4.2.2	Annual Environmental Report assessment	Condition 16	New numbering. Revised to current licensing format.

Existing condition	Condition summary	Revised licence condition	Conversion notes
4.3	'Notification' heading	N/A	Deleted. Revised to current licensing format.
4.3.1	Notification requirements	Condition 17 Table 7	'Proposed date, duration and details of works' moved from 'Format or form' column to 'Notification requirement' column in Table 7 and 'None specified' added to the 'Form or format' column in Table 7.
Schedule 1: Maps	Premises map & Map of monitoring bores	Schedule 1: Maps	New naming convention, no change to maps.
Schedule 2 Reporting & notifications	Annual Audit Compliance Report Form N1 Notification	N/A	Redundant attachment. Deleted from Licence. Forms are available on the Department's website.

References

1. Department of Environment Regulation (DER) 2015, Guidance Statement: Setting Conditions, Perth, Western Australia.
2. Department of Water and Environmental Regulation (DWER) 2020, Guideline: Environmental Siting, Perth, Western Australia.
3. DWER 2020, Guideline: Risk Assessments, Perth, Western Australia.