



Application for Licence Amendment

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

| | |
|-----------------------|---|
| Licence Number | L5997/1992/11 |
| ACN | 634 169 841 |
| Licence Holder | Water Corporation |
| File Number | DEC14180/1 |
| Premises | Halls Head (Mandurah No. 2) Water Resource Recovery Facility Peelwood Parade HALLS HEAD WA 6210 Legal description – Lot 10 on Diagram 79777 As defined by the Premises map attached to the Revised Licence |
| Date of Report | 18 July 2023 |
| Decision | Revised licence granted |

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**A/Senior Environmental Officer – Industry Regulation
Regulatory Services**

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

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1. Decision summary

Licence L5997/1992/11 is held by the Water Corporation (Licence Holder) for the Halls Head (Mandurah No. 2) Water Resource Recovery Facility (the Premises), located at Lot 10 on Diagram 79777, Peelwood Parade, Halls Head WA.

The Delegated Officer has determined to make amendments to Licence L5997/1992/11. The amendments outlined within this amendment report do not alter the risk profile of the Premises. As a result of this assessment, Revised Licence L5997/1992/11 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 Halls Head (Mandurah No. 2) Water Resource Recovery Facility (WRRF) is located at Lot 10, Peelwood Parade, Halls Head. The WRRF is located on the Swan Coastal Plain; it is generally low-lying and flat bordered by the Indian Ocean to the west. The site is located within the Spearwood Dune System, and the soils on-site consist of flat stony plain with poorly drained shallow siliceous sands and large areas of bare limestone pavement.

The WRRF is located within the residential area of Halls Head. The plant is surrounded on three sides by houses the closest being 200 m from the actual WRRF.

The WRRF is designed to treat wastewater to a tertiary standard and consists of two oxidation ditches and four clarifiers. All waste activated sludge is thickened on site and trucked to the Gordon Road WRRF for dewatering. All treated wastewater is discharged into on-site infiltration basins. A portion of infiltrated wastewater is recovered via bores surrounding the WRRF and used to irrigate public open space in the Seascapes urban development.

The groundwater at the site is generally within 2.0-4.0 m of the natural ground surface. The WRRF is within 5 km of the Ramsar site wetland the Peel-Yalgorup System.

The potential emissions from the site are fugitive emissions in the form of odour and discharges to land from the on-site infiltration and irrigation of treated wastewater.

2.3 Application summary

On 13 March 2023, the Licence Holder submitted an application to the department to amend Licence L5997/1992/11 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. | 5800 m ³ /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: Licenses consolidated in this amendment

| Instrument | Issued | Summary of approval |
|---------------|------------|---|
| L5997/1992/11 | 29/4/2016 | Amendment Notice to extend expiry date to 31 October 2032. |
| L5997/1992/11 | 08/03/2017 | Amendment Notice 1. Administrative amendment to replace bore B1/84 with B1/16. Renaming of bores (removal of 'B' before bore ID numbers) in Table 3.4.1 and premises map update to include these changes. |

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 advise the Licensee 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 30 June 2023 have been considered by the Delegated Officer as detailed in Appendix 1.

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 | Updated to revised licensing format. Registered business address updated. Restructured to clearly indicate what prescribed activities have been risk assessed. ACN number added. Premises name updated as requested by the Licence Holder on 1 June 2023. Premises details updated to current licensing format and wording. |
| Duration | Amended to 31/10/2032. |
| Contents | Deleted. Revised to current licensing format. |
| Introduction | Deleted. Revised to current licensing format. |
| N/A | Licence history table updated to include 29/4/2016 expiry date amendment, 8/03/2017 administrative 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. |
| N/A | 'Infrastructure and equipment' heading added. |
| Condition 12 | 'Monitoring point reference and location' column of Table 7 updated in accordance with Amendment Notice 1 (08/03/2017). |

| Condition no. | Proposed amendments |
|--|---|
| N/A | 'Information' heading deleted. |
| N/A | 'Records and reporting' heading added. |
| N/A | 'Records' heading deleted. |
| Condition 15 - Records and reporting | 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 17 - Reporting | Replaces condition 4.2.1. Condition reworded and updated to change the AER reporting submission date to 1 October. 'Format or form' column in Table 8 deleted. Note 1 updated to 'Forms are on the Department's website'. |
| Definitions | Definitions updated: 'CEO', 'Licence' and 'annual period'. |
| | Definitions removed: 'Act' and 'Licensee' – conditions which contained these references have been removed as part of this amendment |
| | Definitions added: 'ACN', 'Annual Audit Compliance Report (AACR)', 'approved form', 'condition', 'Department', 'discharge', 'emission', 'EP Act', 'licence holder', 'premises', 'prescribed premises' and 'waste'. |
| Premises map | Updated in accordance with Amendment Notice 1 (08/03/2017) to a more recent aerial photo with updated bore labels. Figure label added. |
| Schedule 2: Reporting & notification forms | AACR form removed as considered redundant. |
| | N1 form retained and format 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 2018 | Expiry Date: 31 October 2032 | In accordance with Amendment Notice 1 (08/03/2017). |
| N/A | ACN | ACN | Updated to add ACN. |
| N/A | Registered business address | Registered business address | Updated to correct registered business address. |
| N/A | Premises details | Premises details | Premises name updated to 'Halls Head (Mandurah No. 2) Water Resource Recovery Facility' as requested by the Licence Holder on 1 June 2023. |
| N/A | Prescribed premises category table | N/A | Revised to current licensing format – 'Approved Premises production or design capacity' column heading updated to 'Assessed production / design capacity' as per the revised licensing format. 'Category production or design capacity' column removed. |
| N/A | Contents | N/A | Redundant. Revised to current licensing format. |
| N/A | Introduction | N/A | Redundant. Revised to current licensing format. |
| N/A | Licence history | Licence history | Headings revised to current licensing format. Updated to include 29/4/2016 expiry date amendment, 8/03/2017 administrative amendment and this amendment. |
| 1.1.1 1.1.2 | Interpretation and definitions | N/A Interpretation section, Definitions and Table 11 | Redundant conditions. Revised to current licensing format. |
| 1.1.3 | Australian or other standard | N/A Interpretation section, Definitions and Table 11 | Redundant condition. Revised to current licensing format. |
| 1.1.4 | Reference to code of practice | N/A Interpretation section, Definitions and Table 11 | Redundant condition. Revised to current licensing format. |

| Existing condition | Condition summary | Revised licence condition | Conversion notes |
|----------------------|---|---------------------------|---|
| 1.2.1 Table 1.2.1 | Waste acceptance | Condition 1 Table 1 | New numbering. Revised to current licensing format. |
| 1.2.2 Table 1.2.2 | Waste processing | Condition 2 Table 2 | New numbering. Revised to current licensing format. |
| 1.2.3 Table 1.2.3 | Containment infrastructure | Condition 3 Table 3 | New numbering. Revised to current licensing format. |
| 1.2.4 | Recovery, removal and prevention of spills | Condition 4 | New numbering. Revised to current licensing format. |
| 2.1.1 Table 2.2.1 | Emissions to land | Condition 5 Table 4 | 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 requirements | Condition 7 | New numbering. Revised to current licensing format. |
| 3.1.3 | Monitoring equipment requirements | Condition 8 | New numbering. Revised to current licensing format. |
| 3.1.4 | Modification to monitoring equipment requirements | Condition 9 | New numbering. Revised to current licensing format. |
| 3.2.1 Table 3.2.1 | Monitoring of emissions to land | Condition 10 Table 5 | New numbering. Revised to current licensing format. |
| 3.3.1 Table 3.3.1 | Monitoring of inputs and outputs | Condition 11 Table 6 | New numbering. Revised to current licensing format. |
| 3.4.1 Table 3.4.1 | Ambient groundwater quality monitoring | Condition 12 Table 7 | New numbering. Revised to current licensing format. 'Monitoring point reference and location' column of Table 7 updated in accordance with Amendment Notice 1 (08/03/2017). B1/83 changed to 1/83, B2/84 changed to 2/84, B6/88 changed to 6/88 and B7/88 changed to 7/88. B1/84 deleted, 1/16 added and 'As depicted in the premises map in Schedule 1' added. |
| 4 | Information heading | N/A | Redundant heading. Revised to current licensing format. |

| Existing condition | Condition summary | Revised licence condition | Conversion notes |
|----------------------|---|-------------------------------|--|
| 4.1 | Records heading | N/A | Redundant heading. Revised to current licensing format. |
| N/A | N/A | Records and reporting heading | Records and reporting heading added. Revised to current licensing format. |
| 4.1.1 | Records | Condition 13 | New numbering. Revised to current licensing format. |
| 4.1.2 | Awareness of licence conditions | Condition 14 | New numbering. Revised to current licensing format. |
| 4.1.3 | Annual Audit Compliance Report requirements | Condition 15 | 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 16 | New numbering. Revised to current licensing format. |
| 4.2 | Reporting heading | N/A | Redundant. Revised to current licensing format. |
| 4.2.1 Table 4.2.1 | Environmental Report | Condition 17 Table 8 | <p>Condition reworded and updated to change the AER reporting submission date to 1 October. New numbering. Revised to current licensing format.</p> <p>Table heading changed to 'Environmental reporting requirements', 'Parameter' heading changed to 'Requirement' and 'or table (if relevant)' deleted from column 1 heading.</p> <p>The 'Format or form' column in Table 8 has been deleted and Note 1 underneath Table 8 has changed from 'Forms are in Schedule 2' to 'Forms are on the Department's website'.</p> |
| 4.2.2 Table 4.2.3 | Non-annual reporting requirements | Condition 18 Table 9 | New numbering. Revised to current licensing format. |
| 4.3 | Notification heading | N/A | Redundant. Revised to current licensing format. |
| 4.3.1 Table 4.3.1 | Notification requirements | Condition 19 Table 10 | <p>New numbering. Revised to current licensing format.</p> <p>'or table (if relevant)' removed from column 1 heading.</p> |

| Existing condition | Condition summary | Revised licence condition | Conversion notes |
|---|--|---------------------------|---|
| Schedule 1: Maps | Premises map | Schedule 1: Maps | New naming convention. Map updated in accordance with Amendment Notice 1 (08/03/2017). 'Figure 1: Map of the prescribed premises boundary and monitoring bores' label added consistent with current revised licensing format. |
| Schedule 2 Reporting & notification forms | Annual Audit Compliance Report Form N1 Notification | Schedule 2: N1 Form | AACR forms redundant. Deleted from licence. Forms accessed at www.dwer.wa.gov.au |

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.

Appendix 1: Summary of Licence Holder's comments on draft amendment

| Condition | Summary of Licence Holder's comment | Department's response |
|-------------|---|--|
| Condition 3 | <p>Table 3 – Inlet works (Grit and Screenings)</p> <p>Include wording for inlet works requirements 'within a bunded hardstand area or a hardstand area which is graded to a collection drain which returns sludge leachate to the start of the treatment process'.</p> <p>Current inlet works at Halls Head (Mandurah No. 2) WRRF are on a graded hardstand area that collects liquid waste to a drain, consistent with Caddadup WRRF.</p> <p>Additionally, including an option for graded hardstand and collection drain is consistent with the Caddadup WRRF, Alkimos WRRF and Kwinana WRRF licenses.</p> | <p>Previous licence revisions contain conditions of the same effect as the current licence condition and do not mention graded hardstands or collection drains.</p> <p>In addition, the Licence Holder has not submitted an engineer's report to demonstrate that the graded hardstand is acting as a bund (as requested); therefore, the inclusion of allowance to use the graded hardstand as a bund requires reassessment and cannot be included under the scope of this administrative amendment.</p> <p>The Delegated Officer advises the Licence Holder to submit a new amendment application to seek this change.</p> |