



Application for Licence Amendment

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

Licence Number	L8239/2008/2
Licence Holder	Water Corporation
File Number	DEC7565/1
Premises	York Wastewater Treatment Plant Great Southern Highway YORK WA 6302 Legal description - Lot 460 on Plan 91128 As defined by the Premises maps attached to the Revised Licence
Date of Report	18 November 2024
Decision	Revised licence granted

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

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1. Decision summary

Licence L8239/2008/2 is held by Water Corporation (Licence Holder) for the York Wastewater Treatment Plant (the Premises), located at Lot 460 on Plan 91128, Great Southern Highway, York.

This Amendment Report documents the assessment of potential risks to the environment and public health from proposed changes to the emissions and discharges during the operation of the Premises. As a result of this assessment, Revised Licence L8239/2008/2 has been granted.

2. Scope of assessment

2.1 Regulatory framework

In completing the assessment documented in this Amendment Report, 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 Application summary

On 22 July 2024, the Licence Holder submitted an application to the department to amend Licence L8239/2008/2 under section 59 and 59B of the *Environmental Protection Act 1986* (EP Act). The following amendments are being sought:

- increase the throughput of Category 54 sewage to 200 KL/day,
- remove conditions related to the alum or hypochlorite storage requirement from the licence; and
- correct typographical errors.

This amendment is limited only to changes to Category 54 activities from the Existing Licence. Table 1 below outlines the proposed changes to the existing Licence.

Table 1: Proposed design capacity changes

Category	Current design capacity	Proposed design capacity	Description of proposed amendment
54	130 cubic metres per day	200 cubic metres per day	Amendment to increase the throughput of Category 54 sewage from 130 KL/day to 200 KL/day

3. Background

DWER issued a Licence Amendment Notice 1 on 25 June 2018 to upgrade the wastewater treatment facility to increase the capacity from 130 KL/day to 200 KL/day and relocate the woodlot irrigation scheme.

The licence holder had proposed to undertake the following works under the Licence Amendment Notice 1:

1. Splitting the primary pond into two cells and installing a macerator and aerators;
2. Installing a sludge drying bed with a new hardstand;
3. Relocation of the existing 7 ha of irrigation area to a more suitable area within the 140 ha woodlot (Stage 1);

4. Construction of an additional 7 ha irrigation area (Stage 2);
5. Design of an additional 9 ha for Stage 3 of woodlot irrigation (future expansion);
6. Installation of a chlorine disinfection system with a supervisory control and data acquisition system (SCADA);
7. Installation of a control system to manage supply to woodlot irrigation; and
8. Construction of a pump station with flow metre for reuse in the woodlot.

On 3 November 2023, Water Corporation submitted the Environmental Compliance Report (ECR) required in accordance with conditions 5.1.3 and 5.1.4 of the Licence Amendment Notice 1. DWER has reviewed the ECR and determined that the provided information meets the requirements of the conditions in Licence (L8239/2008/2) - Amendment Notice 1 and determined the WWTP has the capacity to accept 200 KL/day of sewage.

4. Risk assessment

The department assesses the risks of emissions from prescribed premises and identifies the potential source, pathway and impact to receptors in accordance with the *Guideline: Risk assessments* (DWER 2020). To establish a Risk Event there must be an emission, a receptor which may be exposed to that emission through an identified actual or likely pathway, and a potential adverse effect to the receptor from exposure to that emission.

The requested changes of increasing the throughput of Category 54 from 130 kL/day to 200 kL/day and the storage of chlorine gas onsite were already risk assessed by the risk assessment undertaken for Licence Amendment Notice 1 granted on 25 June 2018, which can be found on the department's website.

5. Consultation

Table 2 provides a summary of the consultation undertaken by the department.

Table 2: Consultation

Consultation method	Comments received	Department response
Local Government Authority advised of proposal (27 August 2024)	None received	N/A
Licence Holder was provided with draft amendment on 03 October 2024	Refer to appendix 1	Refer to appendix 1

6. 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.

6.1 Summary of amendments

Table 3 provides a summary of the proposed amendments and will act as 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
Approved categories table	Updated the category 54 assessed production/design capacity.
Licence history	Updated the licence history table.
Condition 2	Amended typographical error.
Condition 3	Amended typographical error.
Condition 9 Table 3	Deleted the first row of Table 3 and revised the licence to current format.
Condition 13	Updated to ensure storage and handling requirement of chlorine gas and removed the requirement related to alum and hypochlorite.
Definition: Table 5	Removed the Australian guidelines related to the storage and handling of corrosive substances. Added the Australian guidelines related to the storage and handling of liquefied chlorine gas.
Schedule 1: Figure 5	Amended typographical error.

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 risk assessment and draft conditions

Condition	Summary of Licence Holder's comment	Department's response
Condition 3, Table 2	The licence holder requested that the terms "total inorganic nitrogen loadings" and "total reactive phosphorous loadings" be changed to "total nitrogen loadings" and "total phosphorous loadings," respectively.	The condition has been amended as request.
Condition 9	The licence holder requested to add electrical conductivity to the table notes because it is not measured in milligrams per litre (mg/L).	The condition has been amended as request.
Condition 13	The licence holder requested to correct the typographical error in condition 13.	The condition has been amended as request.