# Decision Report

## Application for Licence

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

| | |
|---|---|
| **Licence Number** | L7717/1993/10 |
| **Applicant** | Water Corporation |
| **ACN** | 634 169 841 |
| **File number** | DER2014/001684-1 |
| **Premises** | Pemberton Water Resource Recovery Facility<br>Vasse Highway<br>PEMBERTON WA 6260<br><br>Legal description<br>Lot 13459 on Plan 192273<br>As defined by the premises maps attached to the issued licence |
| **Date of report** | 31 October 2023 |
| **Decision** | Licence granted |

Steve Checker

Digitally signed by Steve Checker
Date: 2023.10.31 12:21:29 +08'00'

**STEPHEN CHECKER**
**MANAGER WASTE INDUSTRIES**
an officer delegated under section 20 of the *Environmental Protection Act 1986* (WA)

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# 1. Decision summary

This decision report documents the assessment of potential risks to the environment and public health from emissions and discharges during the operation of the premises. The licence can be issued for 20 years, which is consistent with the *Guidance Statement* on *Licence Duration 2016*. As a result of this assessment, the Delegated Officer decided to grant Licence L7717/1993/10, subject to conditions set out in the attached licence.

# 2. Scope of assessment

## 2.1 Regulatory framework

In completing the assessment documented in this decision report, the Department of Water and Environmental Regulation (the department; DWER) 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 and overview of premises

On 30 June 2023, the applicant submitted an application to the department to renew Licence L7717/1993/9 under section 59B of the *Environmental Protection Act 1986* (EP Act).

The Pemberton Water Resource Recovery Facility (WRRF) is located within the Shire of Manjimup about 1,200 metres southwest of the Pemberton town centre. The Pemberton WRRF treats sewage from the Pemberton townsite to a tertiary standard. It has a design capacity to treat up to 300kL per day of sewage, with an average daily inflow of 165kL reported in the 2021/22 period.

The current Licence specifies that the capacity is 200m$^3$ per day. Water Corporation is seeking to have the capacity amended to 300m$^3$ per day to accurately reflect design capacity as per W5467/2013/1 and the supporting information submitted to DWER in 2016 following completion of the upgrade works. The Licence commenced on 1 November 2014 and expires on 31 October 2023.

The application did not contain detailed supporting information, however DWER has relied on monitoring data and other available information in reassessing the acceptability of emissions and discharges from the premises and the adequacy of regulatory controls on the licence.In renewing the licence, the department has considered and given due regard to its Regulatory Framework and relevant policy documents which are available at https://www.der.wa.gov.au.

The premises relates to the category 54 and assessed design capacity under Schedule 1 of the *Environmental Protection Regulations 1987* (EP Regulations) which are defined in licence L7717/1993/10. The infrastructure and equipment relating to the premises category and any associated activities which the department has considered in line with *Guideline: Risk Assessments* (DWER 2020) are outlined below.

### 2.2.1 Operational aspects

The WRRF treats wastewater to a secondary standard and includes the following treatment processes:

- Preliminary treatment
- Secondary treatment
- Treated wastewater disposal
- Sludge treatment and dewatering

Site infrastructure includes:

- Preliminary treatment
  - Inlet works
  - Bioselector
- Secondary treatment
  - Chemical Dosing System
  - Oxidation Ditch
  - Clarifiers
  - RAS System
  - WAS System
- Treated Wastewater disposal
  - Oxidation Filter System
  - Denitrification Filtration System
  - Service Water Tank
  - Treated Water Tank
  - Emergency Storage Pond 1
  - Emergency Storage Pond 2
- Sludge Treatment
  - WAS Thickening Tank
- Sludge Dewatering
  - Polymer System
  - Screw Press
  - Sludge Hopper

A process flow diagram showing the different treatment processes is provided below (figure1 and figure 2).

**Figure 1: Pemberton WRRF**

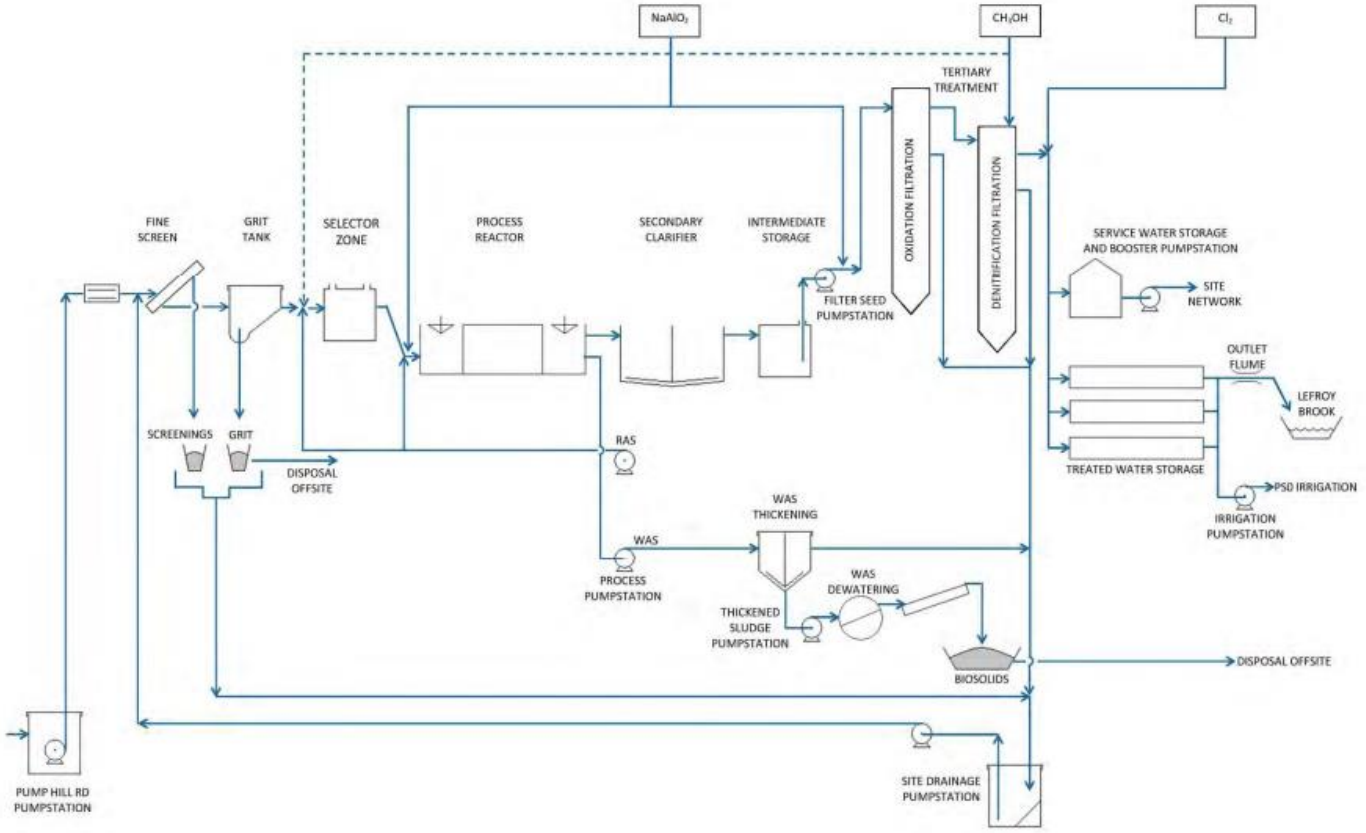


**Figure 2: Pemberton Water Resource Recovery Facility process flow diagram**

# 3. 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.

## 3.1 Source-pathways and receptors

### 3.1.1 Emissions and controls

The key emissions and associated actual or likely pathway during premises operation which have been considered in this decision report are detailed in Table 1 below. Table 1 also details the control measures the applicant has proposed to assist in controlling these emissions, where necessary.

**Table 1: Proposed applicant controls**

| Emission | Sources | Potential pathways | Proposed controls |
|---|---|---|---|
| **Operation** | | | |
| *Dust* | *Vehicle movement* | *Air / windborne pathway* | *There will be no abnormal dust emissions resulting from the operation of the treatment plant.*<br>*Operations at site may generate minor dust emissions from vehicle movements on unsealed surfaces.*<br>*The closest receptor is approximately 400 m southwest from the prescribed premises boundary.*<br>*The site is surrounded by vegetation, reducing the possibility of dust movement to the closest receptors.*<br>*No incidents or complaints related to dust have been registered over the past 12 years.* |
| *Noise* | *Operation of the WRRF and vehicle movement* | *Air / windborne pathway* | *The operation of the WRRF does not present any significant risks related to noise, and it is compliant with the Environmental Protection (Noise) Regulations 1997.*<br>*The closest receptor is approximately 400 m southwest from the prescribed premises boundary.*<br>*The site is surrounded by vegetation, reducing the possibility of dust movement to the closest receptors.*<br>*No incidents or complaints related to noise have been registered over the past 12 years.* |
| *Spills/Rupture* | *Oxidation ditch,* | *Seepage to* | *Immediate shut down system to prevent* |

| Emission | Sources | Potential pathways | Proposed controls |
|---|---|---|---|
| *overtopping of containment vessels resulting in sewage discharge to land* | *clarifiers, sewage pipes and treated water tanks* | *soil and groundwater* | *overflow.*<br>*WRRF will be earthen bunded.*<br>*Regular inspections will be undertaken.*<br>*Controls to notify loss of pressure in the pipeline.*<br>*Any overflow will be confined within the bunded area and will be cleaned up immediately.*<br>*Sewage emissions regulated under UDR.* |
| *Irrigation of treated wastewater*<br><br>*Discharge to Lefroy Brook* | *Treated effluent* | *Irrigation to land* | *Plant operation and critical controls such as alarm system to ensure target parameters of treated wastewater are achieved prior to irrigation.*<br>*Only tertiary treated and disinfected water is discharged to Lefroy Brook.*<br>*Regular water monitoring at outlet pipe and up/downstream at Lefroy Brook.*<br>*Lower discharge loads in summer period due to reuse of treated wastewater.*<br>*Higher stream flows in winter should disperse and dilute nutrients more rapidly reducing impacts.* |
| *Odour* | *Operation of the WRRF* | *Air / windborne pathway* | *As the WRRF uses mechanical processes (oxidation ditch technology), it is unlikely that operations are odour generating due to the closed nature of the treatment system.*<br>*The operation is also surrounded by vegetation which will act as a buffer to reduce any potential odour risk to the closest receptors located approximately 400m southwest from the site.*<br>*No incidents or complaints related to odour have been registered over the past 12 years.* |

### 3.1.2 Receptors

In accordance with the *Guideline: Risk Assessment* (DWER 2020), the Delegated Officer has excluded the applicant's employees, visitors, and contractors from its assessment. Protection of these parties often involves different exposure risks and prevention strategies, and is provided for under other state legislation.

Table 2 and **Error! Reference source not found.** below provides a summary of potential human and environmental receptors that may be impacted as a result of activities upon or emission and discharges from the prescribed premises *(Guideline: Environmental Siting* (DWER 2020)).

**Table 2: Sensitive human and environmental receptors and distance from prescribed activity**

| **Human receptors** | **Distance from prescribed activity** |
|---|---|
| *The Pemberton timber mill* | *Located adjacent to the east* |
| *Closest residential receptors* | *400 metres to the west and southwest and about 700 metres to the south and east.* |
| **Environmental receptors** | **Distance from prescribed activity** |
| *Gloucester National Park* | *located about 100 metres south from the premises boundary.* |
| *Country Areas Water Supply Act 1947 public drinking water source area Warren River Water Reserve.* | *Premises situated within this designated area* |
| *Warren River and Tributaries Rights in Water and Irrigation Act 1914 surface water area.* | *Premises situated within this designated area* |
| *Environmentally Sensitive Areas* | *Two ESAs within 2 km of the site (one to the north and the other to the south)* |
| *Threatened and/or priority fauna* | *Threatened, vulnerable, extinct and priority fauna species are present with 2 km of the site. The closest threatened fauna species are located with the Lefroy Brook which includes vulnerable, and priority 1 and 4 fauna.* |
| *Threatened and/or priority flora* | *Remnant native vegetation, mainly comprising Jarrah and Marri eucalyptus and mainly karri eucalyptus, are mapped within the site boundary.* |
| *Aboriginal and other heritage sites* | *One 'Precinct/Groups' and five 'Individual Places' listed on the Heritage Council's State Register within 2 km of the site.* |
| *Rivers, lakes, oceans, and other bodies of surface water, etc.* | *The nearest surface water feature is Lefroy Brook which is 70 m west of the site.*<br>*The brook flows in a southerly direction before joining the Warren River approximately 25 km inland (east north-east) from the mouth of the river, then flows westwards to the coast.* |

| | |
|---|---|
| *Groundwater depth* | *Approximately 13 mbgl* |

## 3.2 Risk ratings

Risk ratings have been assessed in accordance with the *Guideline: Risk Assessments* (DWER 2020) for each identified emission source and takes into account potential source-pathway and receptor linkages as identified in Section 3.1. Where linkages are in-complete they have not been considered further in the risk assessment.

Where the applicant has proposed mitigation measures/controls (as detailed in Section 3.1), these have been considered when determining the final risk rating. Where the delegated officer considers the applicant's proposed controls to be critical to maintaining an acceptable level of risk, these will be incorporated into the licence as regulatory controls.

Additional regulatory controls may be imposed where the applicant's controls are not deemed sufficient. Where this is the case the need for additional controls will be documented and justified in Table 3.

Licence L7717/1993/10 that accompanies this decision report authorises emissions associated with the operation of the premises i.e. Category 54 activities.

The conditions in the issued licence, as outlined in Table 3 have been determined in accordance with *Guidance Statement: Setting Conditions* (DER 2015).

## Table 3: Risk assessment of potential emissions and discharges from the premises during operation

| Risk events | | | | | Risk rating [1] C = consequence L = likelihood | Applicant controls sufficient? | Conditions [2] of licence | Justification for additional regulatory controls |
|---|---|---|---|---|---|---|---|---|
| **Sources / activities** | **Potential emission** | **Potential pathways and impact** | **Receptors** | **Applicant controls** | | | | |
| ***Operation*** | | | | | | | | |
| *Oxidation ditch type water resource recovery facility, Vehicle movements* | *Dust* | *Air / windborne pathway causing impacts to health and amenity* | *Residential properties 400 metres to the west and southwest, about 700 metres to the south and east.*<br>*Threatened flora (within the site boundary)* | *Refer to Section 3.1* | *C = Moderate*<br>*L = Unlikely*<br>***Medium Risk*** | *Y* | ***Condition 13-licence holder to provide a summary of type of complaints received annually.*** | *The Delegated Officer considers dust emissions are not likely or foreseeable to leave the Premises and Dust can be adequately regulated by section 49 of the EP Act.* |
| | *Noise* | *Air / windborne pathway causing impacts to health and amenity* | *Residential properties 400 metres to the west and southwest, about 700 metres to the south and east.* | *Refer to Section 3.1* | *C = Moderate*<br>*L = Unlikely*<br>***Medium Risk*** | Y | ***Condition 1 – maintenance of the site infrastructure and equipment.*** | *The Delegated Officer considers that if any noise impacts arise, management under the Environmental Protection (Noise) Regulations 1997 will be adequate. .* |
| | *Odour* | *Air / windborne pathway causing impacts to health and amenity* | *Residential properties 400 metres to the west and southwest, about 700 metres to the south and east.* | *Refer to Section 3.1* | *C = Moderate*<br>*L = Unlikely*<br>***Medium Risk*** | *Y* | ***Condition 1 – maintenance of the site infrastructure and equipment.***<br>**Condition 11 – *approved sludge drying beds*** | *The Delegated Officer considers odour can be adequately regulated by section 49 of the EP Act.* |
| | *Rupture of pipes / overtopping of containment* | *Stormwater runoff and direct discharge to land, change in soil* | *Residential properties 400 metres to the west and* | *Refer to Section 3.1* | *C = Moderate*<br>*L = Unlikely* | *Y* | ***Condition 1 – maintenance of the site infrastructure and equipment are.*** | *The Delegated Officer considers that the controls in place are likely to* |

| Risk events | | | | | Risk rating [1]<br>C = consequence<br>L = likelihood | Applicant controls sufficient? | Conditions [2] of licence | Justification for additional regulatory controls |
|---|---|---|---|---|---|---|---|---|
| **Sources / activities** | **Potential emission** | **Potential pathways and impact** | **Receptors** | **Applicant controls** | | | | |
| | *vessel resulting in sewage discharge to land* | *chemistry* | *southwest, about 700 metres to the south and east.*<br>*Groundwater – 13mbgl*<br>*Premises situated within the Warren River Water Reserve* | | ***Medium Risk*** | | ***Condition 2 (b, c)– no seepage from the treatment plant.*** | *prevent spills and leaks in most circumstance. In the event spills and leaks occur, there are contingency measures in place (spills management plan).* |
| | *Irrigation of treated effluent containing high levels of Nitrogen and Phosphorus* | *Stormwater runoff and direct discharge to land impacting the groundwater below the application area;*<br>*Inundation of the root zone;*<br>*Change in soil chemistry; and*<br>*Impacts to surrounding vegetation.* | *Residential properties 400 metres to the west and southwest, about 700 metres to the south and east.*<br>*Groundwater – 13mbgl*<br>*Premises situated within the Warren River Water Reserve* | *Refer to Section 3.1* | *C = Moderate*<br>*L = Unlikely*<br>***Medium Risk*** | *Y* | ***Condition 1 – maintenance of the site infrastructure and equipment.***<br>***Condition 6 – treated wastewater quality***<br>***Condition 7- total nitrogen level in the treated water***<br>***Condition 8 – relates to the total nutrient loading rate.***<br>***Condition 9 -under take monitoring at different sampling locations.***<br>***Condition 10 – laboratory analysis to be carried out at a NATA accredited lab.***<br>***Condition 12- relates to calculating monthly load of contaminant in the treated wastewater discharged to Lefroy Brook.*** | *Refer to Section 3* |
| | *Discharge of treated effluent to* | *Direct discharge to waterways causing* | *Lefroy Brook*<br>*Premises* | *Refer to Section 3.1* | *C = Major* | *Y* | ***Condition 1 – maintenance of the site infrastructure*** | *Refer to section 3* |

| Risk events | | | | | Risk rating [1]<br>C = consequence<br>L = likelihood | Applicant controls sufficient? | Conditions [2] of licence | Justification for additional regulatory controls |
|---|---|---|---|---|---|---|---|---|
| **Sources / activities** | **Potential emission** | **Potential pathways and impact** | **Receptors** | **Applicant controls** | | | | |
| | *Lefroy Brook* | *eutrophication and/or degradation in downstream water quality*<br>*Direct discharge causing impacts to aquatic flora and fauna* | *situated within the Warren River Water Reserve* | | *L = Unlikely*<br>***High Risk*** | | ***and equipment.***<br>***Condition 6 – treated wastewater quality***<br>***Condition 7- total nitrogen level in the treated water***<br>***Condition 8 – relates to the total nutrient loading rate.***<br>***Condition 9 -under take monitoring at different sampling locations.***<br>***Condition 10 – laboratory analysis to be carried out at a NATA accredited lab.***<br>***Condition 12- relates to calculating monthly load of contaminant in the treated wastewater discharged to Lefroy Brook.*** | |

Note 1: Consequence ratings, likelihood ratings and risk descriptions are detailed in the *Guideline: Risk Assessments* (DWER 2020).

Note 2: Proposed applicant controls are depicted by standard text. **Bold and underline text** depicts additional regulatory controls imposed by department.

## 3.3 Assessment for discharge to Lefroy Brook

### 3.3.1 Treated wastewater discharge to Lefroy Brook

Wastewater will be treated and discharged to Lefroy Brook where reuse via the irrigation in summer of the Pemberton Sports Oval does not take place. Irrigation will occur in accordance with the *Pemberton Sports Oval Nutrient Irrigation Management Plan* (NIMP). DWER has NIMP with regard to emissions to the Pemberton Sports Oval from the water resource recovery facility and is satisfied that impacts from the scheme are able to be mitigated provided nutrient loading rates are limited in accordance with the NIMP to 250 kilograms per hectare per year for Nitrogen and 50 kilograms per hectare per year for Phosphorous.

The assessment of discharge to Lefroy Brook in this report has also taken into account the findings of the June 2011 *Report for Pemberton Wastewater Treatment Plant Upgrade Water Quality Assessment* and April 2013 *Pemberton Wastewater Treatment Plant Lefroy Brook Aquatic Ecological Assessment* which were reviewed in detail as part of the 2013 works approval for upgrade works at the Pemberton Water Resource Recovery facility, W5467/2013/1.

The Delegated Officer considers that wastewater treatment design emission levels will not exceed the emission quality standards stipulated under the *Australian Water Quality Guidelines for Fresh and Marine Water Quality* (ANZECC and ARMCANZ 2000) and the *Australian Guidelines for Sewage Systems Effluent Management* (ANZECC and ARMCANZ 1997).

To ensure designed treatment levels are maintained emission limits and reporting requirements have been included in the licence. All wastewater emissions will be treated to the same standards, whether discharged to Lefroy Brook or the irrigation area. During the 2021-2022 reporting period, 9,302 kL was delivered to Pemberton sports oval and 48,286 kL was discharged to the Lefroy Brook.

Table 4 below shows the final effluent quality produced by the plant over the 2020-21 and 2021-22 periods in comparison to the targets and limits on the existing licence.

**Table 4: Treated wastewater quality**

| Water Quality | | | |
|---|---|---|---|
| **Parameter** | **Licence Limits** | **Final Effluent Average 2020-2021** | **Final Effluent Average 2021-2022** |
| BOD | ≤ 20 mg/L | 10.8 mg/L | 2.6 mg/L |
| *E.coli* | <150 cfu/100 ml | 6.8 cfu/100 ml | 78 cfu/100 ml |
| Total Nitrogen | ≤ 7 mg/L (Limit) | 4.0 mg/L | 3.1 mg/L |
| Total Phosphorous | ≤ 2 mg/L | 0.08 mg/L | 0.08 mg/L |
| Total Suspended Solids | ≤ 30 mg/L | 2.6 mg/L | 2.9 mg/L |

Annual monitoring report data for 2020-2023 shows Pemberton WRRF has generally performed within the expected design parameters, with occasional incidents of limits not being achieved due to operational or other issues.

The Delegated Officer considers that Lefroy Brook is a highly sensitive receiving environment which could be impacted by elevated contaminants in discharges from the WRRF and has imposed emission limits on the point source emissions to water. The emission limits reflect the emission levels that the plant has previously operated under as targets (with the exception of total nitrogen) and are considered to not pose a significant risk to the environment. Actual

emissions are expected to be below these emission limits. The limits are outlined in Table 5 below.

**Table 5: Treated wastewater process limits**

| **Emission limit** | | |
|---|---|---|
| **Parameter** | **Level** | **Basis** |
| BOD | ≤ 20 mg/L | Design treatment standard, application supporting documents |
| *E.coli* | <150 cfu/100 ml | Design treatment standard, application supporting documents |
| Total Nitrogen | ≤ 7 mg/L | Design treatment standard, application supporting documents |
| Total Phosphorous | ≤ 2 mg/L | Design treatment standard, application supporting documents |
| Total Suspended Solids | ≤ 30 mg/L | Design treatment standard, application supporting documents |

### Emissions Monitoring

Monitoring requirements have been imposed through conditions 6, 7 8 and 9 for the parameters to be sampled. The methods for monitoring are consistent with those proposed by the proponent and are considered appropriate. Sampling and analysis are to be undertaken by a NATA accredited laboratory. These conditions are required to ensure the monitoring data is reliable and accurate.

### Pemberton WRRF Upstream and Downstream Water Quality in Lefroy Brook

Discharge to Lefroy Brook data for 2021-2023 indicates comparable water quality when for downstream and upstream monitoring results indicating that the discharge from the WWTP into Lefroy Brook, where consistent with the water quality parameters required under licence, is being adequately diluted. Given the lower levels of *E. coli* in discharged effluent following tertiary treatment, it is considered that the slightly elevated *E. coli* levels detected downstream from the WWTP discharge point are attributable to sources other than the WWTP.

**Table 4: Surface Water Monitoring Result Averages**

| **Parameter** | **Upstream Lefroy Brook** | | **Discharge to Lefroy Brook from WRRF** | | **Downstream Lefroy Brook** | |
|---|---|---|---|---|---|---|
| | **2021-22** | **2022-23** | **2021-22** | **2022-23** | **2021-22** | **2022-23** |
| Escherichia coli (CFU/100 mL) – | 198.8 | 218 | 6.6 | < 10 | 317.2 | 358 |
| Total Nitrogen (mg/L) | 0.67 | 0.83 | 4.6 | 2.71 | 0.69 | 0.87 |
| Total Phosphorus (mg/L) | 0.03 | 0.06 | 0.3 | 0.07 | 0.04 | <0.05 |

**Reuse Scheme**

Existing Licence condition 7 specifies that the reuse scheme shall be managed so that the nutrient loading rate does not exceed:

a) Nitrogen: 250 kilograms per hectare per year

b) Phosphorous: 50 kilograms per hectare per year

Recent annual reports show that the actual loading rates are significantly below these levels, being historically below 10 and 2 kilograms per hectare per year for nitrogen and phosphorous respectively.

The Delegated Officer considers that the risk of eutrophication from discharge to the reuse scheme is adequately managed by loading rate limit and that licence limits for individual water quality parameters (such as those applied for the discharge to Lefroy Brook) are not required.

# 4. Consultation

Table 5 provides a summary of the consultation undertaken by the department.

**Table 5: Consultation**

| Consultation method | Comments received | Department response |
|---|---|---|
| *Application advertised on the department's website on 4 August 2023* | *None received* | N/A |
| *Local Government Authority advised of proposal on 4 August 2023* | *None received* | *N/A* |
| *Department of Health, advised of proposal 4 August 2023* | *DoH replied on 1 September 2023 advising, The DoH has no objection to the re-licensing proposal subject to the following:*<br>*1. That the DoH is informed of any upgraded components of the plant, updated volumes of untreated and treated wastewater and water quality criteria achieved.*<br>*2. Update and provide the DoH recycled water quality management plan.*<br>*3. It is recommended the reuse and disposal of treated wastewater meets the water quality criteria for the ovals – C59/MJ1000.*<br>*4. The proposal is required to comply with the requirements of the Health (Treatment of Sewage and Disposal of Effluent and Liquid Waste) Regulations, 1974.* | *Noted* |
| *Applicant was provided with draft documents on 2 October 2023* | *Refer to Appendix 1* | *Refer to Appendix 1* |

# 5. Conclusion

Based on the assessment in this decision report, the delegated officer has determined that the application to renew licence L7717/1993/10 will be granted, subject to conditions commensurate with the determined controls and necessary for administration and reporting requirements.

# References


1. Water Corporation licence amendment application and supporting documentation.
2. Department of Environment Regulation (DER) 2016, *Guidance Statement: Environmental Siting*, Perth, Western Australia.
3. DER 2017, *Guidance Statement: Risk Assessments*, Perth, Western Australia.
4. DER 2015, *Guidance Statement: Setting Conditions*, Perth, Western Australia.
5. DWER, June 2019. *Guideline: Industry Regulation Guide to Licensing.* Department of Water and Environmental Regulation, Perth.
6. DWER, June 2019. *Guideline: Decision Making.* Department of Water and Environmental Regulation, Perth.
7. Department of Water and Environmental Regulation (DWER) 2020, *Guideline: Environmental Siting*, Perth, Western Australia.

# Appendix 1: Summary of applicant's comments on risk assessment and draft conditions

| Condition | Summary of applicant's comment | Department's response |
|---|---|---|
| Condition 1 Table 1 | Typographical changes requested.<br>Removal of infrastructure detail | Changes adopted.<br>Operational requirements aspect reduced, but references to approved infrastructure and processes are required and listed infrastructure expected to be present and maintained. |
| Condition 2 &<br>Condition 4 | Typographical changes requested.<br>Change all reference to wastewater treatment plant to water resource recovery facility. | Changes adopted. Terminology 'wastewater' retained where referring to specific infrastructure such as tanks |
| Condition 8, Table 3 | Typographical changes requested.<br>Remove the word holding basins and change to treated water tank.<br>Remove the word holding infrastructure to treated water tank. | Changes adopted. Terminology 'wastewater' retained where referring to specific infrastructure such as tanks |
| Condition 10 (b) | Remove condition since there are no treatment ponds. | Changes adopted |
| Condition 10 | Typographical changes requested.<br>Remove reference to the word holding basins and change to treated water tank. | Changes adopted. Terminology 'wastewater' retained where referring to specific infrastructure such as tanks |
| Decision report | **Summary of applicant's comment** | **Department's response** |
| General | Typographical changes requested.<br>Remove all reference to Treated Wastewater Treatment plant and change to Water Resource Recovery Facility | Changes adopted |

## Appendix 2: Application validation summary

| | | | | | |
|---|---|---|---|---|---|
| Works approval | ☐ | | | | |
| Licence | ☐ | Relevant works approval number: | | None | ☐ |
| | | Has the works approval been complied with? | | Yes ☐ No ☐ | |
| | | Has time limited operations under the works approval demonstrated acceptable operations? | | Yes ☐ No ☐ N/A ☐ | |
| | | Environmental Compliance Report / Critical Containment Infrastructure Report submitted? | | Yes ☐ No ☐ | |
| | | Date Report received: | | | |
| Renewal | ☒ | Current licence number: | L7717/1993/9 | | |
| Amendment to works approval | ☐ | Current works approval number: | | | |
| Amendment to licence | ☐ | Current licence number: | | | |
| | | Relevant works approval number: | | N/A | ☐ |
| Registration | ☐ | Current works approval number: | | None | ☐ |
| Date application received | | 30/06/2023 | | | |
| **Applicant and Premises details** | | | | | |
| Applicant name/s (full legal name/s) | | Water Corporation | | | |
| Premises name | | Permberton | | | |
| Premises location | | Lot 14459 on Plan 192273 | | | |
| Local Government Authority | | Shire of Manjimup | | | |
| **Application documents** | | | | | |
| HPCM file reference number: | | DWERDT801239 | | | |
| Key application documents (additional to application form): | | Licence renewal application form<br>Proof of occupier status<br>Premises Map<br>WWTP schematic | | | |
| **Scope of application/assessment** | | | | | |

| | |
|---|---|
| Summary of proposed activities or changes to existing operations. | **Licence [renewal]- no changes to the existing operations**<br>The Pemberton Water Resource Recovery Facility (WRRF) is a tertiary treatment facility. It has a design capacity to treat up to 300kL per day of sewage, with an average daily inflow of 165kL reported in the 2021/22 period.<br>The current Licence specifies that the capacity is 200m3 per day. Water Corporation is seeking to have the capacity amended to 300kL per day to accurately reflect design capacity as per W5467/2013/1 and the Licence amendment application supporting information submitted to DWER in 2016 following completion of the upgrade works.<br>**Operation of the WWTP**<br>The WRRF treats wastewater to a secondary standard and includes the following treatment processes: •Preliminary treatment •Secondary treatment •Treated wastewater disposal (TWW is pumped to Pemberton sports oval for irrigation during the summer months and discharged to Lefroy Brook during the winter period)•Sludge treatment and dewatering |

**Category number/s (activities that cause the premises to become prescribed premises)**

**Table 1: Prescribed premises categories**

| Prescribed premises category and description | Assessed production or design capacity | Proposed changes to the production or design capacity |
|---|---|---|
| Category 54: Sewage Facility | Not more than 200 $m^3$ per day. | The current Licence specifies that the capacity is 200m3 per day. Water Corporation is seeking to have the capacity amended to 300kL per day to accurately reflect design capacity as per W5467/2013/1 and the Licence amendment application supporting information submitted to DWER in 2016 following completion of the upgrade works. |
| | | |

**Legislative context and other approvals**

| | | |
|---|---|---|
| Has the applicant referred, or do they intend to refer, their proposal to the EPA under Part IV of the EP Act as a significant proposal? | Yes ☐ No ☒ | Referral decision No:<br>Managed under Part V ☐<br>Assessed under Part IV ☐ |
| Does the applicant hold any existing Part IV Ministerial Statements relevant to the application? | Yes ☐ No ☒ | Ministerial statement No:<br>EPA Report No: |
| Has the proposal been referred and/or assessed under the EPBC Act? | Yes ☐ No ☒ | Reference No: |

| | | |
|---|---|---|
| Has the applicant demonstrated occupancy (proof of occupier status)? | Yes ☒ No ☐ | Certificate of title ☐<br>General lease ☐ Expiry:<br>Mining lease / tenement ☐ Expiry:<br>Other evidence ☐ Expiry: |
| Has the applicant obtained all relevant planning approvals? | Yes ☐ No ☐ N/A ☒ | Approval:<br>Expiry date:<br>If N/A explain why? |
| Has the applicant applied for, or have an existing EP Act clearing permit in relation to this proposal? | Yes ☐ No ☒ | CPS No: N/A<br>No clearing is proposed. |
| Has the applicant applied for, or have an existing CAWS Act clearing licence in relation to this proposal? | Yes ☐ No ☒ | Application reference No: N/A<br>Licence/permit No: N/A<br>No clearing is proposed. |
| Has the applicant applied for, or have an existing RIWI Act licence or permit in relation to this proposal? | Yes ☐ No ☒ | Application reference No:<br>Licence/permit No:<br>Licence / permit not required. |
| Does the proposal involve a discharge of waste into a designated area (as defined in section 57 of the EP Act)? | Yes ☐ No ☒ | Name: N/A<br>Type:<br>Has Regulatory Services (Water) been consulted?<br>Yes ☐ No ☐ N/A ☒<br>Regional office: N/A |
| Is the Premises situated in a Public Drinking Water Source Area (PDWSA)? | Yes ☐ No ☒ | Name: N/A<br>Priority: P1 / P2 / P3 / N/A<br>Are the proposed activities/ landuse compatible with the PDWSA (refer to WQPN 25)?<br>Yes ☐ No ☐ N/A ☒ |
| Is the Premises subject to any other Acts or subsidiary regulations (e.g. *Dangerous Goods Safety Act 2004, Environmental Protection (Controlled Waste) Regulations 2004, State Agreement Act xxxx*) | Yes ☐ No ☒ | NA |

| | | |
|---|---|---|
| Is the Premises within an Environmental Protection Policy (EPP) Area? | Yes ☐ No ☒ | NA |
| Is the Premises subject to any EPP requirements? | Yes ☐ No ☒ | NA |
| Is the Premises a known or suspected contaminated site under the *Contaminated Sites Act 2003*? | Yes ☐ No ☒ | Classification: N/A<br>Date of classification: N/A |

| **Direct interest stakeholders** | |
|---|---|
| *Shire of Manjimup* | Letter to be sent Yes ☒ No ☐ |
| *DoH* | Letter to be sent Yes ☒ No ☐ |