



## Application for Works Approval

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

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**Works Approval Number** W6677/2022/1

**Applicant** Water Corporation

**ACN** 28 003 434 917

**File number** DER2022/000168

**Premises** East Rockingham Water Resource Recovery Facility  
  
Lot 501 on Deposited Plan 61891 Chesterfield Road and  
Pipeline Outlet Corridor locatin on Lot 502 Vol 2733 Folio 845  
Deposited Plan 61891 Patterson Road East Rockingham WA  
6168

**Date of report** 27 October 2022

**Decision** Works approval granted

**MANAGER WASTE INDUSTRIES  
REGULATORY SERVICES**

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 construction and operation of the premises. As a result of this assessment, works approval W6677/2022/1 has been granted.

## 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 19 April 2022, the applicant submitted an application for a works approval to the department under section 54 of the *Environmental Protection Act 1986* (EP Act).

The application is to undertake construction works relating to various upgrades to allow for an increase in throughput capacity from 20ML per day to 30ML per day at the premises. The premises is approximately 35 km south of Perth in the metropolitan area.

The premises currently licence to 20ML/day under Licence 8960/2016/1, but only receives a flow of approximately 4ML per day. The application explains that the increase in capacity is to accommodate a planned change of flows away from the Point Peron Wastewater Treatment Plant catchment to the premises.

The premises relates to the category and assessed production capacity under Schedule 1 of the *Environmental Protection Regulations 1987* (EP Regulations) which are defined in works approval W6677/2022/1. 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 in works approval W6677/2022/1.

### 2.3 Proposed works

The premises currently operates as prescribed premises Category 54: Sewage facility under licence 8960/2016/1. The premises was commissioned in 2015 and has a licensed acceptance limit of 20 ML/day.

The proposed works are for the construction, commissioning and operation of new plant and equipment within the existing wastewater treatment operations to facilitate an operating capacity of 30 ML/day. This increase in capacity is to accommodate the planned diversion of wastewater flows away from the Point Peron Wastewater Treatment Plant catchment.

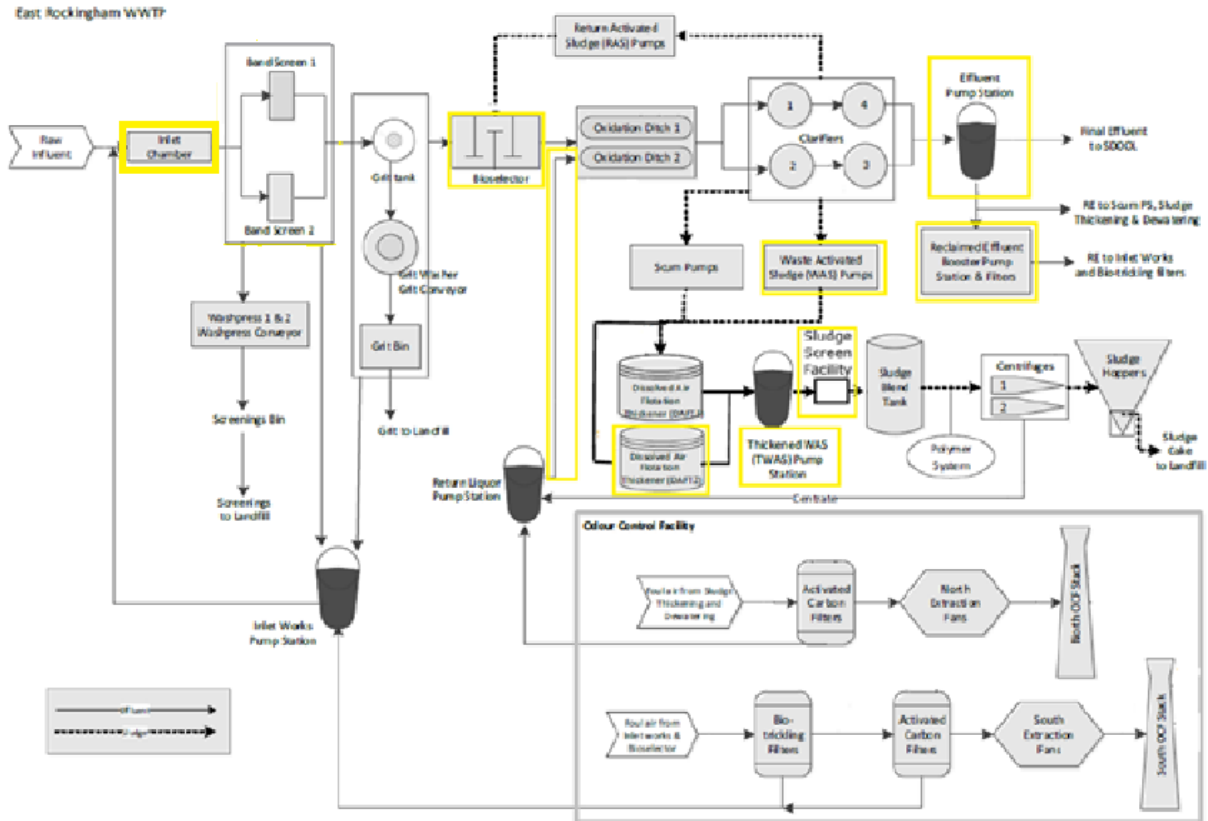
The works associated with the upgrade of Existing Plant to 30MLD include:

- Modification of inlet works to provide access.
- A minor upgrade to the existing Bioselector (Additional mixer).
- Construct a sludge screening facility for Thickened WAS.
- An upgrade to Thickened Waste Activated Sludge (TWAS) pump station.
- An upgrade to Waste Activated Sludge (WAS) pump station).
- Construct a 2nd Dissolved Air Flotation Thickener (DAFT) Tank.

- Reroute return liquor delivery pipeline to Bioselector.
- A minor upgrade to the Reclaimed Effluent system (pump and accumulator); and
- An upgrade to the Final Effluent Pump Station (FEPS) to meet the increase in inflow.

The existing wastewater treatment process will be operational during the entirety of the proposed constructions and commissioning works. Figure 1 illustrates the proposed flow of the upgraded process.

**Figure 1. Process flow diagram (with proposed upgrades)**



## 2.4 Part IV of the EP Act

The premises was referred to the EPA in 2011 and was given a determination of ‘Not Assessed – no advice given’.

Treated wastewater from the premises is pumped into the Sepia Depression Ocean Outlet Landline (SDOOL) that was assessed and is authorised under Ministerial Statement 665. Condition 8 of Statement 665 requires the Water Corporation to examine new or changed discharges to the SDOOL Water Corporation commissioned a marine impact investigation (included in the application) that confirmed the proposed upgrades would not change the water quality discharging to the marine environment.

### 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 construction and 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
<b>Construction</b>			
Dust	Civil and construction works to facilitate modifications.  Vehicle movements on unsealed access roads.	Air/windborne pathway causing impacts to health and amenity	- Construction environmental management plan to address typical construction activity dust reduction.
Noise		Air/windborne pathway causing impacts to health and amenity	- Construction environmental management plan including: - Works will be conducted in accordance with the <i>Environmental Protection (Noise) Regulations 1997</i> ; - Construction undertaken between 7am and 7pm Monday to Friday. If any works are required outside these times Water Corporation will seek relevant approvals from DWER and the Local Government authority, prepare a Noise Management Plan and undertake community consultation in accordance with the <i>Environmental Protection (Noise) Regulations 1997</i> ; - Vehicles and equipment will be fitted with appropriate noise controls; - All plant, equipment and vehicles will be regularly inspected and maintained;
Odour		Air/windborne pathway causing impacts to health and	- Construction environmental management plan including that works are to be minimised where it involves open hatches or doors that would normally contain odour.

Emission	Sources	Potential pathways	Proposed controls
		amenity	<ul style="list-style-type: none"> <li>- Inlet flow will be directed to alternate channel to enable a single channel to be modified one at a time.</li> <li>- The sludge screening system can be mostly constructed and installed offline, with minor shutdowns to occur during the tie-in process.</li> </ul>
Spills of hydrocarbons from vehicles and equipment	Installation of wastewater infrastructure	Overland flow and infiltration to soil and groundwater	- The <i>Environmental Protection (Unauthorised Discharge) Regulations 2004</i> apply.
<b>Commissioning and time-limited operation</b>			
Odour	Ongoing operation of the upgraded WRRF	Air/windborne pathway causing impacts to health and amenity	<ul style="list-style-type: none"> <li>- Environmental and Air Quality Consulting Pty Ltd (EAQ) East Rockingham Water Resource Recovery Facility: Proposed Increase to 30 MLD - Odour Assessment.</li> <li>- The Odour Impact Assessment from EAQ states that the proposed upgrade will not have a marked effect on increasing the existing odour footprint, with the exception of the second DAFT which will remain uncovered. The Odour Impact assessment states that the largest source of 'uncontrolled' odour emissions occurs from the existing oxidation ditch, with those emissions from the uncovered DAFT producing a marginal increase in passive odour release, which in all likelihood be observable only at proximity to the DAFT.</li> <li>- The second DAFT tank is proposed to be only used as a redundancy to maintain capacity.</li> <li>- Existing odour controls as assessed in the licence issued 3 June 2016, including: <ul style="list-style-type: none"> <li>- Odour extraction points are located in the removable covers located on the screenings plant, vortex degritters, bioselectors, sludge storage tanks and the inflow/outflow channels. The covers are under negative pressure and designed to minimise leakage under normal operating conditions. Odour will be extracted directly from each of the band screen, wash presses, grit conveyors and grit bins.</li> <li>- Extracted air from odourous activities is ducted to an odour treatment system where scrubbers remove H<sub>2</sub>S.</li> <li>- Two decentralised odour control treatment units (North and South) with foul air extraction, ductwork, treatment and stacks.</li> </ul> </li> </ul>

Emission	Sources	Potential pathways	Proposed controls
			<p>The north system comprises extraction fans and activated carbon scrubber and the south system comprises spray water systems, extraction fans and activated carbon scrubber.</p> <ul style="list-style-type: none"> <li>- Continuous monitoring of H<sub>2</sub>S is carried out during operations at the entry and discharge point to all odour treatment systems and at the entry point to the stack.</li> <li>- The treatment operation is live monitored via SCADA system. Pressure sensors monitor the flow of air into the bioselector to monitor emissions where SCADA tracks the live airflows and triggers alerts if the airflow sensors give spurious/anomalous readings.</li> </ul>
Noise	Ongoing operation of the upgraded WRRF	Air/windborne pathway causing impacts to health and amenity	<ul style="list-style-type: none"> <li>- At the completion of the works, the applicant will verify the noise characteristics through a noise impact assessment, for inclusion in the licence amendment application.</li> </ul>
Wastewater discharge to the environment	Loss of containment	Overland flow and infiltration to soil and groundwater	<ul style="list-style-type: none"> <li>- Existing operational controls consistent with Licence L8960/2016/1.</li> <li>- Works will occur alongside the existing operating plant.</li> </ul>
Wastewater discharge to the environment	Discharge of treated wastewater	Direct discharge through the Sepia Depression Ocean Outlet Landline	<ul style="list-style-type: none"> <li>- The Sepia Depression Ocean Outlet Landline (SDOOL) transfers treated wastewater from the premises to the Sepia Depression. The treated wastewater quality discharged from the premises both during construction and during operation of the upgraded plant is expected to remain as per the current situation (with improvements expected long-term) and will not exceed the discharge loads to the ocean required by Ministerial Statement 665 or the licence.</li> <li>- The SDOOL Marine Monitoring Plan will continue to be implemented during construction works and monitoring will continue as per the current licence arrangements.</li> </ul>

### 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 Figures 2 and 3 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
Residential Premises	<ul style="list-style-type: none"> <li>- The closest residents are the Rockingham Village Caravan Park approximately 1,100m south; and Cee and Cee Caravan Park 1,700m west of the site.</li> <li>- The area is zoned heavy and general industrial in both the City of Rockingham Town Planning Scheme and the Metropolitan Region Scheme.</li> </ul>
Environmental receptors	Distance from prescribed activity
Specified Ecosystems	<p>The premises is within the buffer zone of Threatened Ecological Community (TEC) 19 Sedgeland in Holocene Dune Swales of the Southern Swan Coastal Plan vegetation.</p> <p>The application notes that Banksia Woodlands TEC and Tuart woodlands TEC could potentially occur within and surrounding this site.</p>
Underlying groundwater (non-potable purposes)	<p>The Safety Bay Sand and Tamala Limestone form part of the Superficial aquifer of the Perth Basin. Although the Superficial aquifer is considered to be a single aquifer system, the clayey sand at the base of the Safety Bay Sand greatly restricts the movement of groundwater between the formations. The Safety Bay Sand is moderately permeable, whereas the Tamala Limestone is generally highly permeable due to the presence of karstic features such as solution channels. Groundwater levels have been monitored at nine wells across the site from February 2012. Monitoring shows that groundwater levels below fluctuate between 1.8 and 2.5m below surface (or 1 to 1.7mAHD). Groundwater within the surrounding area is alkaline with pH ranging from 8.30-8.77 and the shallow groundwater is predominantly fresh, with a salinity of less than 1,000 mg/L TDS (total dissolved solids).</p> <p>Hydrology: The hydrology of the site includes 30 wetlands within the vicinity and 7 wetlands within one km of the site, with the closest located 200m south of the plant's footprint, which covers a surface area of 28.07 ha.</p>
Bush Forever	Bush Forever site 349 located over 500m to the east of the site.

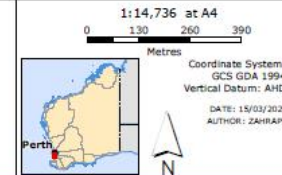


**Figure 2: Prescribed premises boundary (supplied by applicant)**



**LEGEND**

- | Prescribed Premises Boundary
- | Bush Forever Site
- | Identified wetlands



East Rockingham WRRF  
Premises Map

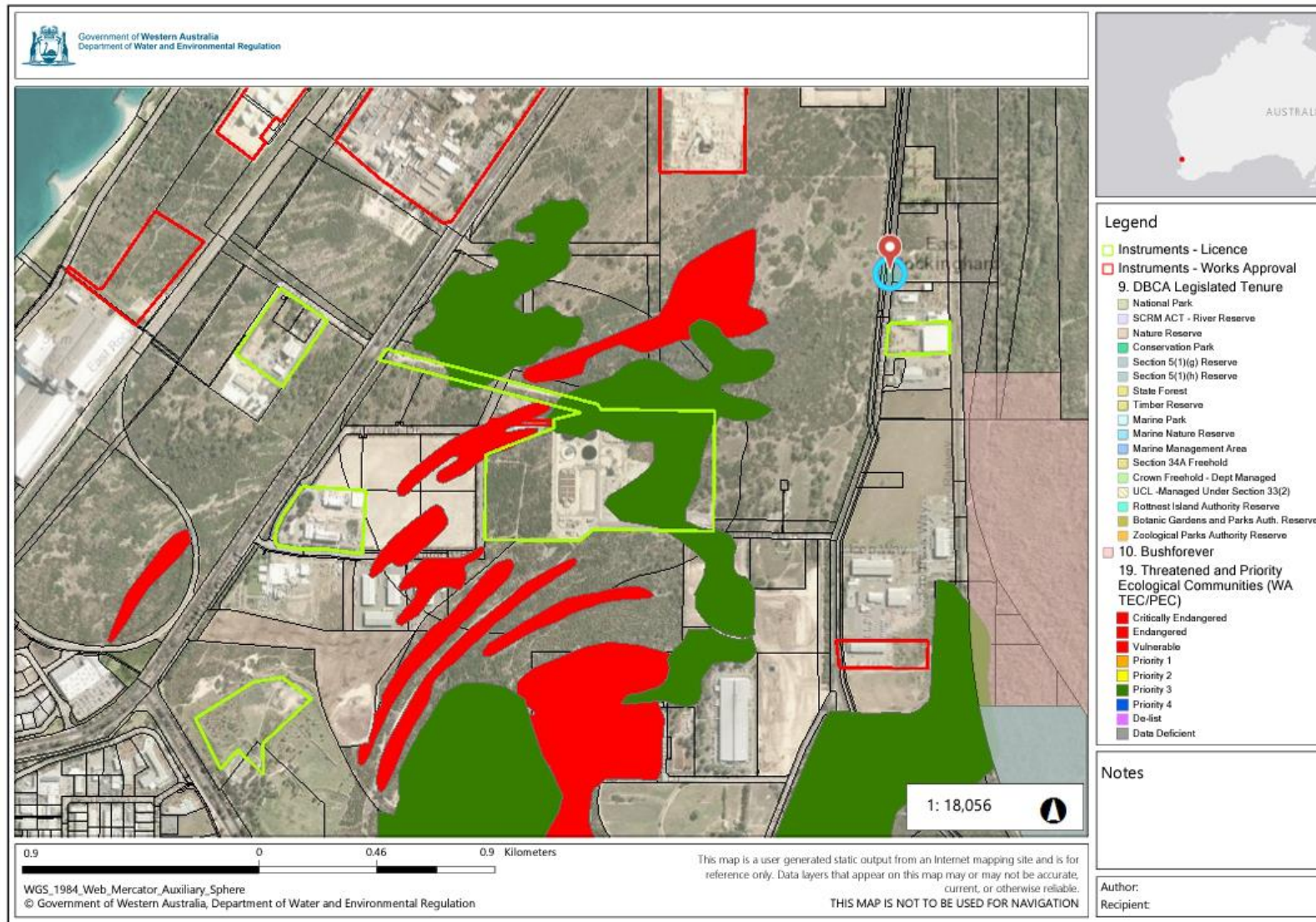
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**Figure 1**

File: S:\AA\_EIA\_GIS\1\_Projects\Capital\CS03563 East Rockingham WWP 30MLD Upgrade\ArcMap\AA\_Landscaps.mxd



**Figure 3: Distance to sensitive receptors**



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IR-T13 Decision report template (short) v3.0 (May 2021)

## 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 works approval 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.

Works approval W6677/2022/1 that accompanies this decision report authorises construction and time-limited operations (for the second DAFT tank). The conditions in the issued works approval, as outlined in Table 3 have been determined in accordance with *Guidance Statement: Setting Conditions* (DER 2015).

A licence amendment is required following the time-limited operational phase authorised under the works approval to authorise emissions associated with the ongoing operation of the premises i.e. wastewater treatment activities. A risk assessment for the operational phase has been included in this decision report, however licence conditions will not be finalised until the department assesses the licence application.

**Table 3: Risk assessment of potential emissions and discharges from the premises during construction, commissioning and operation**

Risk events					Risk rating <sup>1</sup> C = consequence L = likelihood	Applicant controls sufficient?	Conditions <sup>2</sup> of works approval	Justification for additional regulatory controls
Sources / activities	Potential emission	Potential pathways and impact	Receptors	Applicant controls				
<b>Construction</b>								
Vehicle movements on unsealed access roads.  Civil and construction works to facilitate modifications to the Premises.	Dust	Air / windborne pathway causing impacts to health and amenity	Residences 1,100m and 1,700m west of the premises	Refer to Section 3.1	C = Slight L = Unlikely <b>Low Risk</b>	Y	<b>Conditions 1 and 2</b>	The applicant has committed to having a Construction Environmental Management Plan (CEMP) which will address the potential for noise emissions and provide mitigation measures. The works approval will specify the minimum requirements for the CEMP to manage noise emissions.
	Noise			Refer to Section 3.1	C = Slight L = Rare <b>Low Risk</b>	Y	<b>Conditions 1 and 2</b>	The works approval will specify the minimum requirements for the CEMP to manage dust emissions during works.
Interruption of treatment process to upgrade/install new equipment/infrastructure	Odour			Refer to Section 3.1	C = Minor L = Unlikely <b>Medium Risk</b>	Y	Condition 7 <b>Conditions 1 and 2</b>	The works approval will specify the minimum requirements for the CEMP to manage odour emissions.  Time periods for cut overs from the existing infrastructure to the new system will be limited to reduce the potential for odour emissions.
Installation of wastewater infrastructure	Spills of hydrocarbons from vehicles and equipment	Overland flow and infiltration to soil and groundwater causing ecosystem disturbance	Wetland approximately 200 m to the south	Refer to Section 3.1	C = Slight L = Rare <b>Low Risk</b>	Y	N/A	Minor hydrocarbon and chemical spillages are adequately regulated by the <i>Environmental Protection (Unauthorised Discharges) Regulations 2004</i> .
<b>Commissioning and time-limited-operations operations</b>								

Works approval: W6677/2022/1

Risk events					Risk rating <sup>1</sup> C = consequence L = likelihood	Applicant controls sufficient?	Conditions <sup>2</sup> of works approval	Justification for additional regulatory controls
Sources / activities	Potential emission	Potential pathways and impact	Receptors	Applicant controls				
<p>Increase in capacity of infrastructure</p> <p>Operation of infrastructure</p> <p>Receipt, processing and treatment of wastewater, and the discharge of wastewater</p>	Odour	Air / windborne pathway causing impacts to health and amenity	Residences 1,100m and 1,700m west of the premises	Refer to Section 3.1	C = Moderate L = Possible <b>Medium Risk</b>	N	<p>Conditions 3, 7, 12 <b><u>Conditions 4, 5, 8, 9, 13, 15 and 16</u></b></p>	<p>Conditions 4 and 5 require the submission of an Environmental Compliance Report to verify the works have been constructed in accordance with the relevant requirements.</p> <p>Conditions 8 and 9 require the submission of an Environmental Commissioning Report to verify infrastructure against manufacturer's specifications.</p> <p>Conditions 13 and 14 require the undertaking of four odour field assessments during time limited operations (two in summer) to determine the extent of possible odour impacts to sensitive receptors. This assessment allows further validation of odour controls prior to the expected licence amendment application.</p>
Operation of infrastructure	Noise	Air / windborne pathway causing impacts to health and amenity	Residences 1,100m and 1,700m west of the premises	Refer to Section 3.1	C = Minor L = Unlikely <b>Medium Risk</b>	Y	<p>Conditions 3, 7 <b><u>Conditions 4, 5, 8, 9 and 15-18.</u></b></p>	<p>The operation of the proposed infrastructure does not significantly alter the risk as previously assessed for equivalent infrastructure for Licence L8960/2016/1.</p> <p>The applicant has committed to undertaking a noise verification monitoring program following the completion of works. As such, the Delegated Officer has included noise verification monitoring in conditions 15-18 to confirm the risk associated with the change in noise emissions.</p>

Risk events					Risk rating <sup>1</sup> C = consequence L = likelihood	Applicant controls sufficient?	Conditions <sup>2</sup> of works approval	Justification for additional regulatory controls
Sources / activities	Potential emission	Potential pathways and impact	Receptors	Applicant controls				
Loss of containment	Wastewater discharge to the environment	Overland flow and infiltration to soil and groundwater causing ecosystem disturbance	Groundwater approximately 2 mbgl Wetland approximately 200 m to the south	Refer to Section 3.1	C = Moderate L = Unlikely <b>Medium Risk</b>	Y	Conditions 3, 7 <b><u>Conditions 4, 5, 8 and 9</u></b>	The operation of the proposed infrastructure does not alter the risk as previously assessed for equivalent infrastructure for Licence L8960/2016/1.  Conditions 4 and 5 require the submission of an Environmental Compliance Report to verify the works have been constructed in accordance with the relevant requirements.  The Delegated Officer acknowledges that the proposed DAFT tank may be considered critical containment infrastructure. Given the tank will be a sealed concrete structure in accordance with AS3600 and AS3735, the Delegated Officer considers that verification of the works through conditions 4 and 5 is appropriate, with a hold period for a Critical Containment Infrastructure Report assessment period not being necessary.
Discharge of treated wastewater	Wastewater discharge to the environment	Direct discharge through the Sepia Depression Ocean Outlet Landline causing ecosystem disturbance	4 km offshore into the Sepia depression	Refer to Section 3.1	C = Major L = Unlikely <b>Medium Risk</b>	Y	Conditions 3, 7 <b><u>Conditions 4, 5, 8 and 9</u></b>	The proposed works are not expected to adversely impact the current quality of treated wastewater. The existing conditions of Licence L8960/2016/1 and the discharge requirements of Ministerial Statement 665 provide sufficient control to mitigate the potential for adverse emissions through wastewater discharge to the Sepia Depression.

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.  
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### 3.2.1 Consultation

Table 4 provides a summary of the consultation undertaken by the department.

**Table 4: Consultation**

Consultation method	Comments received	Department response
Application advertised on the department's website on 2 June 2022	None received	N/A
Local Government Authority advised of proposal on 2 June 2022	The City of Rockingham replied on 13 June 2022 to advise that the applicant is exempt from requiring planning approval given the land use (Public Purposes – WSD (Water Authority of WA)). The City of Rockingham had no other concerns or comments.  City of Rockingham copied in the South-West Metro Planning Branch of the Department of Planning, Land and Heritage (DPLH) to allow them to view and add to their advice.	N/A
Response from City of Rockingham copied to South-West Metro Planning Branch of the Department of Planning, Land and Heritage (DPLH) on 13 June 2022 to allow for review and direct response	No response	N/A
Department of Health advised of proposal on 2 June 2022	Department of Health responded on 21 June 2022 with no objections or concerns.	N/A
Department of State Development advised of proposal on 17 June 2022	Department of State Development responded on 24 June 2022 with no objections or concerns.	N/A
Applicant provided comments on draft documents on 25 October 2022	Refer to Appendix 1	Refer to Appendix 1

## 4. Conclusion

Based on the assessment in this decision report, the delegated officer has determined that a works approval will be granted, subject to conditions commensurate with the determined controls and necessary for administration and reporting requirements.



## References

1. Department of Environment Regulation (DER) 2016, *Guidance Statement: Environmental Siting*, Perth, Western Australia.
2. DER 2017, *Guidance Statement: Risk Assessments*, Perth, Western Australia.
3. DER 2015, *Guidance Statement: Setting Conditions*, Perth, Western Australia.
4. Department of Water and Environmental Regulation (DWER) 2019, *Guideline: Decision Making*, Perth, Western Australia
5. DWER 2019, *Guideline: Industry Regulation Guide to Licensing*, 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 3, Table 1	<p>Minor amendments to the design, construction, and installation requirements, including:</p> <ul style="list-style-type: none"> <li>inlet screens do not need replacing to accommodate the 30MLD, with only access points being added.</li> <li>band screens will not be modified to reduce solids carryover.</li> <li>the WAS pump station will have capability to feed both DAFT Tanks.</li> </ul>	All amendments and rewording proposed by the applicant in relation to the works and associated infrastructure have been adopted in the works approval, as the risks assessed are unchanged.
Condition 5	<p>It is requested to only provide an environmental compliance report for the construction of the second DAFT tank (item 6 in Table 1). The environmental assessment of emissions and discharges identified this component to be the most likely containment infrastructure to cause an emission (odour).</p> <p>All other items are minor infrastructure (pumps, pipes etc) and therefore are unlikely to alter the proposed emissions from the facility.</p> <p>Assets proposed to be installed and used (commissioned) without an environmental compliance report will go through a QA/QC process before installation and be verified to be operating before being handed over to Water Corporation.</p>	The Delegated Officer considers that the requirements of the Environmental Compliance Report remain unchanged, as certification that each item of infrastructure has been constructed in accordance with the relevant requirements specified in condition 3 is essential in mitigating future risks posed by the operation of the infrastructure.
Condition 6	Given East Rockingham is an active treatment facility, it has been identified that it may be difficult in the commissioning of the proposed equipment. Specifically, where an item is installed in-line, the equipment is effectively in use immediately, potentially at variance to condition 6. It is requested to refine condition 6 to potentially allow use following installation.	The Delegated Officer concurs with the applicant, and has amended condition 6 such that commissioning of infrastructure can occur immediately following its installation. Thus, the requirement that commissioning can only occur following the submission of the Environmental Compliance Report has been removed.
Condition 9	The majority of the components listed in Table 1 are unlikely to be able to be singled out as environmental commissioned. The commissioning report will likely focus on the overall emissions and	The Delegated Officer recognises the matter raised by the applicant, and considers a commissioning report on the entirety of the new infrastructure as one system, rather than individual components, to be sufficient. The requirements of

Condition	Summary of applicant's comment	Department's response
	discharges.	the commissioning report in condition 9, however, remain unchanged.
Condition 13	<p>Water Corporation would like to clarify that the 4 odour field assessments do not need to be conducted within the time limited operations period (180 days).</p> <p>It is understood that this requirement is only to confirm the engaging of a suitably qualified person, within those 180 days.</p>	<p>The department wishes to clarify that Condition 13 requires not only the engagement of a suitably qualified person to for the purposes of odour field assessments (OFAs), but that the OFAs are also to be undertaken during time-limited operations. Condition 13(a)(iii) has been refined such that 4 OFAs are to be undertaken over a period of 180 days during time limited operations, with each OFA conducted at least one month apart.</p> <p>The Delegated Officers recognises that, due to the 180 day timeframe, the 4 OFAs will not cover the entirety of meteorological conditions during the year (i.e. two seasons may not be accounted for). However, it is considered that the OFAs will still provide a representative sample of operation of the new infrastructure, of which the data and results will be assessed by the department for validation of odour controls.</p> <p>It is noted that a similar requirement was included within works approval W6581/2021/1 for Woodman Point Wastewater Treatment Plant, which is held by the applicant.</p>

## Appendix 2: Application validation summary

SECTION 1: APPLICATION SUMMARY (as updated from validation checklist)				
<b>Application type</b>				
Works approval	<input checked="" type="checkbox"/>			
Licence	<input type="checkbox"/>	Relevant works approval number:		None <input type="checkbox"/>
		Has the works approval been complied with?	Yes <input type="checkbox"/> No <input type="checkbox"/>	
		Has time limited operations under the works approval demonstrated acceptable operations?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	
		Environmental Compliance Report / Critical Containment Infrastructure Report submitted?	Yes <input type="checkbox"/> No <input type="checkbox"/>	
		Date report received:		
Renewal	<input type="checkbox"/>	Current licence number:		
Amendment to works approval	<input type="checkbox"/>	Current works approval number:		
Amendment to licence	<input type="checkbox"/>	Current licence number:		
		Relevant works approval number:		N/A <input type="checkbox"/>
Registration	<input type="checkbox"/>	Current works approval number:		None <input type="checkbox"/>
Date application received	19 April 2022			
<b>Applicant and premises details</b>				
Applicant name/s (full legal name/s)	Water Corporation			
Premises name	East Rockingham Water Resource Recovery Facility			
Premises location	Lot 501 on Deposited Plan 61891 Chesterfield Road and Pipeline Outlet Corridor Location on Lot 502 Vol 2733 Folio 845 Deposited Plan 61891 Patterson Road			
Local Government Authority	City of Rockingham			
<b>Application documents</b>				
HPCM file reference number:	DER2022/000168			
Key application documents (additional to application form):	C-S03563 – East Rockingham WRRF – 30MLD upgrade Supporting information for approvals under Part V of the Environmental Protection Act 1986 Works Approval Supporting Information – April 2022			
<b>Scope of application/assessment</b>				

## SECTION 1: APPLICATION SUMMARY (as updated from validation checklist)

Summary of proposed activities or changes to existing operations.

Works to increase the treatment capacity to 30 ML/day. The premises is licenced for 20ML/day (L8960/2016/1) but only receives a flow of approximately 4ML/day. The increase will be from a planned diversion of wastewater away from the Point Peron WWTP catchment.

From application – the works associated with the upgrade of Existing Plant to 30ML/day include:

1. Construction of replacement inlet band screens (inlet works).
2. A Minor upgrade to the existing Bioselector (Additional mixer).
3. Construct a sludge screening facility for Thickened WAS.
4. An upgrade to Thickened Waste Activated Sludge (TWAS)\* pump station (upgrade pumps).
5. An upgrade to Waste Activated Sludge (WAS)\* pump station (install 3rd pump).
6. Construct a 2nd Dissolved Air Flotation Thickener (DAFT) Tank.
7. Reroute return liquor delivery pipeline to Bioselector.
8. A minor upgrade Reclaimed Effluent system (pump & accumulator), and
9. An upgrade to the Final Effluent Pump Station (FEPS) to meet this increase in inflow (30ML/d capacity).

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 (amendments only)
Category 54: sewage facility	20ML per day (20,000m <sup>3</sup> per day)	Works to allow for increased capacity in future licence amendment to 30ML per day (30,000 m <sup>3</sup> per day)

### 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 <input type="checkbox"/> No <input checked="" type="checkbox"/>	Referral decision No: Managed under Part V <input type="checkbox"/> Assessed under Part IV <input type="checkbox"/>
Does the applicant hold any existing Part IV Ministerial Statements relevant to the application?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Ministerial statement No: EPA Report No:
Has the proposal been referred and/or assessed under the EPBC Act?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Application stated previously referred to DAWE 2009/4970 (20 November 2009) and not assessed

**SECTION 1: APPLICATION SUMMARY (as updated from validation checklist)**

Has the applicant demonstrated occupancy (proof of occupier status)?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Certificate of title <input checked="" type="checkbox"/> General lease <input type="checkbox"/> Expiry: Mining lease / tenement <input type="checkbox"/> Expiry: Other evidence <input type="checkbox"/> Expiry:
Has the applicant obtained all relevant planning approvals?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	Exempt from planning approvals given the tenure and works (DWER Ref A2116801)
Has the applicant applied for, or have an existing EP Act clearing permit in relation to this proposal?	Yes <input type="checkbox"/> No <input type="checkbox"/>	No clearing is proposed.
Has the applicant applied for, or have an existing CAWS Act clearing licence in relation to this proposal?	Yes <input type="checkbox"/> No <input type="checkbox"/>	No clearing is proposed.
Has the applicant applied for, or have an existing RIWI Act licence or permit in relation to this proposal?	Yes <input type="checkbox"/> No <input type="checkbox"/>	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 <input type="checkbox"/> No <input type="checkbox"/>	Name: N/A
Is the Premises situated in a Public Drinking Water Source Area (PDWSA)?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Licence / permit not required.
Is the Premises subject to any other Acts or subsidiary regulations (e.g. <i>Dangerous Goods Safety Act 2004, Environmental Protection (Controlled Waste) Regulations 2004, State Agreement Act xxxx</i> )	Yes <input type="checkbox"/> No <input type="checkbox"/>	
Is the Premises within an Environmental Protection Policy (EPP) Area?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<i>State Environmental (Cockburn Sound) Policy 2015</i>
Is the Premises subject to any EPP requirements?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<i>State Environmental (Cockburn Sound) Policy 2015</i>
Is the Premises a known or suspected contaminated site under the <i>Contaminated Sites Act 2003</i> ?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Date of classification: N/A