Government of Western Australia
Department of Water and Environmental Regulation

Decision Report

Application for Works Approval

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

Works Approval Number	W6889/2024/1
Applicant	Water Corporation
ACN	28 0030434 917
File number	DER2024/000025
Premises	Water Corporation Roberts Rd Wastewater Pump Station Res No 41500 Roberts Road, Attadale, WA, 6156 Legal description Lot 11143 on Deposited Plan 188806 Certificate of Title Volume LR3053 Folio 685 As defined by the coordinates in Schedule 2 of the works approval
Date of report	05 April 2024
Decision	Works approval granted

Simon Nonis

Digitally signed by Simon Nonis
Date: 2024.04.05 14:56:41 +08'00'

A/SENIOR ENVIRONMENTAL OFFICER
REGULATORY SERVICES
an officer delegated under section 20 of the *Environmental Protection Act 1986* (WA)

Table of Contents

1. Decision summary 1
2. Scope of assessment 1
2.1 Regulatory framework 1
2.2 Application summary and overview of premises 1
3. Risk assessment 2
3.1 Source-pathways and receptors 2
3.1.1 Emissions and controls 2
3.1.2 Receptors 5
Figure 1: Distance to sensitive receptors 7
3.2 Risk ratings 8
4. Consultation 11
5. Conclusion 11
References 11
Appendix 1: Summary of applicant's comments on risk assessment and draft conditions 12
Appendix 2: Application validation summary 13

Table 1: Proposed applicant controls 2
Table 2: Sensitive human and environmental receptors and distance from prescribed activity 5
Table 3: Risk assessment of potential emissions and discharges from the premises during construction and operation 9
Table 4: Consultation 11

Figure 1: Distance to sensitive receptors 7

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 W6889/2024/1 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 16 January 2024, 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 upgrading the pumps and associated pipework at the Roberts Road Wastewater Pump Station (the premises). The premises is situated in the City of Melville, approximately 9 km southwest of the Perth Central Business District.

The premises relates to the category and assessed design capacity under Schedule 1 of the *Environmental Protection Regulations 1987* (EP Regulations) which are defined in works approval W6889/2024/1. 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 W6889/2024/1.

Roberts Road is a dry well annulus wastewater pump station within the Attadale sewer district. Both pumps at this pump station are near end of life. The pumps have been assessed and are in a very poor condition, expected to fail soon.

The upgrade includes the removal of existing pumps and the installation of two new submersible dry-mount pumps. Both pumps will have a target flow rate of 8.5 L/s against the current flow rate of 6.1 L/s. The pipework and valves on the delivery side of the pumps will be replaced with stainless steel new pipework and Ductile Iron (DI) valves up to the manifold and within the dry well. The existing bell mouth will be replaced with a new one. The existing belowground switchboard will be replaced with a new aboveground switchboard and Supervisory Control and Data Acquisition (SCADA) upgrade.

The mechanical replacement will take place in the first stage. The mechanical upgrade will require a bypass pump setup to maintain pump station operability during installation. The bypass pump set-up will operate from the existing switchboard and emergency alarms will be in place during operation. The electrical upgrade will happen after testing and a proven period of the new pumps. A portable generator and contingency plan will take place during the electrical upgrade.

Construction of the mechanical upgrade is anticipated to start in the first half of 2024 and is expected to take approximately 6 weeks. Environmental commissioning of the upgraded work may take 1-2 weeks following the completion of construction works and will include testing of pump flows, pressures and pipework integrity. The electrical upgrade is planned to take place in September 2024.

Water Corporation holds a current Registration R1237/1996/1 for this site; therefore time limited operations and a licence to operate the premises are not required.

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
Construction			
Noise	Movement and use of machinery, equipment, and bypass pumping during construction. Vehicle movements. Removal of bypass pump and pipework. Implementation of emergency response activities (if required).	Air/ windborne pathway causing impacts to amenity.	A Construction Environmental Management Plan (CEMP) will be prepared prior to construction and will include, but is not limited to, the following controls: • During the construction phase, noise levels will be similar to those associated with normal construction projects involving the use of building construction plant, equipment and power tools; • Construction activities will be undertaken between 7am to 5pm Monday to Saturday; • Works will be conducted in accordance with the *Environmental Protection (Noise) Regulations 1997*; • Night construction works is not expected, however should they be required 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 *Environmental Protection (Noise) Regulations 1997;* • Construction activities will be carried out in accordance with control of environmental noise practices set out in Section 6 of *AS2436-1981 Guide to Noise Control on Construction Maintenance and Demolition Sites;* • Vehicles and equipment will be fitted with appropriate noise controls or will be the quietest that is reasonably available;

Emission	Sources	Potential pathways	Proposed controls
			• All plant, equipment and vehicles will be regularly inspected and maintained; • The bypass pumping system will be installed in the inlet access chamber which will reduce noise levels. In addition, a Bypass Noise Management Plan will be prepared by the Contractor and provided to the Local Government for review and comment prior to works commencing. • A complaints register will be kept on site and reported in the AER.
Dust	Vehicle movement on unsealed surfaces.	Air/windborne pathway causing impacts to health and amenity.	A CEMP will be prepared prior to construction and will include, but is not limited to, the following controls: • Watering of any unsealed surfaces if required.
Litter	Solid waste including packaging materials.	Air/ windborne pathway causing impacts to amenity.	A CEMP will be prepared prior to construction and will include, but is not limited to, the following controls: • Waste materials from construction activities will be collected in skip bins in dedicated waste storage areas on site and disposed at an appropriate licensed landfill facility or reused where possible.
Discharge of raw wastewater	Current pump and valve removal. Temporary operation of bypass pump and pipework - Failure of alarm systems and/or pumps resulting in overflow. Failure of pipework containment.	Seepage of nutrient laden sewage to soil and underlying groundwater impacting groundwater quality. Migration to Swan River via groundwater or overland flow, causing reduced water quality and ecosystem disturbance. Public health and amenity impacts.	A CEMP will be prepared prior to construction and will include, but is not limited to, the following controls: • Installation of a temporary bypass pump set-up to allow the pumping station to remain operational, preventing overflow, while old pumps are removed, and new pumps are installed. • There are multiple alarms in operation at all process steps to warn against potential system failures. These alarms are set off remotely at Water Corporation offices via SCADA with primary communication links or satellite backup in the event of a power shortage. Temporary equipment can be brought to the site and easily connected to the pump station temporarily until normal operation is restored. • The design of the upgraded pump station allows for the connection of a temporary portable 54 kVA generator to be used during power outages.

Emission	Sources	Potential pathways	Proposed controls
			• Water Corporation's SCADA and alarm system will allow for operators to attend the metropolitan site in time to determine a solution before overflow will reach the environment which could include bypass pumping or tankering off site until normal operations is restored. • Tankering is available in any emergency.
Odour	Current pump and valve removal. Temporary operation of bypass pump and pipework - Failure of alarm systems and/or pumps resulting in overflow. Failure of pipework containment. Testing of pumps, pipework, and new switchboard.	Air/windborne pathway causing impacts to health and amenity.	A CEMP will be prepared prior to construction and will include, but is not limited to, the following controls: • Wastewater in the facility will be located within a contained underground system near to the dry well vent. • Controls to prevent release of untreated wastewater to the environment as listed under 'discharge of raw wastewater' emissions above.
Operation			
Odour	Operation of the pump station Failure of alarm systems and/or pumps resulting in overflow. Failure of pipework containment.	Air/windborne pathway causing impacts to amenity.	The following operational controls, but not limited to, will be in place to ensure there are no unnecessary emissions of odour from the proposed upgraded PS: • Wastewater in the facility will be located within a contained underground system near to the dry well vent. • Controls to prevent release of untreated wastewater to the environment as listed under 'discharge of raw wastewater' emissions above
Noise	Operation of the pump station	Air/windborne pathway causing impacts to amenity.	• Wastewater pumping station and pipework are located in an underground, contained area; therefore noise emissions generated are reduced. • The electrical system harmonics will be in accordance with Western Power's standards. • Noise emissions from the upgraded PS will be compliant with the Environmental Protection (Noise) Regulations 1997.

Emission	Sources	Potential pathways	Proposed controls
Discharge of raw wastewater	Failure of alarm systems and/or pumps resulting in overflow. Failure of pipework containment.	Seepage of nutrient laden sewage to soil and underlying groundwater impacting groundwater quality. Migration to Swan River via groundwater or overland flow, causing reduced water quality and ecosystem disturbance. Public health and amenity impacts.	• There are multiple alarms in operation at all process steps to warn against potential system failures. These alarms are set off remotely at Water Corporation offices via SCADA with primary communication links or satellite backup in the event of a power shortage. Temporary equipment can be brought to the site and easily connected to the PS temporarily until normal operation is restored. • The design of the upgraded PS allows for the connection of a temporary portable 54 kVA generator to be used during power outages. • Water Corporation's SCADA and alarm system will allow for operators to attend the metropolitan site in time to determine a solution before overflow will reach the environment which could include bypass pumping or tankering off site until normal operations is restored. • Tankering is available in any emergency.

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 Figure 1 below provide 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 across the road to the south.	Closest residential premise is approximately 20m south (measured from cadastral boundary to premises boundary). Approximately 59m from the pumping station.
Aboriginal Heritage Sites and Places Registered Site: Swan River	Approximately 75m from prescribed premises boundary.

Environmental receptors	Distance from prescribed activity
Swan River	Approximately 75m from prescribed premises boundary.
Bush Forever Site No 331	Prescribed premises is within Bush Forever zone Site No 331.
Environmentally Sensitive Area (ESA).	The site is within an ESA.
Threatened Ecological Communities (TECs).	There are 27 TECs within 2kms of the prescribed premise. Prescribed premises is within the buffer zone of several TECs: • Banksia Woodlands of the Swan Coastal Plain community • Subtropical and Temperate Coastal Saltmarsh
Threatened flora	There is one species of threatened flora within 2kms of the prescribed premise.
Threatened fauna	Three species of threatened fauna can be found within 2km of the prescribed premise.
DBCA Legislated Lands and Waters	Alfred Cove Nature Reserve is approximately 56m from the prescribed premise boundary. The Swan Estuary Marine Park is approximately 75m from the prescribed premise boundary.
Moderate to low Acid Sulfate Soil (ASS) disturbance risk (<3 m from surface)	Within the premises boundary.
Contaminated site	The site is surrounded by land classified as a Contaminated Site – Reported Site remediated for restricted use.
RIWI Act groundwater area	Whole premises and surrounds are in the Perth Groundwater Area.

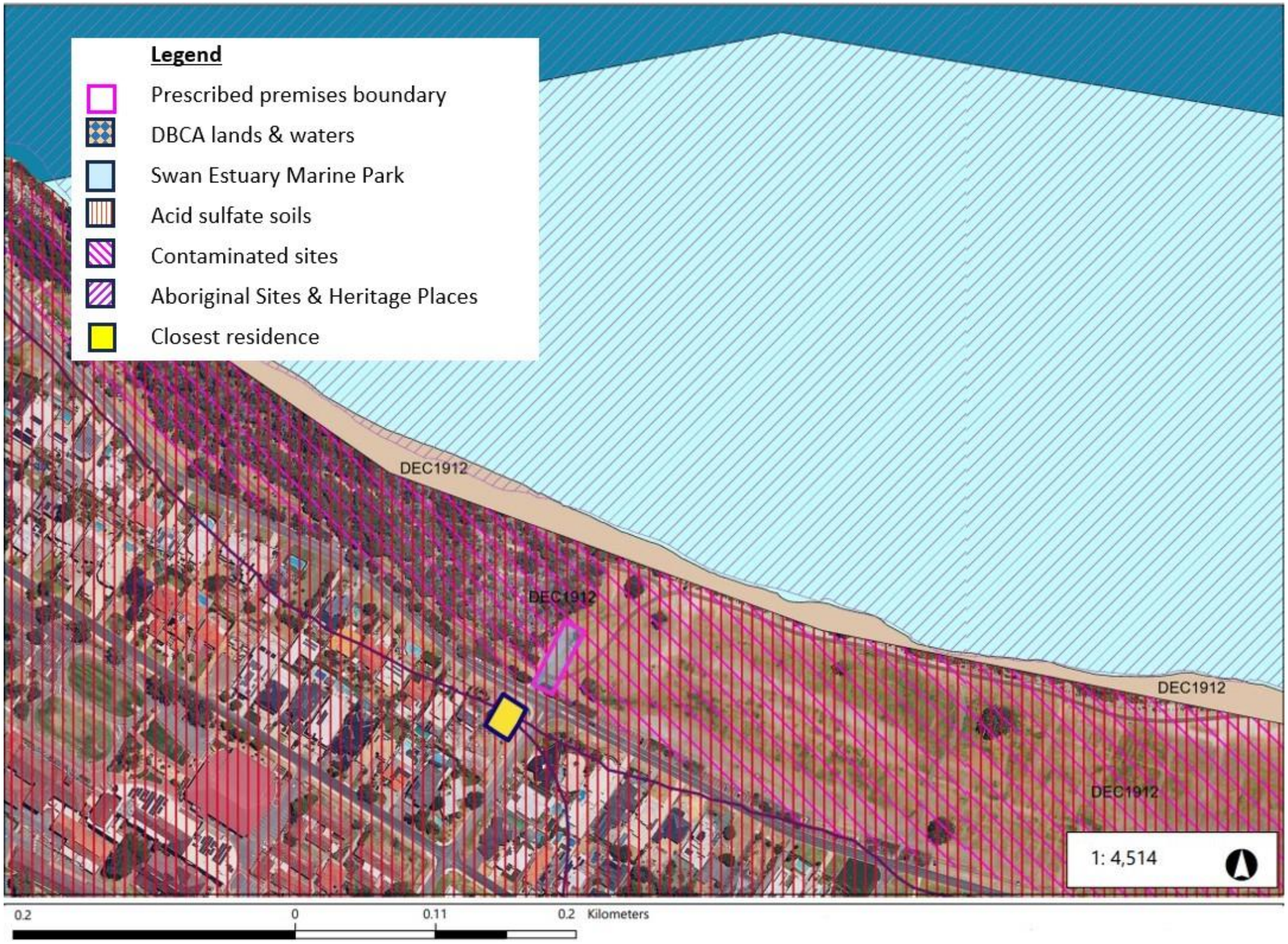

Figure 1: Distance to sensitive receptors

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 W6889/2024/1 that accompanies this decision report authorises construction and environmental commissioning only. The conditions in the issued works approval, 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 construction and operation

Risk events					Risk rating [1] C = consequence L = likelihood	Applicant controls sufficient?	Conditions [2] of works approval	Justification for additional regulatory controls
Sources / activities	**Potential emission**	**Potential pathways and impact**	**Receptors**	**Applicant controls**				
Construction								
Movement and use of machinery, equipment and bypass pumping during construction.	Noise	Air/ windborne pathway causing impacts to amenity.	Nearby residences	Refer to Section 3.1	C = Slight L = Almost certain **Medium Risk**	Y	Conditions 1, 2 & 5	The applicant has committed to having a Construction Environmental Management Plan (CEMP) which will address the potential for noise emissions and provide mitigation measures where required. The works approval specifies the minimum requirements for the CEMP to manage noise emissions. The applicant is required to adhere to the Environmental Protection (Noise) Regulations 1997.
Vehicle movement on unsealed surfaces.	Dust	Air/windborne pathway causing impacts to health and amenity.	Nearby residences	Refer to Section 3.1	C = Slight L = Unlikely **Low Risk**	Y	Conditions 1 & 2	The works approval specifies the minimum requirements for the CEMP to address the potential for dust emissions and provide mitigation measures where required.
Solid waste including packaging materials.	Litter	Air/ windborne pathway causing impacts to amenity.	Surrounding environment Swan River Nearby residences	Refer to Section 3.1	C = Slight L = Unlikely **Low Risk**	Y	Condition 1	Minimal solid waste is expected to be generated and will primarily be packing materials associated with new equipment. The applicant will ensure all solid waste generated is collected for appropriate disposal.
Current pump and valve removal. Temporary operation of bypass pump and pipework - Failure of alarm systems and/or pumps resulting in overflow. Failure of pipework containment.	Discharge of raw wastewater	Seepage of nutrient laden sewage to soil and underlying groundwater impacting groundwater quality. Migration to Swan River via groundwater or overland flow, causing reduced water quality and ecosystem disturbance. Public health and amenity impacts.	Groundwater Swan River ESA TEC Nearby residences	Refer to Section 3.1	C = Moderate L = Unlikely **Medium Risk**	N	Conditions 1, 2, **3** & **4**	The Delegated Officer considers that hydrostatic testing prior to processing of raw sewage, and daily visual inspections of infrastructure will minimise the likelihood of wastewater discharge to the environment. The CEMP will address the potential for a discharge of wastewater and provide mitigation measures where required. The Delegated Officer considers adherence to a site-specific Emergency Discharge Response Procedure (EDRP) in accordance with the Wastewater Overflow Notification and Response Procedures 2021 necessary to ensure appropriate action is taken in response to the discharge of any wastewater.
Current pump and valve removal. Temporary operation of bypass pump and pipework - Failure of alarm systems and/or pumps resulting in overflow. Failure of pipework containment. Testing of pumps, pipework and new electrical components.	Odour	Air/windborne pathway causing impacts to health and amenity.	Nearby residences	Refer to Section 3.1	C = Minor L = Possible **Medium Risk**	Y	Conditions 1, 2, **3** & **4**	The works approval specifies the minimum requirements for the CEMP to address the potential for odour emissions and provide mitigation measures where required. Tie-in works to the bypass pump set up or sewer may release odour emissions; however, the odour will be temporary and localised. Existing pumps, fittings and pipework, and bypass pumps, are located below ground therefore, during construction and bypass set up operation, odour emissions will be contained within the pumping station building, providing the inlet access chamber remains sealed when not in use and providing there is no discharge to the environment. The Delegated Officer considers hydrostatic testing prior to processing of raw sewage and daily visual inspections of infrastructure will reduce the likelihood of odour emissions resulting from wastewater discharge to the environment. Current emergency procedures such as alarms, inspections and emergency overflow procedures are adequate to contain untreated wastewater in most circumstances. The provision of the CEMP will provide assurance that measures are in place to mitigate emissions should an emergency discharge event occur, releasing odour emissions.

Risk events					Risk rating [1] C = consequence L = likelihood	Applicant controls sufficient?	Conditions [2] of works approval	Justification for additional regulatory controls
Sources / activities	**Potential emission**	**Potential pathways and impact**	**Receptors**	**Applicant controls**				
Operation								
Operation of the pump station	Noise	Air/windborne pathway causing impacts to amenity.	Nearby residences	Refer to Section 3.1	C = Minor L = Unlikely **Medium Risk**	Y	N/A	Emissions of noise are considered to be adequately regulated under the Environmental Protection (Noise) Regulations 1997.
Failure of alarm systems and/or pumps resulting in overflow. Failure of pipework containment.	Discharge of raw wastewater	Seepage of nutrient laden sewage to soil and underlying groundwater impacting groundwater quality. Migration to Swan River via groundwater or overland flow, causing reduced water quality and ecosystem disturbance. Public health and amenity impacts.	Groundwater Swan River ESA TEC Nearby residences	Refer to Section 3.1	C = Moderate L = Unlikely **Medium Risk**	N	Conditions **3, 4,** 6 & 7	Conditions 3 and 4 ensure that a fit-for-purpose EDRP is available to be implemented in the event of an emergency overflow. The EDRP is to address the siting of the premises with regard to public open space and nearby residences. Conditions 6 and 7 ensure that the applicant reports on the construction and design standards of the WWPS for compliance and validation purposes. Current emergency procedures such as alarms and inspections are adequate to contain untreated wastewater in most circumstances. The Delegated Officer considers adherence to a site-specific EDRP in accordance with the Wastewater Overflow Notification and Response Procedures 2021 necessary to ensure appropriate action is taken in response to the discharge of any wastewater.
Failure of alarm systems and/or pumps resulting in overflow. Failure of pipework containment.	Odour	Air/windborne pathway causing impacts to amenity.	Nearby residences	Refer to Section 3.1	C = Minor L = Possible **Medium Risk**	Y	Condition 5, 6 & 7	Current emergency procedures such as alarms and inspections are adequate to contain untreated wastewater in most circumstances. Odour emissions are expected to be confined to the premises underground. Access chamber is sealed when works and maintenance activities are not taking place.

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.

4. 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 29/02/2024 – 22/03/2024.	No comments received.	N/A
Local Government Authority advised of proposal on 7/03/2024.	The City of Melville responded on 26/03/2024 expressing concern about the potential for discharge of wastewater to the Swan River but were satisfied the measures outlined are sufficient to minimise risk of spill. The City asked for a condition to ensure compliance.	The works approval will ensure the construction and operation commitments are adhered to.
DBCA advised of proposal on 7/03/2024.	DBCA responded on 22/03/2024 advising Water Corp had applied for a permit to carry out the works which are within the Development Control Area as defined under the Swan and Canning River Management (SCRM) Act 2006. The permit has been granted.	The department requested a copy of the permit on 22/03/2024. A copy was received on 25/03/2024.
Applicant was provided with draft documents on 26/03/2024.	Comments received 03/04/2024. Refer to Appendix 1.	Refer to Appendix 1.

5. 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 Environmental Regulation (DER), July 2015. *Guidance Statement: Regulatory principles*. Perth, Western Australia. Accessed at: www.wa.gov.au
2. Department of Environment Regulation (DER), October 2015. *Guidance Statement: Setting Conditions*, Perth, Western Australia. Accessed at: www.wa.gov.au
3. DWER, June 2019. Guideline: Decision Making. Perth, Western Australia. Accessed at www.wa.gov.au
4. DWER, June 2019. *Guideline: Industry Regulation Guide to Licensing*. Perth, Western Australia. Accessed at www.wa.gov.au
5. DWER December 2020, *Guideline: Environmental Siting*, Perth, Western Australia. Accessed at: www.wa.gov.au
6. DWER December 2020, *Guideline: Risk Assessments*, Perth, Western Australia. Accessed at: www.wa.gov.au

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

Condition	Summary of applicant's comment	Department's response
Condition 1	Requested to reword Condition 1 from "works approval holder must submit a Construction Environmental Management Plan (CEMP) to the CEO a minimum of 30 days prior to construction activities commencing" to "works approval holder must submit a Construction Environmental Management Plan (CEMP) prior to construction activities commencing". Given the current condition of the pumps, it would be preferable to replace them on the pre-booked date of the 08/04/2024, to avoid the risk of undertaking emergency repairs if the pumps failed.	The Delegated Officer accepts this change as per the applicant's request and does not foresee any change to the risk profile in this instance.
Condition 5, Table 1, (3)(b)	Requested to remove condition about an alarm for emergency storage tanks as there are no such tanks. In the unlikely event of the system failing, each pump failing will trigger respective pump failure alarms, as well as the standby alarm which is triggered when the level in the well reaches a certain height. Should the well fill up and begin overflowing into the inlet chamber it will trigger another high-level alarm. The inlet chamber itself also has an alarm triggered at half full, and a final alarm for reaching capacity and overflowing into the environment. Should any of the alarms be triggered, the team will be immediately alerted and response teams will be able to bring emergency submersible pumps in to drain the pit. Requested to amend subsequent conditions in Table 1 (3)(b) to reword "overflow tanks" to "inlet chamber".	The Delegated Officer accepts this change and notes in the event of an emergency discharge the applicant's SCADA alarm system will immediately alert emergency response teams to attend the site and action as necessary. A site-specific Emergency Discharge Response Procedure is also required to be submitted to the Department prior to operation of the infrastructure as per conditions in the works approval.
Condition 5, Table 1, (4)(d)	Requested to amend "new switchboards to be installed on a platform height of RL2.2m (or 1.1m above ground level)" to "new switchboards to be installed at ground level". The applicant had been advised by DBCA to minimise affects to amenity. As the unit is sizeable, it would likely cause issues with the local government, DBCA, and the local community if it was installed above ground level.	The Delegated Officer accepts this change and notes that in the event of an emergency overflow, the Water Corporation should ensure all electrical components are inspected to ensure they are not damaged and are in working condition.

Appendix 2: Application validation summary

SECTION 1: APPLICATION SUMMARY (as updated from validation checklist)		
Application type		
Works approval	☒	
Date application received		16/01/2024
Applicant and premises details		
Applicant name/s (full legal name/s)		Water Corporation
Premises name		Roberts Road Wastewater Pump Station
Premises location		Reserve No 41500 Roberts Road, Attadale, WA, 6156
Local Government Authority		City of Melville
Application documents		
HPCM file reference number:		DER2024/000025
Key application documents (additional to application form):		CS23752 Attadale Roberts Rd Renew SB to Surface Supporting Information November 2023
Scope of application/assessment		
Summary of proposed activities or changes to existing operations.		Roberts Road is a dry well annulus wastewater pump station within the Attadale sewer district. Both pumps at this pump station are near end of life. The pumps have been assessed and are in a very poor condition, expected to fail soon. Water Corp has submitted a works approval application to upgrade the pump station. The upgrade includes the removal of existing pumps and the installation of two new submersible dry-mount pumps. Both pumps will have a target flow rate of 8.5 L/s against the current flow rate of 6.1 L/s. The pipework and valves on the delivery side of the pumps will be replaced with stainless steel new pipework and DI valves up to the manifold and within the dry well. The existing bell mouth will be replaced with a new one. The existing belowground switchboard will be replaced with a new aboveground switchboard and SCADA upgrade. The mechanical replacement will take place in the first stage. The mechanical upgrade will require a bypass pump setup to maintain pump station operability during installation. The electrical upgrade will happen after testing and a proven period of the new pumps. A portable generator and contingency plan will take place during the electrical upgrade. There will be no excavation of soil or dewatering required for the project. The team will use existing entry pits to gain access to the pump station, per the new general arrangement of the pump house. Construction of the mechanical upgrade is anticipated to start in the first half of 2024 and is expected to take approximately 6 weeks. Commissioning of the upgraded work may take 1-2 weeks following the completion of construction works. The electrical upgrade is planned to take place in September 2024.

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

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

Table 1: Prescribed premises categories

Prescribed premises category and description	Proposed production or design capacity
Category 85A: Sewerage pumping station: premises on which sewerage is pumped (other than to or from septic tanks) and where a discharge of waste from the station may enter the Swan or Canning River.	Not applicable

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: Managed under Part V ☐ Assessed under Part IV ☐
Does the applicant hold any existing Part IV Ministerial Statements relevant to the application?	Yes ☐ No ☒	Ministerial statement No: 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 ☒ General lease ☐ Expiry: Mining lease / tenement ☐ Expiry: Other evidence ☐ Expiry:
Has the applicant obtained all relevant planning approvals?	Yes ☐ No ☐ N/A ☒	Approval: Expiry date: If N/A explain why? The site is located within the Swan Canning Development Control Area (DCA), however all activities will be within the premises boundary, and as per the Swan and Canning Rivers Management Regulations 2007 section 4(b), the proposed works are part of repairs and/ or maintenance of an existing structure which are not related to a change of use of any part of the structure and do not alter he structure's function or appearance. Therefore, the works do not constitute development.
Has the applicant applied for, or have an existing EP Act clearing permit in relation to this proposal?	Yes ☐ No ☒	CPS No: N/A No clearing is proposed.

SECTION 1: APPLICATION SUMMARY (as updated from validation checklist)		
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 Licence/permit No: N/A 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: Licence/permit No: 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 Type: N/A Has Regulatory Services (Water) been consulted? Yes ☐ No ☐ N/A ☒ Regional office: N/A
Is the Premises situated in a Public Drinking Water Source Area (PDWSA)?	Yes ☐ No ☒	Name: N/A Priority: N/A Are the proposed activities/ landuse compatible with the PDWSA (refer to WQPN 25)? 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 ☐	Environmental Protection (Noise) Regulations 1997. Environmental Protection (Unauthorised Discharges) Regulations 2004.
Is the Premises within an Environmental Protection Policy (EPP) Area?	Yes ☐ No ☒	
Is the Premises subject to any EPP requirements?	Yes ☐ No ☒	
Is the Premises a known or suspected contaminated site under the *Contaminated Sites Act 2003*?	Yes ☐ No ☒	Site is surrounded by land classified as Contaminated Site - Remediated for restricted use. Classification: N/A Date of classification: N/A