



Application for Works Approval

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

Works Approval Number	W6878/2024/1
Applicant	Water Corporation
File number	DER2023/000702
Premises	Hyland Street Waste Water Pump Station 42 Hyland Street BASSENDEAN WA 6054 Legal description - Lot 50 on Diagram 11332 Certificate of Title Volume 1069 Folio 768 As defined by the coordinates in Schedule 2 of the works approval
Date of report	7 June 2024
Proposed Decision	Works approval granted

Grace Heydon

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	4
3.2 Risk ratings	9
4. Consultation	14
5. Conclusion	14
References	14
Appendix 1: Summary of applicant’s comments on risk assessment and draft conditions	15
Appendix 2: Application validation summary	16
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 commissioning	10
Table 4: Consultation	14
Figure 1: Distance to sensitive receptors	7
Figure 2: Distance to sensitive receptors – Department of Planning, Lands and Heritage (DPLH) Aboriginal Sites and Department of Biodiversity, Conservation and Attractions (DBCA) Legislated Land and Waters	8

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 W6878/2024/1 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 3 November 2023, 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 Hyland Street Waste Water Pump Station (the premises). The premises is situated within a residential area in the Town of Bassendean, approximately 10 km northeast 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 W6878/2024/1. 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 W6878/2024/1.

The two pumps currently in operation at the premises are in poor condition, are nearing failure, and require replacing. The current pumps will be replaced with dry well submersible pumps with suction discharge and non-return Ductile Iron (DI) valves. Associated pipework, valves and connections will also be upgraded. The pumps will each have a flow capacity of 58.7 L/s. The upgrade will enable temporary bypass pumping and portable generator connection, to ensure the pumping station remains operational in the case of pump and / or electricity failure.

Bypass pumps will be set up temporarily to allow the pumping station to remain operational while the current pumps are removed, and new pumps and pipework are installed. The bypass pump set-up will operate from the existing switchboard and emergency alarms will be in place during operation.

Construction is expected to begin in the second half of 2024 and works are expected to occur for 6 weeks. Environmental commissioning is expected to be one to two weeks duration and will include testing of pump flows, pressures and pipework integrity.

Water Corporation holds a current Registration R1201/1996/1 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 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			
Untreated wastewater	Overflow of wastewater emergency storage tanks due to bypass install equipment malfunction	Migration to soil, groundwater or surface water	<p>A temporary bypass pump set-up allows the pumping station to remain operational, preventing overflow, while old pumps are removed and new pumps are installed.</p> <p>The bypass install will be connected to Water Corporation's SCADA multiple alarm system to alert operators of:</p> <ul style="list-style-type: none"> • pump failures; • exceedance of trigger levels within the dry well; • overflow of wastewater into the inlet chamber; • wastewater flow into emergency storage overflow tanks; • half full emergency storage overflow tanks; and • full emergency storage overflow tanks. <p>In the event that alarms are activated, temporary measures are employed to prevent overflow to the environment. This may include the use of equipment such as portable generators and mobile pumps, which can be assembled on-site as replacements and / or using tankers to transport wastewater off-site while operations are restored. Alarms allow time for operators to rapidly respond and formulate a solution to malfunctions before overflow to the environment occurs.</p> <p>Water Corporation's Design Standard <i>DS 51 – The Design and Construction of Wastewater Pumping Stations and Pressure Mains</i> and Design Standard <i>DS 65 – Pipe Fittings and Standard Drawings</i> ensure construction quality assurance.</p>

Emission	Sources	Potential pathways	Proposed controls
Odour	Untreated wastewater due to removal of pumps, valves and pipework	Air / windborne pathway	<p>Controls to prevent release of untreated wastewater to the environment as listed under 'untreated wastewater' emissions above.</p> <p>Wastewater pumping station, pipework and emergency storage are located in an underground, contained area.</p>
Noise	<p>Vehicle movements</p> <p>Bypass pumping</p> <p>Power tools</p>	Air / windborne pathway	<p>Contractor to prepare and implement a <i>Construction Environmental Management Plan</i> (CEMP) to include the following controls:</p> <ul style="list-style-type: none"> – Construction activities limited to 7 am to 5 pm Monday to Saturday. Night construction will only occur when tie-in to the sewer system is required; – noise controls on equipment and vehicles will be as quiet as reasonably practicable; – regular machinery, equipment and vehicle inspections and maintenance; – bypass pumping system to be installed in the Inlet Access Chamber to reduce noise levels; – pre-cast pipes and constructed pumps reduce noise exposure on-site; – preparation of a <i>Bypass Noise Management Plan</i> to be reviewed by the Town of Bassendean; – compliance with <i>Environmental Protection (Noise) Regulations 1997</i>; – recording and reporting of noise complaints in the Annual Environmental Report (AER); and – contractor adherence to section 4 and section 6 of <i>AS2436-2010 Guide to noise and vibration control on construction, demolition and maintenance sites (Reconfirmed 2016)</i> (Standards Australia, 2010) when conducting works.
Dust	Vehicle movements	Air / windborne pathway	<p>Wetting stockpiles and unsealed surfaces.</p> <p>Preparation of a <i>Construction Environmental Management Framework (CEMF)</i> and <i>Construction Environmental Management Plan (CEMP)</i> before commencement of works to address management of dust emissions.</p>
Operation			
Odour	Untreated wastewater	Air / windborne pathway	<p>No controls proposed.</p> <p>Wastewater pumping station, pipework and emergency storage located in an underground, contained area; therefore, any odour emissions generated are confined.</p>

Emission	Sources	Potential pathways	Proposed controls
Noise	Pump station operation Vehicle movements	Air / windborne pathway	Regular inspection and maintenance of the pump station, vehicles and equipment. Wastewater pumping station, pipework and emergency storage are located in an underground, contained area; therefore, noise emissions generated are reduced. Compliance with <i>Environmental Protection (Noise) Regulations 1997</i> .
Untreated wastewater	Overflow of wastewater emergency storage tanks due to equipment malfunction	Migration to groundwater or surface water	Multiple alarm systems to alert operators of: <ul style="list-style-type: none"> • pump failures; • exceedance of trigger levels within the dry well; • overflow of wastewater into the inlet chamber; • wastewater flow into emergency storage overflow tanks; • half full emergency storage overflow tanks; and • full emergency storage overflow tanks <p>In the event that alarms are activated, temporary measures are employed within one hour to prevent overflow to the environment. This may include the use of equipment such as portable generators and mobile pumps which can be assembled on-site as replacements and/or using tankers to transport wastewater off-site while operations are restored.</p> <p>Alarms allow time for operators to rapidly respond and formulate a solution to malfunctions before overflow to the environment occurs.</p> <p>Emergency storage tanks have a 266.752 m³ capacity, which provides approximately 4 hours of emergency storage.</p> <p>Regular inspections to detect issues and ensure station infrastructure is well maintained.</p> <p>Preparation of a <i>Construction Environmental Management Framework (CEMF)</i> and <i>Construction Environmental Management Plan (CEMP)</i> before commencement of works to address controls and construction risks.</p>
	Loss of containment		Testing of pipework to detect leaks. Testing of pump flows and pressures and monitoring of new pumps for the first 5 to 6 hours of operation allow for immediate detection and resolution of leaks or defects.

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, Figure 1 and Figure 2 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

Environmental receptors	Distance from prescribed activity
<p>Bindaring Park</p> <ul style="list-style-type: none"> - Zoned Parks and Recreation. Currently undergoing restoration. Priority 3 Threatened Ecological Community exists within Bindaring Park. - Wetlands within Bindaring Park listed under 'Geomorphic Wetlands of the Swan Coastal Plain' 	<p>The western border of the park boundary is adjacent to the eastern border of the prescribed premises.</p> <p>Note: Drainage from the pump station and surrounding residential area flows into Bindaring Park Wetland. A small creek connects the lake to the Swan River (Bamford Consulting Ecologists, 2017).</p>
<p>Geomorphic Wetlands of the Swan Coastal Plain</p> <p>Note: The depth to groundwater at the site is approximately 0.62 to 1.36 mbgl and the premises is within a <i>Rights in Water and Irrigation Act 1914</i> (RIWI Act) Perth Groundwater</p>	<p>Wetlands within Bindaring Park (measured from the prescribed premises boundary to the nearest wetland boundary):</p> <ul style="list-style-type: none"> - Conservation category sumpland 26 m east - Multiple use sumpland 55 m north-northeast - Multiple use floodplain 87 m north-northeast - Bindaring Park Wetland (resource enhancement floodplain) 245 m east-southeast <p>Pickering Park Wetland (multiple use floodplain) 416 m south-southeast (measured from the south-eastern corner of the prescribed premises boundary to the western wetland boundary).</p>
<p>Priority 3 Threatened Ecological Community (TEC)</p>	<p>TEC exists within Bindaring Park, adjacent to the premises. The premises is located within the 200 m TEC buffer zone.</p>
<p>Pickering Park</p> <ul style="list-style-type: none"> - Recreational area and wetland 	<p>416 m southeast (measured from the southeastern corner of the premises boundary to the western boundary of Pickering Park).</p>
<p>Swan River Estuary</p> <ul style="list-style-type: none"> - Department of Biodiversity, Conservation and Attractions (DBCA) Legislated Waters – <i>Swan and Canning Rivers Management Act 2006</i> - River Reserve vested with Swan River Trust for the purpose of landscape protection - Geomorphic wetland of the Swan Coastal Plain (conservation category estuary) and listed as a DBCA important wetland 	<p>562 m southeast (measured from the southeastern corner of the prescribed premises boundary to the closest Swan River Estuary boundary).</p>

Human receptors	Distance from prescribed activity
<p>Residential Premises</p> <p>Note: The prescribed premises is within the suburb of Bassendean and is surrounded by residential properties</p>	<p>Closest residential properties (measured from prescribed premises boundary to cadastral boundary of residential premises):</p> <ul style="list-style-type: none"> – Adjacent to the west of premises and approximately 5 m from the pumping station building – Immediately adjacent to the north of the premises and approximately 39 m north of the pumping station building – 20 m south and approximately 23 m from the pumping station building – 70 m east and approximately 82 m from the pumping station building
<p>Aboriginal Heritage Sites and Places:</p> <ul style="list-style-type: none"> – Helena River Place ID: 3758 Significance: Ceremonial, mythological and repository / cache – Swan River Place ID: 3536 Significance: Mythological – Bennett Brook Camp Area Place ID: 3840 Significance: Artefacts / scatter, ceremonial, fish trap, historical, man-made structure, mythological, skeletal material / burial camp, hunting place, plant resource, water source 	<p>Helena River Site 150 m east (measured from the eastern prescribed premises boundary to the western site boundary).</p> <p>Swan River Site 510 m southeast (measured from the southeastern corner of the prescribed premises boundary to the closest western site boundary).</p> <p>Bennett Brook Camp Area Site 550 m north (measured from the northern prescribed premises boundary to the southern site boundary).</p> <p>Note: Aboriginal Heritage – Whadjuk People Registered Indigenous Land Use Agreement (ILUA) within and surrounding premises.</p>

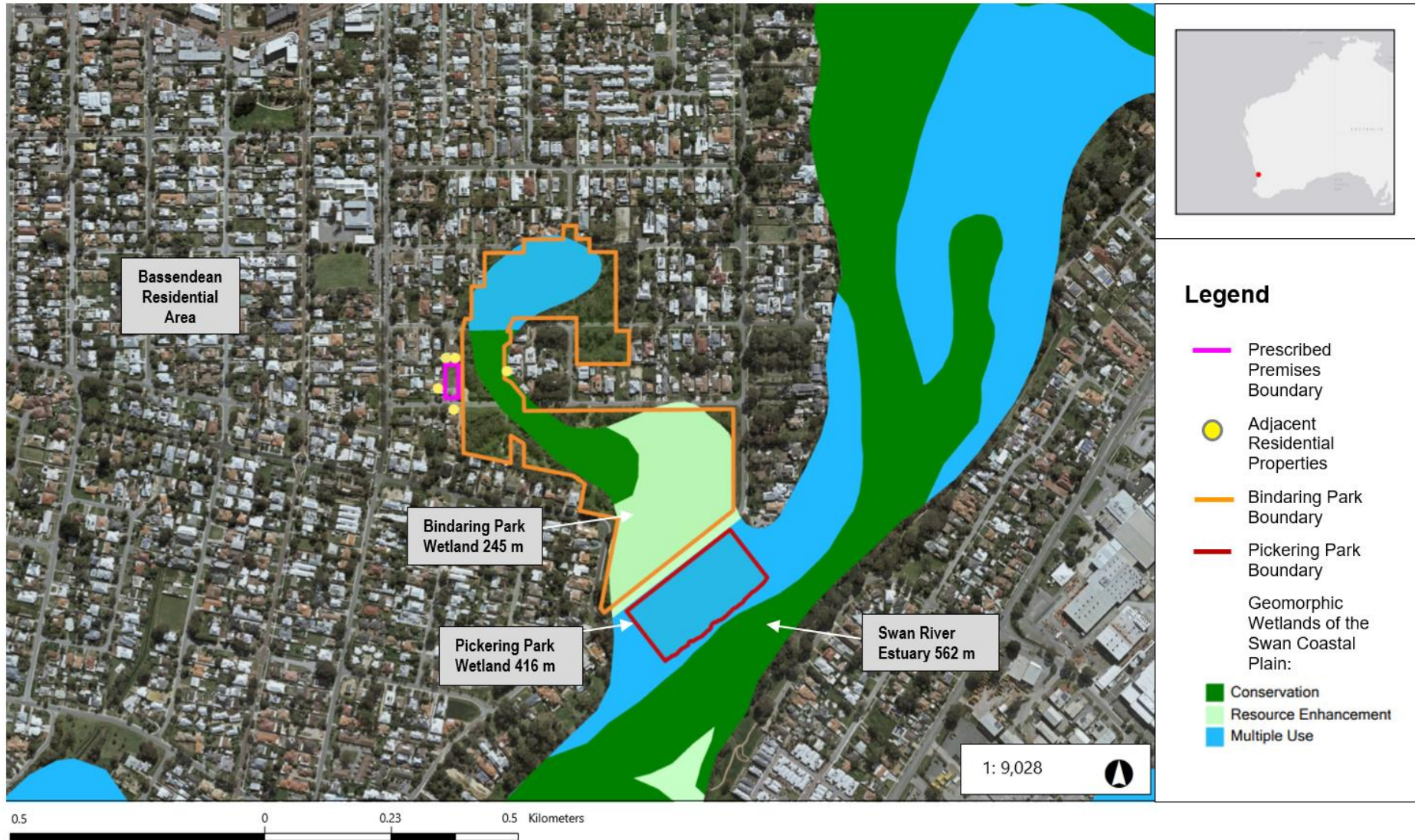


Figure 1: Distance to sensitive receptors



Figure 2: Distance to sensitive receptors – Department of Planning, Lands and Heritage (DPLH) Aboriginal Sites and Department of Biodiversity, Conservation and Attractions (DBCAs) Legislated Land and Waters

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 W6878/2024/1 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 commissioning

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								
Vehicle movements on unsealed surfaces	Dust		Bassendean residents (closest adjacent west and north, 20 m south and 70 m east).	Refer to Section 3.1	C = Slight L = Unlikely Low Risk	Y	N/A	The Delegated Officer considers dust emissions associated with vehicle movements to be minimal and adequately regulated by the general provisions of the EP Act, given the limited duration of works.
Bypass pump operation Pump installation and removal Vehicle movements Operation of power tools, equipment and machinery	Noise	Air / windborne pathway causing impacts to health and amenity	Helena River Aboriginal Heritage Site 150 m east Bindaring Park immediately adjacent to the east (recreational impacts)	Refer to Section 3.1	C = Minor L = Possible Medium Risk	Y	Condition 4	Given that construction / installation will occur between 7 am and 5 pm Monday to Saturday (with the exception of tie-in works) and that the duration of construction will not exceed 6 weeks, the <i>Construction Environmental Management Plan (CEMP)</i> and the <i>Environmental Protection (Noise) Regulations 1997</i> are deemed sufficient to manage noise emissions.
Pump, pipework and valve removal / installation Temporary operation of bypass pump and pipework - Failure of alarm systems and/or pumps resulting in overflow Failure of pipework / storage containment	Unintended release of untreated wastewater to the environment	Seepage of nutrient laden sewage through the soil and into groundwater (~0.62 to 1.36 mbg/l) impacting surrounding wetland vegetation. Migration to surface water bodies via groundwater or overland flow, causing reduced water quality and ecosystem disturbance.	Geomorphic Wetlands of the Swan Coastal Plain (closest conservation category wetland 26 m east) Bindaring Park immediately adjacent to the east and TEC's within Bindaring Park Swan River Estuary 562 m southeast Helena River Aboriginal Heritage Site 150 m east	Refer to Section 3.1	C = Moderate L = Unlikely Medium Risk	Y	Conditions 1, 2, 3 & 4	The Delegated Officer considers that hydrostatic testing of the bypass pump prior to processing of raw sewage, and daily visual inspections of infrastructure will minimise the likelihood of wastewater discharge to the environment. Current emergency procedures such as alarms, inspections and emergency overflow infrastructure 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.

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				
	Odour	Air/windborne pathway causing impacts to health and amenity	Bassendean residents (closest adjacent west and north, 20 m south and 70 m east). Helena River Aboriginal Heritage Site 150 m east Bindaring Park immediately adjacent to the east (recreational impacts)	Refer to Section 3.1	C = Minor L = Possible Medium Risk	Y	Conditions 3 & 4	<p>Tie-in works to the bypass pump set up or sewer may release odour emissions; however, the odour will be temporary and localised.</p> <p>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.</p> <p>The Delegated Officer considers hydrostatic testing of the bypass pump 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.</p> <p>Current emergency procedures such as alarms, inspections and emergency overflow infrastructure 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.</p>

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								
Vehicle movements on unsealed surfaces	Dust	Air / windborne pathway causing impacts to health and amenity	Bassendean residents (closest adjacent west and north, 20 m south and 70 m east).	Refer to Section 3.1	C = Slight L = Rare Low Risk	Y	N/A	The Delegated Officer considers dust emissions associated with vehicle movements to be adequately managed by the <i>Construction Environmental Management Plan (CEMP)</i> and adequately regulated by the general provisions of the EP Act, given the low risk and limited duration of works.
Vehicle movements Implementation of emergency response activities (if required)	Noise		Helena River Aboriginal Heritage Site 150 m east Bindaring Park immediately adjacent to the east (recreational impacts)		C = Minor L = Unlikely Low Risk		Conditions 7 & 8	Given that vehicle movements will be limited to site inspections, maintenance and emergency response activities (as required) and that pumps are located below ground, the <i>Environmental Protection (Noise) Regulations 1997</i> are deemed sufficient to manage noise emissions during operations.
Failure of alarm systems and/or pumps resulting in overflow Failure of pipework / storage containment	Unintentional release of untreated wastewater to the environment	Seepage of nutrient laden sewage through the soil and into groundwater (-0.62 to 1.36 mbgl) impacting surrounding wetland vegetation. Migration to surface water bodies via groundwater or overland flow, causing reduced water quality and ecosystem disturbance.	Geomorphic Wetlands of the Swan Coastal Plain (closest conservation category wetland 26 m east) Bindaring Park immediately adjacent to the east and TEC's within Bindaring Park Swan River Estuary 562 m southeast Helena River Aboriginal Heritage Place 150 m east	Refer to Section 3.1	C = Moderate L = Rare Medium Risk	Y	Conditions 1, 2 and 3	The Delegated Officer considers that pump leak and pressure testing prior to processing of raw sewage, and daily visual inspections of infrastructure will minimise the likelihood of wastewater discharge to the environment. Current emergency procedures such as alarms, inspections and emergency overflow infrastructure are adequate to contain untreated wastewater in most circumstances. The total emergency storage volume of pump station emergency storage tanks is 266.752 m ³ , which provides approximately 4 hours of emergency storage allowing time to detect and resolve pump station faults or time to remove wastewater off-site to a licensed facility if faults are unable to be resolved within 4 hours. The provision of the CEMP will provide assurance that measures are in place to mitigate emissions should an emergency discharge event occur and implementation of the Wastewater Overflow Response Procedure outlined in condition 3, will minimise impacts resulting from overflow of the emergency storage tanks.

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				
	Odour	Air / windborne pathway causing impacts to health and amenity	Bassendean residents (closest adjacent west and north, 20 m south and 70 m east). Helena River Aboriginal Heritage Site 150 m east Bindaring Park immediately adjacent to the east (recreational impacts)	Refer to Section 3.1	C = Minor L = Unlikely Low Risk	Y	Conditions 1, 2, 3 and 4	Upgraded pumps, fittings and pipework are located below ground; therefore during normal operation, odour emissions will be contained within the pumping station building, providing there is no discharge of untreated wastewater to the environment. The Delegated Officer considers daily visual inspections of infrastructure will minimise the likelihood of wastewater discharge to the environment caused by loss of containment of untreated wastewater. Current emergency procedures such as alarms, inspections and emergency overflow infrastructure 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. The total emergency storage volume of pump station emergency storage tanks is 266. 752 m ³ , which provides approximately 4 hours of emergency storage, allowing time to detect and resolve pump station faults or to remove wastewater off-site before discharge to the environment occurs; therefore, mitigating odour emissions.

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 22/01/24	Comment period ended 9/02/24. No comments received.	N/A
Local Government Authority (Town of Bassendean) advised of proposal on 22/1/24	The Town of Bassendean replied on 6/02/2024 stating no objections to the proposed works and confirming that the works do not require planning approval as they are considered 'public works'.	Noted
Applicant provided with draft works approval on 20/2/24	The 21-day comment period ended on 15/03/24 and no comments were received from the applicant. DWER contacted the applicant to clarify premises details (as requested in the works approval draft) and the application was put on stop the clock until the information was received. Comments on the draft were provided with clarification of premises details on 23/05/24. 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. Bamford Consulting Ecologists 2017, *Bindaring Park Bassendean – Fauna Assessment*, Perth, Western Australia.
2. Department of Environment Regulation (DER) 2015, *Guidance Statement: Setting Conditions*, Perth, Western Australia.
3. Department of Water and Environmental Regulation (DWER) 2020, *Guideline: Environmental Siting*, Perth, Western Australia.
4. DWER 2020, *Guideline: Risk Assessments*, 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 4, item 6	<p>The cost and resources required to comply with this condition is prohibitive as potable water needs to be delivered to site for a 24-hour duration. The standard procedure is to pressure test new pumps using the existing sewer main line.</p> <p>The bypass pump will remain connected for the duration of environmental commissioning and if trigger levels are reached due to pump dysfunction or failure, flow will be automatically diverted from the new pumps to the bypass pump.</p> <p>New pumps will be monitored directly for the initial 5-6 hours of operation and will be monitored by the SCADA alarm system 24 hours a day, seven days a week thereafter.</p> <p>The SCADA alarm monitoring team will respond to any alarm triggers accordingly and in a timely manner. If required, overflowed wastewater within the chamber will be tankered off site, before emergency storage capacity is reached, while defects are resolved.</p>	<p>The Delegated Officer considers the bypass pump diversion contingency, pressure testing, initial monitoring of the newly installed pump and the SCADA alarm system acceptable to mitigate environmental and public health impacts resulting from leaks or spills of untreated wastewater; therefore, condition 4, item 6 has been amended to 'FLYGT model pumps must be pressure tested prior to operation and any defects to be resolved'.</p>
N/A Premises name	The premises name is confirmed as Hyland Street Waste Water Pump Station.	Noted and amended.
N/A Applicant advised that the address in application documents is Lot 192 Hyland Street but legal description is Lot 50 on Diagram 11332 and street address is 42 Hyland Street.	Noted that Lot 50 Hyland St. Bassendean, Diagram 11332 is the address.	Noted.
N/A Commencement / completion date	Expected to be second half of 2024, depending on completion of other works and delays.	Noted and amended.

Appendix 2: Application validation summary

SECTION 1: APPLICATION SUMMARY	
Application type	
Works approval	<input checked="" type="checkbox"/>
Date application received	3/11/23
Applicant and Premises details	
Applicant name/s (full legal name/s)	Water Corporation
Premises name	Hyland St Waste Water Pump Station
Premises location	42 Hyland Street, Bassendean WA 6054 Legal description (Landgate) – Lot 50 on Diagram 11332 Title ID 1069/68
Local Government Authority	Town of Bassendean
Application documents	
HPCM file reference number:	DER2023/000702
Key application documents (additional to application form):	CS24584 Hyland Street WWPS Pump Renewal Supporting Information November 2023
Scope of application/assessment	
Summary of proposed activities or changes to existing operations.	<p>Two pumps currently used at the station are in poor condition, are nearing failure and require replacing. The applicant proposes to replace them with dry mount submersible pumps (FLYGT model NT3202.185HT), with suction discharge and non-return Ductile Iron (DI) valves. The pumps will each have a flow capacity of 58.7 L/s and are to be located within the dry well.</p> <p>Minor modification of internal pipework and valves is proposed. Mild Steel Cement Lined (MSCL) pipework will be manufactured and installed along with a temporary bypass install. Additional emergency storage pipes will be located immediately adjacent to the existing storage pipes that are located within the pumping station.</p> <p>Bypass pumps will be set up temporarily to allow the pump station to remain operational while the current pumps are removed and new pumps and pipework are installed. Bypass pumps will run off the existing switchboard and operating alarms will be operational during the bypass. Pipework associated with the bypass install will be located above ground.</p> <p>No soil excavation or dewatering is proposed as all works will occur within the pump station, which will be accessed through existing entry pits.</p> <p>Construction is expected to begin in the second half of 2024 and commissioning is expected to be 1 to 2 weeks in duration. Commissioning will include testing of pump flows, pressures and pipework integrity.</p>

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: Sewage pumping station: on which sewage is pumped (other than to or from septic tanks) and where a discharge of waste from the station may enter the Swan River or the 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 <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 type="checkbox"/> No <input checked="" type="checkbox"/>	Reference No:
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: Note: The Certificate of Title is dated 1940. The registered proprietor (Water Corporation) was updated and stamped on the certificate in 1996. No expiry date evident.
Has the applicant obtained all relevant planning approvals?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	Approval: Expiry date: If N/A explain why? Development approval not required as all activities will be within the premises boundary and the site does not fall under the Swan and Canning River Development Control Area.
Has the applicant applied for, or have an existing EP Act clearing permit in relation to this proposal?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	CPS No: N/A 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 checked="" type="checkbox"/>	Application reference No: N/A Licence/permit No: N/A No clearing is proposed.

<p>Has the applicant applied for, or have an existing RIWI Act licence or permit in relation to this proposal?</p>	<p>Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p>	<p>Application reference No: N/A Licence/permit No: N/A Licence / permit not required.</p>
<p>Does the proposal involve a discharge of waste into a designated area (as defined in section 57 of the EP Act)?</p>	<p>Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p>	<p>Name: N/A Type: N/A Has Regulatory Services (Water) been consulted? Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/> Regional office: N/A</p>
<p>Is the Premises situated in a Public Drinking Water Source Area (PDWSA)?</p>	<p>Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p>	<p>Name: N/A Priority: N/A Are the proposed activities/ landuse compatible with the PDWSA (refer to <u>WQPN 25</u>)? Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/></p>
<p>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>)</p>	<p>Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p>	<p><i>Environmental Protection (Noise) Regulations 1997</i> <i>Environmental Protection (Unauthorised Discharges) Regulations 2004</i></p>
<p>Is the Premises within an Environmental Protection Policy (EPP) Area?</p>	<p>Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p>	<p>N/A</p>
<p>Is the Premises subject to any EPP requirements?</p>	<p>Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p>	<p>N/A</p>
<p>Is the Premises a known or suspected contaminated site under the <i>Contaminated Sites Act 2003</i>?</p>	<p>Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p>	<p>Classification: N/A Date of classification: N/A</p>