Application for Works Approval

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

Works Approval Number	W6448/2020/1
Applicant	Water Corporation
ACN	28 003 434 917
File Number	DER2020/000280
Premises	Narrogin Wastewater Treatment Plant Lots 698, 699, 704, 705 and 1156 on Plan 222899 Crown Reserve 26458 NARROGIN WA 6312 and Lot 2001 on Plan 67196 NARROGIN VALLEY WA 6312
Date of Report	11/12/2020
Decision	Works approval granted

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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 occurring from related construction works and operation of the of Narrogin Wastewater Treatment Plant (the premises). As a result of this assessment, Works Approval W6448/2020/1 has been granted.

2. Scope of assessment

2.1 Regulatory framework

In completing the assessment documented in this Decision Report, the department has considered and given due regard to its Regulatory Framework and relevant policy documents which are available at https://dwer.wa.gov.au/regulatory-documents.

2.2 Application summary and overview of Premises

On 9 July 2020, Water Corporation (the applicant) submitted an application for a works approval to the department under section 54 of the *Environmental Protection Act 1986* (EP Act).

There is an existing licence for the operation of the wastewater treatment plant (L6796/1991/13) at the premises. The works approval application relates to decommissioning and upgrade works relating to the wastewater treatment plant.

The Premises relates to the category 54 and assessed design capacity under Schedule 1 of the *Environmental Protection Regulations 1987* (EP Regulations) which are defined in Works Approval W6448/2020/1. The infrastructure and equipment relating to the premises category and any associated activities which the department has considered in line with *Guidance Statement: Risk Assessments* (DER 2017) are outlined in Works Approval W6448/2020/1.

A summary of the scope of the application is presented in the following sub-sections.

Automatic flushing screen filter

The Applicant has proposed to install a new automatic flushing screen filter and a new pressure main via which backwash will be returned to the existing geobags. Associated with this will be the replacement of the existing filter feed pumps at the Pond 2 outlet sump and new instrumentation, controls and supervisory control and data acquisition (SCADA) infrastructure. The purpose of this work is to manage invertebrate populations (snails) and prevent blockage of the Nitrifying Trickling Filter.

Decommissioning humus tanks

The Applicant has proposed to decommission both humus tanks to allow for operational optimisation of the plant because the tanks are not impacting the suspended solids concentration (due to their age and shallow depth). The influent valves will be closed and a bypass pipe will be installed.

One tank will remain disconnected and empty, while the other will be used as a storage tank for backwash from the filter.

Figure 1 was provided by the Applicant and shows the sampling results for inflow to the humus tanks and the outflow from the tanks over a four-day period in 2018.

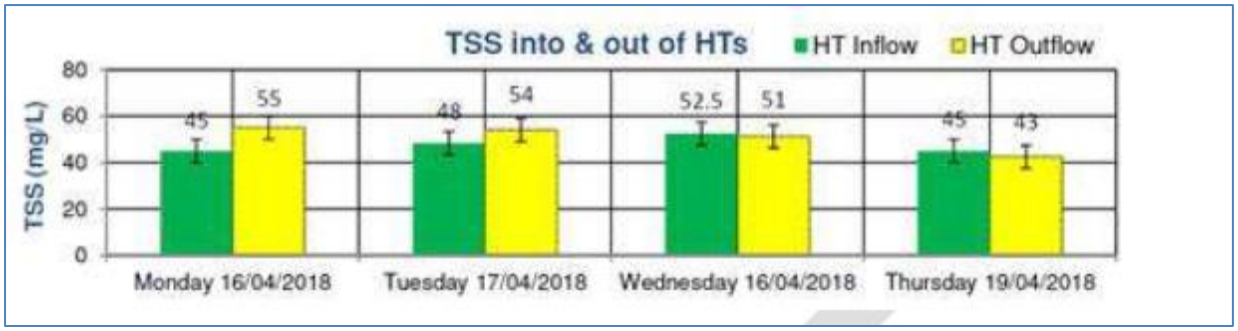

Figure 1: Humus tanks inflow and outflow sampling results (Water Corporation 2020a)

New peak wet weather overflow

A new peak wet weather overflow point from Pond 2 to the Treatment Wetland Cells is proposed as an alternative to the existing setup where the wastewater backflows through manhole 11 to the environment. This will include the installation of a baffled intake in the north-east corner of Pond 2, and new pipework directing the overflow to the Wetland Cells.

The approved design capacity of the plant within the existing licence is 1,800 m^3/day, however the Applicant has stated that the maximum capacity of the trickling filter is 3,000 m^3/day.

Figure 2 was provided by the Applicant and shows the daily inflow volumes to the wastewater treatment plant over a period of more than three years. There were three periods in which the inflow was greater than 3000 m^3/day, with the largest daily inflow due to a wet weather event being approximately 4,400 m^3/day in February 2017.

When the new overflow point from Pond 2 is installed, the portion of the daily inflow volume above 3,000 m^3/day will overflow directly from Pond 2 into the Treatment Wetland Cells. For example, a wet weather event of 3,500 m^3/day would result in 500 m^3/day overflowing directly to the Wetland Cells. The Applicant has roughly estimated the quality of the wastewater entering the wetlands as shown in the last row of Figure 3.

The Applicant has not provided an estimation of the quality of the wastewater that is then discharged from the Wetland Cells to the Narrogin Brook, however they have advised that the retention time within the wetland would be reduced to 0.8 days (from between 7 to 40 days normally) if a wet weather event produced an daily inflow of 3,500 m^3/day.

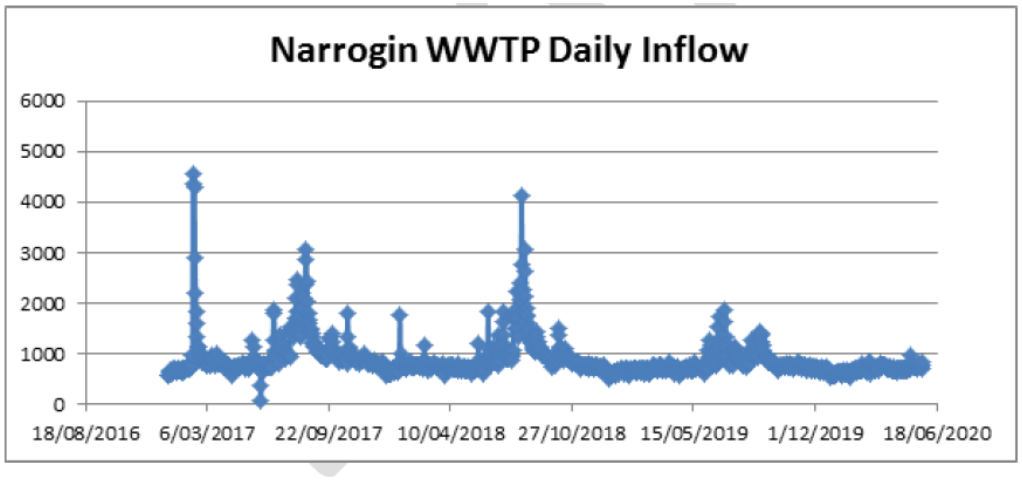

Figure 2: Daily inflows to the Narrogin WWTP (Water Corporation 2020a)

	Avg. NH4	Avg. BOD	Avg. NO32	Avg. SS	Avg. TN	Avg. TP
	mg/L	mg/L	mg/L	mg/L	mg/L	mg /L
SP Outflow Pond 2 WWTP Narrogin	15	38	1.2	51	27	7.2
*SP Outflow Pond 2 WWTP Narrogin – **Winter (Aug to Oct)***	16	43	2.3	40	26	6.2
SP Manhole 16 to Wetlands Nrgn WWTP	2.7	27	15	40	25	7
*SP Manhole 16 to Wetlands Nrgn WWTP– **Winter (Aug to Oct)***	1	21	17	26	23	6.1
*Estimated – **Winter (Aug to Oct)***	7.4	30	11	32	24	6.1

Figure 3: Estimation of the quality of the water entering the Treatment Wetland Cells after a wet weather event (Water Corporation 2020a)

Storage pond HDPE liner

The Applicant has proposed to install a new high-density polyethylene liner (HDPE) in the storage dam (also referred to as reuse dam/pond within the Application) due to poor condition of the existing liner.

Odour control unit

A new odour control biofiltration system is proposed to be installed to extract and treat odorous air from the inlet works. The system will include a biofilter and an activated carbon polishing filter for the reduction of odour and H_2S prior to the air being vented to the atmosphere via a stack.

Commissioning

A commissioning plan has been provided for the automatic flushing screen filter (and associated infrastructure), the odour control unit and the storage pond liner.

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 *Guidance Statement: Risk Assessments* (DER 2017).

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 proposed 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			
Dust	Installation of an automatic flushing screen filter on the existing pressure main between the coarse basket strainer and the nitrifying trickling filter. Humus tank decommissioning. Installation of new wet weather overflow from Pond 2 to the Treatment Wetland Cells. Installation of a HDPE liner on the storage dam. Installation of an odour control unit on inlet infrastructure.	Air/windborne pathway	Applicant expects the contractor to address dust in their air quality management plan.
Noise			Working hours are between 7am and 7pm Monday to Saturday (except public holidays).
Odour			The wastewater treatment plant will continue to operate as usual during construction, therefore no increase in odour emissions is expected.
Commissioning			
Odour	Inlet works/odour control unit	Air/windborne pathway	Air is extracted from the Inlet Works and passed through an odour control unit consisting of a biofiltration system (where microorganisms consume odourous compounds) and an activated carbon polishing filter. Monitoring of humidity, temperature and H_2S levels during commissioning.
Partially treated wastewater leaks	Flushing screen and associated infrastructure	Seepage through soils and subsurface flow	No specific controls proposed.
Treated wastewater	Storage dam seepage	Seepage through soils and subsurface flow	2mm HDPE liner with a hydraulic conductivity of less than 2×10^{-10} m/s. 7 day hydrostatic leak test will be carried out during commissioning to confirm the expected hydraulic conductivity. The Applicant has provided their *Pond Hydrostatic Inspection Test Procedure*.
Operation			
Odour	Inlet works/odour control	Air/windborne	Air is extracted from the Inlet Works and passed through an odour control

Emission	Sources	Potential pathways	Proposed controls
	unit	pathway	unit consisting of a biofiltration system (where microorganisms consume odourous compounds) and an activated carbon polishing filter. Monitoring of humidity, temperature and H_2S levels during operation (at a reduced frequency compared to monitoring during commissioning). The Applicant has provided their *Standard Work Instruction – Odour Control System - Biofilter Maintenance*.
Partially treated wastewater	Wet weather overflow event discharge	Direct discharge to surface water	Overflow directed from Pond 2 to the Treatment Wetland Cells 1 and 2 (prior to discharge at the Narrogin Brook discharge point). The wastewater is expected to have a minimum residence time of 0.8 days within the Treatment Wetland Cells during a wet weather event.
Treated wastewater	Storage dam seepage	Seepage through soils and subsurface flow	2mm HDPE liner with a hydraulic conductivity of less than 2×10^{-10} m/s. Inspections and maintenance of facility.
Increased suspended solids concentration in treated wastewater following decommissioning of humus tanks	Discharge outlet to the Narrogin Brook and offsite irrigation areas	Direct discharge to surface water and land	No specific controls proposed, however the Applicant is required to undertake ongoing monitoring of wastewater treatment plant outputs in accordance with the existing licence for the Premises.

3.1.2 Receptors

In accordance with the *Guidance Statement: Risk Assessment* (DER 2017), the Delegated Officer has excluded employees, visitors and contractors of the applicant's 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 4 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 *(Guidance Statement: Environmental Siting* (DER 2016)).

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

Human receptors	Distance from prescribed activity

Residential Premises	Approximately 100 m north of the Premises boundary that is immediately north of the prescribed activity. Approximately 125 m north-west of the Premises boundary that is immediately west of the prescribed activity Approximately 175 m west of the Premises boundary that is immediately west of the prescribed activity
Industrial Premises	Immediately adjacent to the south-west corner of the Premises
Environmental receptors	**Distance from prescribed activity**
Narrogin Brook (ephemeral watercourse)	The WWTP is located adjacent to the Narrogin Brook, which flows through part of the Premises (flowing from north-west to south-east) connects to the Arthur River and, eventually the Hardy Inlet.
Underlying groundwater	Depth to groundwater is unknown. The Premises is underlain by bedrock at 2.2-2.7 m depth.
Threatened ecological community - Eucalypt woodlands of the Western Australia Wheatbelt – critically endangered	Within and immediately adjacent to the most western area of the Premises (which contains the WWTP infrastructure).

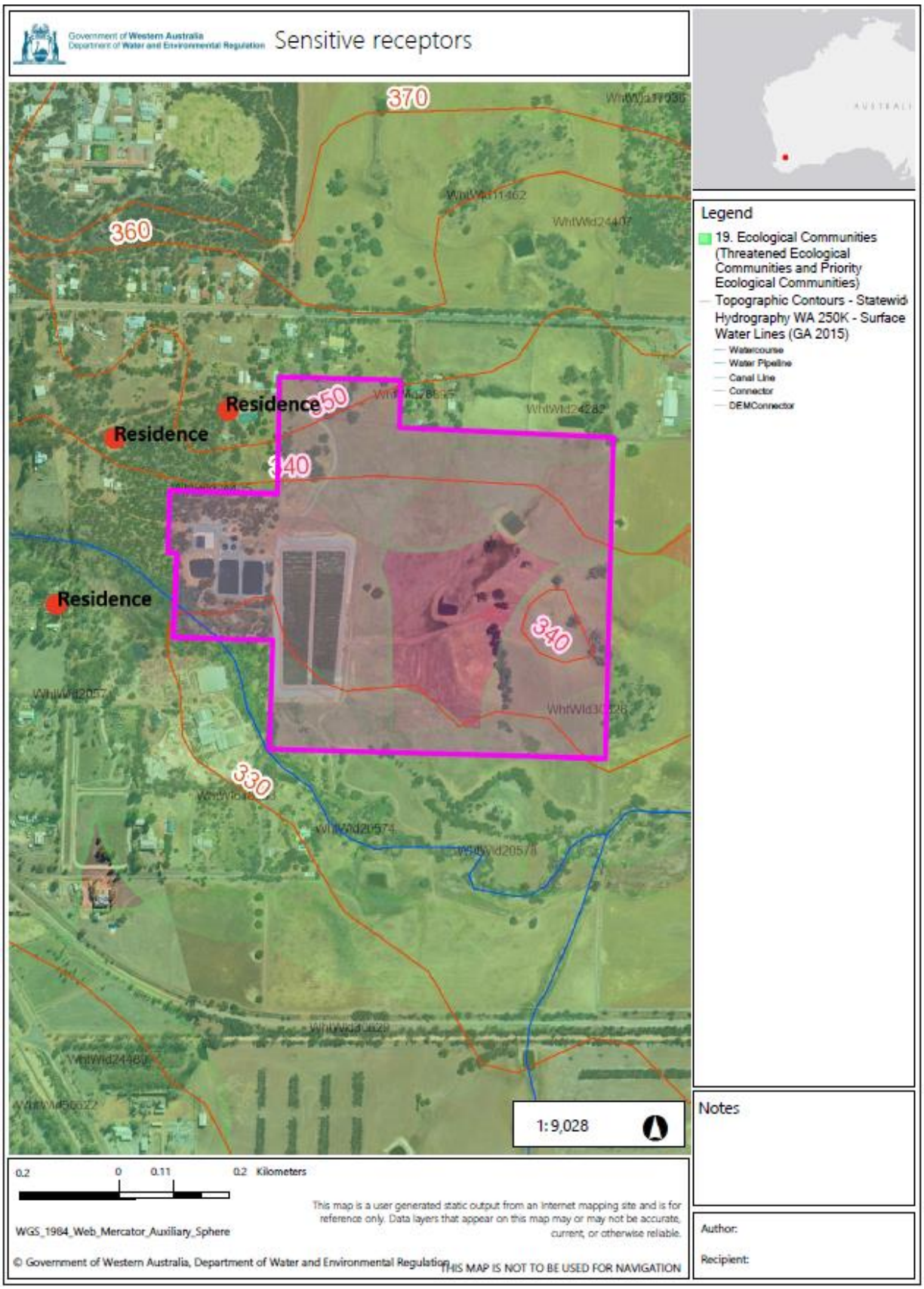

Figure 4: Distance to sensitive receptors

3.2 Risk ratings

Risk ratings have been assessed in accordance with the *Guidance Statement: Risk Assessments* (DER 2017) 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 W6448/2020/1 that accompanies this Decision Report authorises construction and time-limited operations. 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. 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 Event					Risk rating[1] C = consequence L = likelihood	Applicant controls sufficient?	Conditions[2] of works approval	Justification for additional regulatory controls
Source/Activities	Potential emission	Potential pathways and impact	Receptors	Applicant controls				
Construction								
Installation of an automatic flushing screen filter on the existing pressure main between the coarse basket strainer and the nitrifying trickling filter. Humus tank decommissioning. Installation of new wet weather overflow from Pond 2 to the Treatment Wetland Cells. Installation of a HDPE liner on the wastewater storage dam. Installation of an odour control unit on inlet infrastructure.	Dust	Air/windborne pathway causing impacts to health and amenity.	Closest residence 100 m north (refer to Table 2).	Refer to Section 3.1	C = Minor L = Rare **Low Risk**	Y	N/A	N/A
	Noise			Refer to Section 3.1	C = Minor L = Unlikely **Medium Risk**	Y	N/A	N/A
	Odour			Refer to Section 3.1	C = Minor L = Unlikely **Medium Risk** Note – the likelihood of impact has been increased from Rare in the previous odour assessment completed for the plant (DER 2016) to Unlikely due to the odour complaints that the Applicant reported receiving during 2019/2020 financial year (Water Corporation 2020b).	Y	N/A	As the plant will continue to operate as usual during construction (under existing Licence L6796/1991/13), no specific regulatory controls regarding odour emissions are considered necessary for the Works Approval.
Commissioning								
Inlet works/biofiltration system.	Odour	Air/windborne pathway causing	Closest residence 100 m	Refer to Section 3.1	C = Minor	Y	Conditions 4, 5, 7, 9 and 10	N/A

Risk Event					Risk rating[1] C = consequence L = likelihood	Applicant controls sufficient?	Conditions[2] of works approval	Justification for additional regulatory controls
Source/Activities	**Potential emission**	**Potential pathways and impact**	**Receptors**	**Applicant controls**				
		impacts to amenity.	north (refer to Table 2).		L = Possible **Medium Risk** Note – the likelihood of impact has been raised for the commissioning scenario as ineffective treatment by the odour control unit while it's being established may result in greater odour emissions due to the extraction of air from the inlet works.			
Storage dam seepage	Treated wastewater	Seepage through the soil profile and subsurface flow, impacting groundwater and surface water quality and causing ecosystem disturbance.	Narrogin Brook located within and immediately adjacent to the Premises. Critically endangered eucalypt woodlands surrounding the Premises. Groundwater beneath the premises.	Refer to Section 3.1	C = Moderate L = Unlikely **Medium Risk**	N	Conditions 1, 2, **3 (d)**, 5, 9 and 10	Condition 3(d) (CQA report requirement): the application did not include any information on proposed construction quality assurance (CQA) measures to be employed for the storage dam liner installation. Condition 3(d) requires the applicant to submit a CQA report for the liner installation works.
Operation **(including time-limited-operations operations where applicable)**								
Inlet works/odour control unit	Odour	Air/windborne pathway causing impacts to amenity	Residence 100 m north	Refer to Section 3.1	C = Minor L = Unlikely **Medium Risk**	Y	Conditions 11, 12, 13, 14, 15, 16 and 19	Note - the *Standard Work Instruction – Odour Control System - Biofilter Maintenance* document may be subject to change over time; therefore the definition included within the works approval for this

Risk Event					Risk rating[1] C = consequence L = likelihood	Applicant controls sufficient?	Conditions[2] of works approval	Justification for additional regulatory controls
Source/Activities	Potential emission	Potential pathways and impact	Receptors	Applicant controls				
								document does not restrict it to the version received by DWER.
Wet weather overflow event discharge	Partially treated wastewater	Direct discharge to surface water body impacting surface water quality and causing ecosystem disturbance	Narrogin Brook located within and immediately adjacent to the Premises	Refer to Section 3.1	C = Moderate L = Rare **Medium Risk** Note – the likelihood of the impact has been based on the expectation that the wet weather events resulting in the use of the overflow infrastructure do not typically occur more than once per year.	Y	N/A	Limited information was provided in the application for this potential discharge. Explicit approval to directly discharge partially treated wastewater to the Narrogin Brook will therefore not be given under time limited operational conditions of the works approval (or in the subsequent amended licence, post compliance with the works approval). As such, the discharge from a wet weather event is considered a discharge of waste requiring notification to the Department under Section 72(1) of the EP Act (relates to a discharge that occurs as a result of an emergency, accident or malfunction; or occurs otherwise than in accordance with a works approval or licence or with a requirement contained in an environmental protection notice – further guidance can be sourced from DWER's website: https://der.wa.gov.au/your-environment/51-reporting-pollution/111-duty-to-notify-discharges-of-waste).
Storage dam seepage	Treated wastewater	Seepage through the soil profile and subsurface flow, impacting groundwater and surface water quality and causing ecosystem disturbance	Narrogin Brook located within and immediately adjacent to the Premises Critically endangered eucalypt woodlands	Refer to Section 3.1	C = Moderate L = Unlikely **Medium Risk**	Y	N/A	Conditions 1.2.2 and 1.2.3 of the existing licence allow for the operation of the dam (referred to as the Town Storage Pond), therefore time limited operations relating to the use of the pond have not been specified within the Works Approval. The requirements specified in Table 1.2.3 of the existing licence will be

Risk Event					Risk rating[1] C = consequence L = likelihood	Applicant controls sufficient?	Conditions[2] of works approval	Justification for additional regulatory controls
Source/Activities	**Potential emission**	**Potential pathways and impact**	**Receptors**	**Applicant controls**				
			surrounding the Premises Groundwater beneath the premises					updated when the licence is amended.
Discharge outlet to the Narrogin Brook and offsite irrigation areas	Increased suspended solids concentration in treated wastewater following decommissioning of humus tanks	Direct discharge to surface water and land impacting groundwater and surface water quality and causing ecosystem disturbance	Narrogin Brook located within and immediately adjacent to the Premises Critically endangered eucalypt woodlands surrounding the Premises Groundwater beneath the premises	Refer to Section 3.1	C = Moderate L = Possible **Medium Risk**	N/A	N/A	Limited information was presented in the application to adequately demonstrate that the decommissioning of the humus tanks will have minor impacts to final TSS levels in treated effluent. Conditions of the existing licence require ongoing discharge quality monitoring for the Narrogin Brook discharge point and the irrigated water sample point. When the existing licence is amended to incorporate the infrastructure changes resulting from this works approval, consideration may be given to the introduction of water quality targets.

Note 1: Consequence ratings, likelihood ratings and risk descriptions are detailed in the *Guidance Statement: Risk Assessments* (DER 2017).

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 16/10/2020	None received	N/A
Local Government Authority advised of proposal on 16/10/2020	The Shire of Narrogin replied on 5/11/2020 confirming that planning approval is not required for the proposed works.	N/A
Applicant was provided with draft documents on 25/11/2020	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 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. DER 2016, *Narrogin Wastewater Treatment Plant Licence, Environmental Protection Act 1986, Part V,* Perth, Western Australia, 30 June 2016.
5. Water Corporation 2020a, *Proposed Activities – additional information,* Perth, Western Australia. (Attachment 3B of Narrogin Wastewater Treatment Plant Works Approval Application received 9 July 2020, A1911675).
6. Water Corporation 2020b, *Annual Environmental Report, Narrogin Wastewater Treatment Plant, 1 July 2019 to 30 June 2020*, Perth, Western Australia. (DWERDT329942)

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

Condition	Summary of applicant's comment	Department's response
Condition 1, Table 1 Condition 5, Table 2	Confirmed that two new pumps will be installed (rather than one new pump, as queried by DWER).	The Decision Report and conditions 1 and 5 have been updated to reflect this.
Condition 5, Table 2	Provided the Pond Hydrostatic Inspection Test Procedure as the methodology for undertaking the 7 day hydrostatic leak test for the storage liner.	The decision report and condition 5 have been updated to reflect that this was provided, and to reference this as the procedure for the hydrostatic leak test required to be completed.
Condition 5, Table 2	Confirmed that the proposed commissioning duration will be 90 days.	Condition 5 has been updated to extend the authorised commissioning duration to 90 days.
Condition 7, Table 4 Condition 15, Table 7	Confirmed proposed biofilter monitoring locations, frequency and methodology during commissioning and time limited operation.	Conditions 7 and 15 have been updated to reflect the monitoring proposed by the Applicant, with reference to the *Standard Work Instruction – Odour Control System - Biofilter Maintenance* as the monitoring methodology to be followed. Condition 16 was also added in response to the clarification of monitoring frequency. It is noted that this document may be subject to change over time; therefore the definition included within the works approval for this document does not restrict it to the version received by DWER on 9/12/2020.
NA – Decision Report Section 2.2.	Confirmed that the high reading in Figure 2 from 2017 was a high rainfall event.	The Decision Report has been updated to reflect this.
	Confirmed that DWER's summary of the information provided within attachment 2B of the application is correct.	

Appendix 2: Application validation summary

<table>
<tr><th colspan="7">SECTION 1: APPLICATION SUMMARY</th></tr>
<tr><td colspan="7">Application type</td></tr>
<tr><td>Works approval</td><td>☒</td><td colspan="5"></td></tr>
<tr><td rowspan="4">Licence</td><td rowspan="4">☐</td><td>Relevant works approval number:</td><td></td><td>None</td><td>☐</td></tr>
<tr><td colspan="3">Has the works approval been complied with?</td><td colspan="2">Yes ☐ No ☐</td></tr>
<tr><td colspan="3">Has time limited operations under the works approval demonstrated acceptable operations?</td><td colspan="2">Yes ☐ No ☐ N/A ☐</td></tr>
<tr><td colspan="3">Environmental Compliance Report / Critical Containment Infrastructure Report submitted?</td><td colspan="2">Yes ☐ No ☐</td></tr>
<tr><td colspan="5">Date Report received:</td></tr>
<tr><td>Renewal</td><td>☐</td><td>Current licence number:</td><td colspan="3"></td></tr>
<tr><td>Amendment to works approval</td><td>☐</td><td>Current works approval number:</td><td colspan="3"></td></tr>
<tr><td rowspan="2">Amendment to licence</td><td rowspan="2">☐</td><td>Current licence number:</td><td colspan="3"></td></tr>
<tr><td>Relevant works approval number:</td><td></td><td>N/A</td><td>☐</td></tr>
<tr><td>Registration</td><td>☐</td><td>Current works approval number:</td><td></td><td>None</td><td>☐</td></tr>
<tr><td colspan="2">Date application received</td><td colspan="5">9 July 2020</td></tr>
<tr><td colspan="7">Applicant and Premises details</td></tr>
<tr><td colspan="2">Applicant name/s (full legal name/s)</td><td colspan="5">Water Corporation</td></tr>
<tr><td colspan="2">Premises name</td><td colspan="5">Narrogin Wastewater Treatment Plant</td></tr>
<tr><td colspan="2">Premises location</td><td colspan="5">• Lots 698, 699, 704, 705 & 1556 on Plan 222899 (Crown Reserve 26458) Narrogin WA 6312; and
• Lot 2001 on Plan 67196 Narrogin Valley WA 6312</td></tr>
<tr><td colspan="2">Local Government Authority</td><td colspan="5">Shire of Narrogin</td></tr>
<tr><td colspan="7">Application documents</td></tr>
<tr><td colspan="2">HPCM file reference number:</td><td colspan="5">DER2020/000280</td></tr>
<tr><td colspan="2">Key application documents (additional to application form):</td><td colspan="5">Proposed Activities Additional Information
Environmental Commissioning Plan
ProLiner HDPE Geomembrane Specification Sheet</td></tr>
</table>

Scope of application/assessment	
Summary of proposed activities or changes to existing operations.	• Installation of an automatic flushing screen filter on the existing pressure main between the coarse basket strainer and the nitrifying trickling filter. This includes replacement of the existing filter feed pumps at the Pond 2 outlet sump and new instrumentation, controls and Supervisory control and data acquisition (SCADA) infrastructure. • Connect the Humus Tank DN250PVC-M bypass pipe from Manhole 9 to the DN300 PVC-M gravity main from Manhole 10 directing flow to Manhole 16. • New wet weather overflow from Pond 2 to the wetland including a baffled intake in the North East corner of Pond 2. • Installation of a HDPE liner on the wastewater re-use pond. • Installation of an odour control unit on the inlet infrastructure.

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 54 Sewage facility: premises — (a) on which sewage is treated (excluding septic tanks); or (b) from which treated sewage is discharged onto land or into waters.	1,800 m^3 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 ☐ 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 ☒	Only installing and/or removing equipment on an existing site.
Has the applicant applied for, or have an existing EP Act clearing permit in relation to this proposal?	Yes ☐ No ☒	No clearing is proposed.
Has the applicant applied for, or have an existing CAWS Act clearing licence in relation to this proposal?	Yes ☐ No ☒	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 ☒	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 ☒	N/A
Is the Premises situated in a Public Drinking Water Source Area (PDWSA)?	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 ☐	Storage of chlorine used for treatment prior to reuse within the Narrogin townsite. Storage of chlorine is not part of the works approval application.
Is the Premises within an Environmental Protection Policy (EPP) Area?	Yes ☐ No ☒	N/A
Is the Premises subject to any EPP requirements?	Yes ☐ No ☒	N/A
Is the Premises a known or suspected contaminated site under the *Contaminated Sites Act 2003*?	Yes ☐ No ☒	N/A