

Amendment Report

Application for Licence Amendment

Part V Division 3 of the Environmental Protection Act 1986

Licence Number	L7802/2001/11
Licence Holder	Water Corporation
ACN	28 003 434 917
File Number	DEC13257/1
Premises	Kemerton Wastewater Treatment Plant
	Lot 310 on Plan 31339, Marriott Road
	WELLESLEY WA 6233
Date of Report	28 May 2021
Proposed Decision	Revised licence granted

Steve Checker 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

Licence L7802/2001/11 is held by Water Corporation (Licence Holder) for the Kemerton Wastewater Treatment Plant (WWTP) (the Premises), located on Lot 310 on Plan 31339, Marriott Road, WELLESLEY, WA, 6233.

This Amendment Report documents the assessment of potential risks to the environment and public health from proposed changes to the emissions and discharges during the operation of the Premises. As a result of this assessment, Revised Licence L7802/2001/11 has been granted.

The Revised Licence issued as a result of this amendment consolidates and supersedes the existing Licence previously granted in relation to the Premises. The Revised Licence has been granted in a new format with existing conditions being transferred, but not reassessed, to the new format.

2. Scope of assessment

2.1 Regulatory framework

In completing the assessment documented in this Amendment 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

On 14 December 2020, the Licence Holder submitted an application to the department to amend Licence L7802/2001/11 under section 59 and 59B of the *Environmental Protection Act 1986* (EP Act). The Licence Holder is seeking to upgrade the existing sludge dewatering systems at the premises from belt filter presses (BFPs) that can only achieve 12 to 13% dry solids, which falls below the Western Australian *Guidelines for Biosolids Management 2012* of at least 15%. As a result, the cost of transportation and disposal is high and there is an increased risk of potential spillage during transport. The Licence Holder manages similar premises' (Bunbury WWTP L5972/1992/14) which use decanter centrifuges and wishes to implement this practice at the Kemerton WWTP.

The following amendments are being sought:

- Replace the Belt Filter Presses (BFP's) with centrifuges in the dewatering process for sludge management;
- The inclusion of a condition detailing containment infrastructure requirements indicating that "leachate filtrate to be routed to a Sump with FRP cover (Fibre-reinforced plastic cover) from here Leachates to be returned to the inlet works by exiting pipework".

As part of the application submission, the Licence Holder also indicated that the new treatment process uses cationic polymer dosing as a flocculating agent in the dewatering process. The polymer is added to help make the waste activated sludge hydrophobic and therefore produces a flocculant that is easier to dewater using mechanical dewatering equipment. The use of the polymer significantly increases the effectiveness of the treatment plant. The premises utilises a liquid polymer which is an emulsion containing a hydrocarbon based emulsifying agent and 40-50% active polymer ingredient. The premises currently utilises NALCO Coreshell 71300.61 polymer. After the upgrade, the type of polymer is likely to change due to differing needs of the system. The FLOPAM EM 640 TBD (FLOPAM) which is currently utilised at the Bunbury WWTP (L5972/1992/14) which uses a similar centrifuge dewatering system is the likely option.

The Licence Holder estimates that using the current belt filter press system, the treated effluent

which is discharged to the irrigation woodlot contains approximately 0.00096% polymer. After the upgrade, the treated effluent will contain approximately 0.00211% polymer which is discharged to the irrigation woodlot areas. The Safety Data Sheet (SDS) for the currently used Coreshell 71300 polymer specifically indicates that the polymer should not enter waterways as it is very toxic to aquatic organisms and may cause long-term adverse effects in the aquatic environment. The SDS for FLOPAM declares under environmental precautions to not contaminate water.

2.3 Consolidation of Licence

As part of this amendment package the department has consolidated the licence by incorporating changes made under the Amendment Notices as summarised in Table 1.

Instrument	Issued	Summary of approval
L7802/2001/11	24/10/2013	Licence granted
L7802/2001/11	29/04/2016	Notice of Amendment of Licence Expiry Dates – Extend expiry date from 29/10/2018 to 29/10/2027
L7802/2001/11	28/05/2021	Amendment to upgrade sludge dewatering infrastructure from belt filter press to centrifuges. This amendment has been granted in a new format with existing conditions being transferred, but not reassessed, to the new format.

Table 1: Licences consolidated in this amendment

The obligations of the Licence Holder have not changed in consolidating the licence. The department has not undertaken any additional risk assessment of the Premises related to previous Amendment Notices.

In consolidating the licence, the CEO has:

- updated the format and appearance of the Licence;
- deleted the redundant AACR form set out in attachment 1 of the previous licence and advise the Licensee to obtain the form from the department's website;
- revised licence condition's numbers, and removed any redundant conditions and realigned condition numbers for numerical consistency; and
- corrected clerical mistakes and unintentional errors.

The full consolidation of licence conditions as they relate to this Revised Licence are detailed in Section 5.1.

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 Amendment Report are detailed in Table 2 below. Table 2 also details the proposed control measures the Licence Holder has proposed to assist in controlling these emissions, where necessary.

Emission	Sources	Potential pathways	Proposed controls
Odour	Construction: N/A	Air/windborne pathway	Construction: Construction will occur alongside existing system
	Operation: Hoppers		
	and Centrifuges		Operation: Ventilation fans;
			Centrifuges sit inside a ventilated shed;
			>1 km separation distance to residential dwellings;
			Centrifuges are sealed vessels;
			Sludge will not be stored wet; and
			Sludge will not be stored out of the treatment process of transport containment or hoppers.
Noise	Construction: Vehicles, mobile plant, machinery and	Air/windborne pathway	Construction: No nighttime construction works– separate DWER and LGA approval will be sought should this be required;
	construction activities		>1 km separation distance from residential dwellings;
	Operation:		Works will be conducted in accordance with the EP Noise Regs;
	Upgraded plant		Vehicles and equipment fitted with appropriate noise controls;
			Plant, equipment and vehicles regularly inspected and maintained; and
			Complaints register.
			Operation: Complaints register; and
			Minimise occurrence of falling or splashing water through careful hydraulic design.
Dust	Construction: Vehicle movement	Air/windborne pathway	Construction: >1 km from residential dwelling;
	on unsealed surfaces, excavations and movement of soil		Utilize pre-cast structures to reduce construction timeframes and limit works conducted onsite;
	stockpiling soil and other materials, and		Opportunistic visual inspections of dust plumes and emissions;
	activities.		Wetting/ dust suppression of unsealed surfaces using benign dust suppressants as required;
	Operation: N/A		Site preparation and excavations will not

Table 2: Licence Holder controls

Emission	Sources	Potential pathways	Proposed controls
			occur if wind conditions are extreme, where practicable;
			Weather forecasts will be checked regularly and additional wetting/ dust suppressant will be used in high risk conditions;
			Trucks to be washed down before leaving the premises; and
			Speed limited on site.
			Operation: N/A
			No dust emissions are expected during commissioning and operations of the upgraded sludge dewatering system.
Uncontrolled discharge of contaminants/	Construction: Release of chemicals due to	Overland flow	Hazardous chemicals and hydrocarbons stored in bunded areas compliant with AS1940 and AS192;
chemical equipment failure storage Operation: Releat of chemicals due storage failure	equipment failure Operation: Release		Spill kits, containment and recovery equipment, operator instructions and emergency procedures;
	of chemicals due to storage failure		Waste products stored in appropriate rubbish bins and removed from site by the contractor regularly;
			Fuel stored in self bunded tanks;
			All semi-mobile equipment fitted with spill kits;
			Suitably trained staff;
			Regular maintenance and servicing of equipment and vehicles;
			Hardstand areas created will be sufficiently graded and bunded;
			During operations, all chemicals will be stored in purpose-built areas that comply with AS3780; and
			Procedures and training for the use and handling of chemicals and maintenance regimes for bunds and associated control equipment.
Contaminated	Construction:	Overland flow	Construction:
stormwater	Sediment		Construction expected to occur over a short period of time
	Operation: Sludge/		Operation:
	hoppers		Sludge contained in a sealed vessel
			Hoppers sit upon a hardstand
			Hoppers are self-bunded vessels to reduce

Emission	Sources	Potential pathways	Proposed controls
			the chance spillage or leakage on transport
Leachate	Construction: N/A Operation: Centrifuges	Seepage to soils and groundwater	Construction: N/A Operation: Containment sumps (lined) Leachate drain lined - returns to the inlet works

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 Licence Holder'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 3 and Figures 1 and 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 (*Guidance Statement: Environmental Siting* (DER 2016)).

Table 3: Sensitive human and environmental receptors and distance from prescribed activity

Human receptors	Distance from prescribed activity
Residential	~ 1.3 km south-west of premises boundary
General farming zone	 ~ 1.7 km west of premises boundary ~3.6 km south-east of premises boundary ~4 km west north-west of premises boundary
Intensive farming zone	~3.9 km east of premises boundary
Industrial zone	Immediately adjacent east of premises boundary
Licenced premises: L6341/1988/10 –Kemberton Silicon Smelter L5423/1990/15 - Goodchild Abattoir L6036/1988/13 - Coogee Chlor Alkali Kemerton Plant L6876/1989/12 - Australind Piggery L8707/2012/1 - Tesla Kemerton Peak Lopping Facility L8870/2014/1 - Kemerton Titanium Dioxide Processing Plant	Immediately adjacent south-east of the premises boundary ~ 0.5 km west of premises boundary ~1.5km south-east of premises boundary Immediately west of premises boundary ~1.6 km east of premises boundary ~0.8 km south-east of premises boundary
Environmental receptors	Distance from prescribed activity
Kemberton Industry Buffer Zone (native	Immediately adjacent west of premises boundary

vegetation)	
Green Growth TEC Commitments – Southern Eucalyptus gomphocephala - Agonis flexuosa woodlands	Immediately south of premises boundary
Green Growth Wetlands Commitments	~250 m west, 675 m north-west, 622 m south-west and 265 m south of premises boundary
Ecological Communities (TECs)	
Banksia Dominated Woodlands of the Swan Costal Plain IBRA Region (Priority 3)	Within and immediately adjacent the premises boundary
Tuart (Eucalyptus gomphocephala) woodlands and forests of the Swan Costal Plain (Critically Endangered)	Immediately adjacent west of to the premises boundary
Surface waterbodies	
Mialla Lagoon	~ 0.77km north west of Woodlot 1
Leschenault Inlet	~ 2.7 km west of Woodlots 1, 2, and 3
Unnamed surface waterbody	~ 2.7 km north-east of Woodlot 1 and 2.2 km south east of Woodlot 3
Surface water lines	
Parkfield drain	~ 3 km west of premises boundary
Wellesley river	~ 1.8 km east of premises
RIWI Act 1914 – Surface water area – Collie River Irrigation District Brunswick River and Tributaries	~ 3.3 km east of the premises boundary
RIWI Act 1914 – Groundwater areas	Groundwater salinity 500-1,000 mg/l
-Bunbury Groundwater Area	Within the premises boundary
- South West Coastal Groundwater Area	Immediately adjacent to the north of the premises boundary



Figure 1: Distance to sensitive receptors – Human



Figure 2: Distance to sensitive receptors – Environmental – Surface water bodies, surface water lines and wetlands

3.2 Risk ratings

Risk ratings have been assessed in accordance with the *Guidance Statement: Risk Assessments* (DER 2017) for those emission sources which are proposed to change 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 Licence Holder 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 Licence Holder's proposed controls to be critical to maintaining an acceptable level of risk, these will be incorporated into the Licence as regulatory controls.

Additional regulatory controls may be imposed where the Licence Holder's controls are not deemed sufficient. Where this is the case the need for additional controls will be documented and justified in Table 4.

The Revised Licence L7802/2001/11 that accompanies this Amendment Report authorises emissions associated with the operation of the Premises.

The conditions in the Revised Licence have been determined in accordance with Guidance Statement: Setting Conditions (DER 2015).

Risk Event					Risk rating ¹			Justification for
Source/Activities	Potential emission	Potential pathways and impact	Receptors	Applicant controls	C = consequence L = likelihood	Applicant controls sufficient?	Conditions ² of works approval	additional regulatory controls
Construction								
Installation of infrastructure: Centrifuges	Dust	Air/windborne pathway causing impacts to health and amenity	Residential premises <1 km away	Refer to Section 3.1	C = Slight L = Unlikely Low Risk	Y	Condition 1: conditions the use of pre-cast structures. This lowers any dust and noise emissions	N/A
Sludge	Noise							
 conveyors and hopper Polymer dosing system Removal/ demolition of old sludge dewatering system 	Contaminated stormwater	Overland flow - Release of chemicals/ hydrocarbons due to equipment or machinery failure	Mialla Lagoon; Leschenault Inlet; Parkfield drain; Wellesley river; TECs	Refer to Section 3.1	C= Slight L= Unlikely Low Risk	Y	Condition 1: conditions the design and construction requirements for new infrastructure including the new sludge dewatering system, hazardous chemical and hydrocarbon storage area and hardstand areas.	The Delegated Officer considers construction activities are expected to be short term and Licence Holder controls are adequate for managing risk.
Operation (Includi	ng commissioni	ng)						
Commissioning and operation of upgraded WWTP	Noise	Air/windborne pathway causing Residential impacts to health premises and amenity	Refer to Section 3.1	C = Slight L = Unlikely Low Risk	Y	N/A	The Delegated Officer considers existing conditions sufficient in managing the risk.	
	Odour			Refer to Section 3.1	C = Slight L = Unlikely		Condition 1: Table 1: conditions the installation of new	The Delegated Officer considers existing

Table 4. Risk assessment of potential emissions and discharges from the Premises during construction, commissioning and operation

Licence: L7802/2001/11

IR-T15 Amendment Report Template v2.0 (July 2020)

Risk Event	Risk Event							Justification for
Source/Activities	Potential emission	Potential pathways and impact	Receptors	Applicant controls	C = consequence L = likelihood	Applicant controls sufficient?	Conditions ² of works approval	additional regulatory controls
					Low Risk		decanter centrifuges as outlined in the supporting documentation.	conditions and Licence Holder controls to be sufficient in managing the risk.
	Leachate	Infiltration and overland flow of potentially harmful treated wastewater	Bunbury Groundwater Area; South West Coastal Groundwater Area. TECs; Parkfield drain; Wellesley river.	Refer to Section 3.1	C= Moderate L= Unlikely Medium Risk	Y	Condition 1: Table 1: conditions the installation of new decanter centrifuges as outlined in the supporting documentation. Condition 5: Table 2: Sludge dewatering system: v conditions that leachate is returned to the inlet works.	The Delegated Officer considers the upgraded plant does not alter the risk of leachate from the WWTP as leachate is returned to the head of the treatment process for re- treatment. Existing conditions and Licence Holder controls sufficient to manage risk.
	Contaminated stormwater Chemical spill	Overland runoff potentially causing ecosystem disturbance or impacting surface water quality	Mialla Lagoon; Leschenault Inlet; Parkfield drain; Wellesley river; TECs.	Refer to Section 3.1	C= Moderate L= Unlikely Medium Risk	Y	Condition 1: Table 1: conditions the installation of new decanter centrifuges as outlined in the supporting documentation. Condition 5 Table 2: WWTP: vi: ensures adequate chemical	The Delegated Officer considers existing conditions and Licence Holder controls sufficient to manage risk.

Licence: L7802/2001/11

IR-T15 Amendment Report Template v2.0 (July 2020)

Risk Event			Risk rating ¹			Justification for		
Source/Activities	Potential emission	Potential pathways and impact	Receptors	Applicant controls	C = consequence L = likelihood	Applicant controls sufficient?	Conditions ² of works approval	additional regulatory controls
							storage during WWTP operation.	
	Irrigation discharge containing Cationic Polymer entering waterways			Refer to Section 3.1	C= Major L= Unlikely Medium Risk	Ν	Existing condition 5: Table 2: woodlot irrigation area, vii: ensures that irrigation does not result in surface runoff from the site. Condition 5: Table 2: woodlot irrigation area, Vii and Viii: ensure that no ponding occurs within the woodlot irrigation areas and that the Licence Holder employs earthen bunding and site contouring to ensure treated effluent does not leave the premises.	The Delegated Officer considers the risk of cationic polymers used in the wastewater treatment process pose a medium risk to the environment if allowed to enter a waterway. Due to this, the Delegated Officer has included additional conditions around the woodlot irrigation area to ensure no treated effluent leaves the premises.

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

Note 2: Proposed Licence Holder's controls are depicted by standard text. Bold and underline text depicts additional regulatory controls imposed by department.

4. Consultation

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

Table 5: Consultation

Consultation method	Comments received	Department response
Local Government Authority advised of proposal (5 March 2021)	Shire of Harvey provided the following comments on 15/03/2021: Ensure compliance with the provisions of the Management Plans and Migration Procedures stated in the Odour, Dust, Noise and Uncontrolled Discharge of	N/A
	Contaminants/Chemicals (Supporting documentation); and	
	Maintain compliance with the Environmental Protection Act 1986, Environmental Protection (Unauthorised Discharges) Regulation 2004, Health (Miscellaneous Provisions) Act 1911 and the Shire Health Local Laws 2009.	
Licence Holder was provided with draft amendment on (01/04/2021)	The Licence Holder responded on 27/04/2021 – for a summary of the comments received refer to Appendix 1	Refer to Appendix 1

5. Conclusion

Based on the assessment in this Amendment Report, the Delegated Officer has determined that a Revised Licence will be granted, subject to conditions commensurate with the determined controls and necessary for administration and reporting requirements.

It is noted that this premises is also subject to conditions set by the Minister for the Environment under Part IV of the *Environmental Protection Act 1986*. The Licence Holder is required to comply with the requirements of the Minister's Statements as well as those in this Licence.

The previous assessment report for the premises included recommended WWTP targets within the licence preamble (not an enforceable requirement) The Delegated Officer has been in negotiations with the Licence Holder towards submission of an updated Nutrient Irrigation Management Plan to inform appropriate discharge limits on the licence. It is anticipated that a review of this aspect of the licence will follow once the relevant documents are submitted.

5.1 Summary of amendments

Table 6 provides a summary of the proposed amendments and will act as record of implemented changes. All proposed changes have been incorporated into the Revised Licence as part of the amendment process.

Table 6: Summary of licence amendments

Condition no.

1	Inclusion of new construction table authorizing the construction/ installation of the new sludge dewatering system, hazardous chemical and hydrocarbon storage area and hardstand areas.
2-4	New conditions requiring the submission of an Environmental Compliance Report and ensuring that operations do not commence until the report has been submitted.
5	Inclusion of an infrastructure operations requirement table, addition of a sludge dewatering system row with operating requirements (I, ii, and v);
	Addition of WWTP (vi) to ensure all chemicals are stored in purpose built areas in accordance with AS3780.
	Addition to the woodlot irrigation area operational requirements to ensure no ponding occurs and that earthen bunds and/or site contouring to ensure treated effluent does not leave the premises.

Table 7: Consolidation of licence conditions in this amendment

Existing condition	Condition summary	Revised licence condition	Conversion notes
N/A	Format and layout	N/A	Revised to current licensing format.
N/A	Prescribed Premises Category table and Licensed Throughput	N/A	Revised to current licensing format. Moved to cover page
N/A	Reference to the licensee	N/A	Now referred to as the licence holder
N/A	Reference to Director	N/A	Revised to refer to CEO
N/A	Preamble	N/A	Removed as per updated licensing format; and
			Category table and throughput moved to the cover page
N/A	Definitions	N/A	Updated accordingly and moved to end of Licence conditions
G1 and G2	Reporting requirements	Conditions 12 - 15	Redundant condition. Revised to current licensing format.
W1	Management of WWTP	Condition 5, Table 1	Revised to current licensing format.
W2 a and b	WWTP performance		
W3	Flow monitoring device	Condition 7	Condition remains the same, simply renumbered
W4	Groundwater monitoring bores	Condition 8	Condition remains the same, renumbered. Reference to Figure 2, Schedule 1 replaced reference to Attachment 1.
W5 a and b	Environmental monitoring requirements	Condition 9, Table 3	Condition remains the same, renumbered and combined.
W6	Woodlot soil monitoring requirements	Condition 10	Condition remains the same, reworded, and renumbered.

Existing condition	Condition summary	Revised licence condition	Conversion notes
W7 a, b and c	Water sample collection controls and reporting	Condition 11	Condition remains the same, renumbered and combined.
W8	Calculation of contaminant load	Condition 6	Condition remains the same and renumbered
S1 a, b, and d	Solid waste pollution controls	Condition 5, Table 1: Sludge Dewatering System (iii), (iv), (v), and (vi)	Combined into Table 1, new row added for sludge dewatering system
S1 c	Solid waste pollution controls - leachate control		Amended in line with amendments to leachate control operations.
Attachment 1	Premises map	Schedule 1: Maps	New naming convention, updated premises map (figure 1) to represent the irrigation woodlots. Original map remains (figure 2) to indicate locations of monitoring bores.
Attachment 2	Annual Audit Compliance Report form	N/A	Redundant attachment. Deleted from Licence Forms accessed at <u>www.dwer.wa.gov.au</u>

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.

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

Condition	Summary of Licence Holder's comment	Department's response
Condition 1, Table 1	Licence Holder confirmed that there will be a new sludge dewatering building constructed to house the centrifuge and system.	Licence updated accordingly
Condition 5, Table 2	Licence Holder querying why the licence specifically refers to only being able to utilise the centrifuge for dewatering post upgrade from the BFP – claiming too prescriptive and not allowing the use of BFP in an emergency.	No changes made as the licence amendment application specifically stated the BFP will be decommissioned once the Centrifuge has been proven. Licence Holder was informed of this over the phone on 10/05/2021.
Condition 5, Table 2	Licence Holder provided updated terminology – requesting the statement 'dry sludge target weight of 15%' be amended to 'to meet a dewatered sludge dry solids content of 15% w/w' or similar.	Statement updated accordingly.
Condition 5, Table 2	Licence Holder requesting the statement around the impervious sump with fibre-reinforced plastic cover be less prescriptive to allow for future updates in technology.	Condition updated to 'impervious sump with cover'.
Condition 5, Table 2	Requesting removal of condition requiring the use of 'earthen bunds and/ or site contouring to ensure treated effluent or contaminated runoff does not leave the premises', claiming that the risk of polymer entering waterways and causing environmental harm is low due to the distance to surface water and the treated effluent containing 0.00211% polymer irrigated to the woodlot.	As the toxicity limit for cationic polymers entering waterways and affecting aquatic organisms is uncertain, the Delegated Officer has determined the risk associated with polymers entering waterways will remain as medium. The Delegated Officer has agreed to revert the condition to the original licence condition 'ensure irrigation does not result in surface runoff from the premises' as there is no material difference to the outcome over the proposed draft wording. This was discussed with the Licence Holder on the phone on 10/05/2021.

Appendix 2: Application validation summary

SECTION 1: APPLICATION SUMMARY					
Application type					
Works approval					
		Relevant works approval number:		Non e	
		Has the works approval been complied with?		Yes 🗆] No 🗆
Licence		Has time limited operations under the works approval demonstrated acceptable operations?		Yes 🗆] No 🗆 N/A
		Environmental Compliance Report / Critical Containment Infrastructure Report submitted?		Yes 🗆] No □
		Date Report recei	Date Report received:		
Renewal		Current licence number:			
Amendment to works approval		Current works approval number:			
		Current licence number:	L7802/2001/11		
Amendment to licence		Relevant works approval number:		N/A	
Registration		Current works approval number:		Non e	
Date application received	•	14/12/2020			
Applicant and Premises details					
Applicant name/s (full legal name/s)		Water Corporation			
Premises name		Kemerton Wastewater Treatment Plant			
Premises location		Lot 310 on Plan 31339			
Local Government Authority		Wellesley – Shire of Harvey			
Application documents HPCM file reference number:					
		DEC13257/1			
Key application documents (additional to application form):		Kemerton WWTP Licence Amendment Sludge Dewatering Appendix Apdf			
Scope of application/assessment					

	Licence amendment
Summary of proposed activities or changes to existing operations.	Amendment to licence to replace the existing sludge dewatering systems (belt filter presses) with a decanter centrifuge. The current process is only achieving 12-13% dry solids which is below the WA <i>Guidelines for Biosolids Management 2012</i> of at least 15%. This upgrade is required to achieve this standard.
	Centrifuges will replace the Belt Filter Presses dewatering process for sludge management.

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

Table 1: Prescribed premises categories

	Prescribed premises category and description	Ass des	essed production or ign capacity	Proposed changes to the production or design capacity (amendments only)
	Category 54: Sewage facility	3,60	0 cubic meters per day	No change to throughput requested
	Legislative context and other app	orova	ls	
	Has the applicant referred, or do the intend to refer, their proposal to the EPA under Part IV of the EP Act a significant proposal?	ney e s a	Yes 🗆 No 🖂	Referral decision No: Managed under Part V Assessed under Part IV
	Does the applicant hold any existin Part IV Ministerial Statements relevant to the application?	ng	Yes ⊠ No □	Ministerial statement No: 568 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)? Has the applicant obtained all relevant planning approvals?		Yes ⊠ No □	Certificate of title General lease Expiry: Mining lease / tenement Expiry: Other evidence Expiry:	
		Yes ⊠ No □ N/A □	Approval: Expiry date: If N/A explain why?	
	Has the applicant applied for, or has an existing EP Act clearing permit relation to this proposal?	ave in	Yes 🗆 No 🛛	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 🗆 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:BunburyGroundwaterAreaType:Proclaimed GroundwaterAreaHas Regulatory Services (Water)been consulted?YesNoN/ARegional office:
Is the Premises situated in a Public Drinking Water Source Area (PDWSA)?	Yes □ No ⊠	Name: N/A Priority: P1 / P2 / P3 / N/A Are the proposed activities/ landuse compatible with the PDWSA (refer to <u>WQPN 25</u>)? 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 ⊠	
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?		Classification: possibly contaminated – investigation required (PC–IR)
	Yes ⊠ No □	Date of classification: