

Works Approval

Works Approval Number	W6162/2018/1
Works Approval Holder	Water Corporation
Registered business address	629 Newcastle Street LEEDERVILLE WA 6007
File Number	DER2018/001140
Duration	05/10/2018 to 04/10/2023
Date of issue	05/10/2018
Prescribed Premises	Category 54 – Sewage facility
Premises	Home Island Wastewater Treatment Plant Part 103, Home Island Cocos (Keeling) Islands INDIAN OCEAN TERRITORIES WA 6799
	Legal description -
	Lot 1106 on Plan 30520 As defined in Schedule 1

This Works Approval is granted to the Works Approval Holder, subject to the following conditions, on 5 October 2018, by:

Steve Checker MANAGER, WASTE INDUSTRIES REGULATORY SERVICES

an officer delegated under section 20 of the Environmental Protection Act 1986 (WA)

Explanatory notes

These explanatory notes do not form part of this Works Approval.

Defined terms

Definition of terms used in this Works Approval can be found at the start of this Works Approval. Terms which are defined have the first letter of each word capitalised throughout this Works Approval.

Department of Water and Environmental Regulation

The Department of Water and Environmental Regulation (DWER) is established under section 35 of the *Public Sector Management Act 1994* and designated as responsible for the administration of Part V, Division 3 of the *Environmental Protection Act 1986* (WA) (EP Act). The Department also monitors and audits compliance with licences and works approvals, takes enforcement action and develops and implements licensing and industry regulation policy.

Works Approval

Section 52 of the EP Act provides that an occupier of any premises commits an offence if any work is undertaken on, or in relation to, the premises which causes the premises to become, or to become capable of being, Prescribed Premises, except in accordance with a works approval.

Section 56 of the EP Act provides that an occupier of Prescribed Premises commits an offence if Emissions are caused or increased or permitted to be caused or increased, or Waste, noise, odour or electromagnetic radiation is altered or permitted to be altered from Prescribed Premises, except in accordance with a works approval or licence.

Categories of Prescribed Premises are defined in Schedule 1 of the *Environment Protection Regulations 1987* (WA) (EP Regulations).

This Works Approval does not authorise any activity which may be a breach of the requirements of another statutory authority including, but not limited to, the following:

- conditions imposed by the Minister for Environment under Part IV of the EP Act;
- conditions imposed by DWER for the clearing of native vegetation under Part V, Division 2 of the EP Act;
- any requirements under the Waste Avoidance and Resource Recovery Act 2007;
- any requirements under the *Environmental Protection (Controlled Waste) Regulations 2004*; and
- any other requirements specified through State legislation.

It is the responsibility of the Works Approval Holder to ensure that any action or activity referred to in this Works Approval is permitted by, and is carried out in compliance with, statutory requirements.

The Works Approval Holder must comply with the Works Approval. Contravening a Works Approval Condition is an offence under s.55 of the EP Act.

Responsibilities of Works Approval Holder

Separate to the requirements of this Works Approval, general obligations of Works Approval Holders are set out in the EP Act and the regulations made under the EP Act. For example, the Works Approval Holder must comply with the following provisions of the EP Act:

• the duties of an occupier under s.61; and

• restrictions on making certain changes to Prescribed Premises unless the changes are in accordance with a Works Approval, Licence, closure notice or environmental protection notice (s.53).

Strict penalties apply for offences under the EP Act.

Reporting of incidents

The Works Approval Holder has a duty to report to the Department all Discharges of Waste that have caused or are likely to cause Pollution, Material Environmental Harm or Serious Environmental Harm, in accordance with s.72 of the EP Act.

Offences and defences

The EP Act and its regulations set out a number of offences including:

- Offence of emitting an Unreasonable Emission from any Premises under s.49.
- Offence of causing Pollution under s.49.
- Offence of dumping Waste under s.49A.
- Offence of discharging Waste in circumstances likely to cause Pollution under s.50.
- Offence of causing Serious Environmental Harm (s.50A) or Material Environmental Harm (s.50B).
- Offence of causing Emissions which do not comply with prescribed standards (s.51).
- Offences relating to Emissions or Discharges under regulations prescribed under the EP Act, including materials discharged under the *Environmental Protection* (Unauthorised Discharges) Regulations 2004 (WA).
- Offences relating to noise under the *Environmental Protection (Noise) Regulations* 1997 (WA).

Section 53 of the EP Act provides that a Works Approval Holder commits an offence if Emissions are caused, or altered, from a Prescribed Premises unless done in accordance with a Works Approval, Licence or the requirements of a closure notice or an environmental protection notice.

Defences to certain offences may be available to a Works Approval Holder and these are set out in the EP Act. Section 74A(b)(iii) provides that it is a defence to an offence for causing Pollution, in respect of an Emission, or for causing Serious Environmental Harm or Material Environmental Harm, or for discharging or abandoning Waste in water to which the public has access, if the Works Approval Holder can prove that an Emission or Discharge occurred in accordance with a Works Approval.

This Works Approval specifies the Emissions and Discharges, and the limits and Conditions which must be satisfied in respect of specified Emissions and Discharges, in order for the defence to offence provision to be available.

Authorised Emissions and Discharges

The specified and general Emissions and Discharges from the Works authorised through this Works Approval are authorised to be conducted in accordance with the Conditions of this Works Approval.

Amendment of Works Approval

The Works Approval Holder can apply to amend the Conditions of this Works Approval under s.59 of the EP Act. An application form for this purpose is available from DWER.

The CEO may also amend the Conditions of this Works Approval at any time on the initiative of the CEO without an application being made.

Duration of Works Approval

The Works Approval will remain in force for the duration set out on the first page of this Works Approval or until it is surrendered, suspended or revoked in accordance with s.59A of the EP Act.

Suspension or revocation

The CEO may suspend or revoke this Works Approval in accordance with s.59A of the EP Act.

Definitions and interpretation

Definitions

In this Works Approval, the terms in Table 1 have the meanings defined.

Table 1: Definitions

Term	Definition
Applicant	Water Corporation
Books	has the same meaning given to that term under the EP Act.
Category/ Categories/ Cat.	Categories of Prescribed Premises as set out in Schedule 1 of the EP Regulations
CS Act	Contaminated Sites Act 2003 (WA)
Decision Report	refers to this document.
Delegated Officer	an officer under section 20 of the EP Act.
Department	means the department established under section 35 of the <i>Public Sector Management Act 1994</i> and designated as responsible for the administration of Part V, Division 3 of the EP Act.
DWER	Department of Water and Environmental Regulation
	As of 1 July 2017, the Department of Environment Regulation (DER), the Office of the Environmental Protection Authority (OEPA) and the Department of Water (DoW) amalgamated to form the Department of Water and Environmental Regulation (DWER). DWER was established under section 35 of the <i>Public Sector Management Act 1994</i> and is responsible for the administration of the <i>Environmental Protection Act 1986</i> along with other legislation.
EPA	Environmental Protection Authority
EP Act	Environmental Protection Act 1986 (WA)
EP Regulations	Environmental Protection Regulations 1987 (WA)
EPBC Act	Environment Protection and Biodiversity Conservation Act 1999 (Cth)
Existing Licence	The Licence issued under Part V, Division 3 of the EP Act and in force prior to the commencement of this Works Approval.
Licence Holder/ Works Approval Holder	Water Corporation

m ³	cubic metres
Minister	the Minister responsible for the EP Act and associated regulations
NEPM	National Environmental Protection Measure
Noise Regulations	Environmental Protection (Noise) Regulations 1997 (WA)
Occupier	has the same meaning given to that term under the EP Act.
Prescribed Premises	has the same meaning given to that term under the EP Act.
Premises	refers to the premises to which this Decision Report applies, as specified at the front of this Decision Report
Primary Activities	as defined in Schedule 2 of the Revised Licence
Risk Event	As described in Guidance Statement: Risk Assessment
UDR	Environmental Protection (Unauthorised Discharges) Regulations 2004 (WA)

Interpretation

In this Works Approval:

- (a) the words 'including', 'includes' and 'include' will be read as if followed by the words 'without limitation';
- (b) where any word or phrase is given a defined meaning, any other part of speech or other grammatical form of that word or phrase has a corresponding meaning;
- (c) where tables are used in a Condition, each row in a table constitutes a separate Condition;
- (d) any reference to an Australian or other standard, guideline or code of practice in this Works Approval means the version of the standard, guideline or code of practice in force at the time of granting of this Works Approval and includes any amendments to the standard, guideline or code of practice which may occur from time to time during the course of the Works Approval; and
- (e) unless specified otherwise, any reference to a section of an Act refers to that section of the EP Act.

Conditions

Infrastructure and equipment

- **1.** The Works Approval Holder must install and undertake the Works for the infrastructure and equipment:
 - (a) specified in Column 1;
 - (b) to the requirements specified in Column 2; and
 - (c) at the location specified in Column 3

of Table 2 below.

2. The Works Approval Holder must not depart from the requirements specified in Column 2 of

- **3.** Table 2 except:
 - (a) where such departure does not increase risks to public health, public amenity or the environment; and
 - (b) all other Conditions in this Works Approval are still satisfied.
- **4.** Subject to Condition 1, within 30 days of the completion of the Works specified in Column 1 of Table 2, the Works Approval Holder must provide to the CEO an engineering certification from a suitably qualified professional confirming each item of infrastructure or component of infrastructure specified in Column 1 of

- **5.** Table 2 below has been constructed with no material defects and to the requirements specified in Column 2.
- **6.** Where a departure from the requirements specified in Column 2 of Table 2 occurs, the Works Approval Holder must provide to the CEO a description of, and explanation for, the departure along with the certification required by Condition 3(b).

Column 1 Column 2		Column 3		
	Infrastructure/ Requirements (design and construction) Equipment		Site plan reference	
1)	Holding (balance) tanks x 2	a) b)	Install two new double skinned, polyethylene balance tanks with covers (1 x 13 kL; 1 x 20kL), placed on a concrete hardstand; Undertake hydrostatic testing of tanks.	Application supporting documentation, section 1.
2)	Aerators x 3	a)	Install three new aerators.	See Schedule 1: Maps
3)	Clarifier tank x 1	a)	Convert the existing balance tank into a clarifier tank to improve solids removal.	Maps
4)	UV treatment unit x 1	a)	Replace current UV treatment unit with new UV disinfection treatment equipment.	
5)	Decanter system	a)	Disable the decanter function.	
6)	Inlet screening	a)	Install new inlet screening equipment to improve solid waste removal.	
7)	Switchboard control system	a)	Upgrade of switchboard system to convert process from IDEA plant to a continuous process.	
8)	Sludge and effluent pumps	a)	Relocation of the existing sludge and effluent pumps within the balance tank.	
9)	Pipework	a)	Ensure all pipe joints are sealed and hydrostatically tested for leaks.	-

Table 2: Infrastructure and equipment requirements table

Emissions

7. The Works Approval Holder must not cause any Emissions from the Works authorised through this Works Approval except for specified Emissions and general Emissions described in Column 1 of Table 3, subject to the exclusions, limitations or requirements specified in Column 2, of Table 3.

Table 3: Authorised	I Emissions table
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Column 1	Column 2	
Emission type	Exclusions/Limitations/Requirements	
Specified Emissions		
Treated wastewater	Subject to compliance with the regulatory	

Column 1	Column 2
Emission type	Exclusions/Limitations/Requirements
Sludge/ leachates	controls defined within existing licence L8335/2009/4.
General Emissions (excluding Specified Emissions)	
Emissions which arise from undertaking the Works set out in Table 2.	Emissions excluded from General Emissions are:
• Dust	Unreasonable Emissions; or
• Noise	 Emissions that result in, or are likely to result in, Pollution, Material Environmental Harm or Serious Environmental Harm; or
	 Discharges of Waste in circumstances likely to cause Pollution; or
	 Emissions that result, or are likely to result in, the Discharge or abandonment of Waste in water to which the public has access; or
	 Emissions or Discharges which do not comply with an Approved Policy; or
	 Emissions or Discharges which do not comply with prescribed standard; or
	 Emissions or Discharges which do not comply with the conditions in an Implementation Agreement or Decision; or
	• Emissions or Discharges the subject of offences under regulations prescribed under the EP Act, including materials discharged under the Environmental Protection (Unauthorised Discharges) Regulations 2004.

8. The Works Approval Holder must ensure that pollution equipment (spill kits, absorbency materials, temporary bunding etc) is available and utilised in the event of any spills or leaks occurring as a result of the works defined in Condition 1.

Record-keeping

- **9.** The Works Approval Holder must maintain accurate Books including information, reports and data in relation to the Works and the Books must:
 - (a) be legible;
 - (b) if amended, be amended in such a ways that the original and subsequent amendments remain legible or are capable of retrieval;
 - (c) be retained for at least 3 years from the date the Books were made;
 - (d) be available to be produced to an Inspector or the CEO.
- **10.** The Works Approval Holder must comply with a Department Request within 14 days from the date of the Department Request or such other period as agreed to by the Inspector or the CEO.

Schedule 1: Maps

Premises map The Premises is shown in the map below.



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Map of new process flow diagram for the proposed works

Ocean Disposal

Typical outlet wastewater quality BOD: 5 mg/L SS: 10 mg/L E.colf: <10/100 mL

Schedule 2: Works

Site layout The infrastructure and equipment are set out on the Premises in accordance with the site layout specified on the Premises maps in Schedule 1.