



Works approval number W6419/2020/1

Works approval holder Shire of Dundas

ACN NA

Registered business address 82-92 Prinsep Street
NORSEMAN WA 6443

DWER file number DER2020/000267

Duration 14/09/2020 to 13/09/2025

Date of issue 14/09/2020

Premises details Norseman Liquid Waste Facility
Part of Crown Reserve 3476
Denison Drive
NORSEMAN WA 6443
As defined by the coordinates in Schedule 1

Prescribed premises category description (Schedule 1, <i>Environmental Protection Regulations 1987</i>)	Assessed design capacity
Category 61: Liquid waste facility: premises on which liquid waste produced on other premises (other than sewerage waste) is stored, reprocessed, treated or irrigated.	300 tonnes per annual period

This works approval is granted to the works approval holder, subject to the attached conditions, on 14 September 2020, by:

Steve Checker

**MANAGER WASTE INDUSTRIES
REGULATORY SERVICES**

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

Works approval history

Date	Reference number	Summary of changes
10/09/2020	W6419/2020/1	Works approval granted.

Interpretation

In this works approval:

- (a) the words 'including', 'includes' and 'include' in conditions mean "including but not limited to", and similar, as appropriate;
- (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:
 - (i) if dated, refers to that particular version; and
 - (ii) if not dated, refers to the latest version and therefore may be subject to change over time;
- (e) unless specified otherwise, any reference to a section of an Act refers to that section of the EP Act; and
- (f) unless specified otherwise, all definitions are in accordance with the EP Act.

NOTE: This works approval requires specific conditions to be met but does not provide any implied authorisation for other emissions, discharges, or activities not specified in this works approval.

Works approval conditions

The works approval holder must ensure that the following conditions are complied with:

Infrastructure and equipment

1. The works approval holder must:
 - (a) construct and/or install the infrastructure and/or equipment;
 - (b) in accordance with the corresponding design and construction / installation requirements; and
 - (c) at the corresponding infrastructure location; and
 - (d) within the corresponding timeframe,
 as set out in Table 1.

Table 1: Design and construction / installation requirements

	Infrastructure	Design and construction / installation requirements	Infrastructure location
1.	Evaporative drying bed	<ul style="list-style-type: none"> To be of impervious concrete construction and free of leaks and defects¹; To be 32m x 32m in dimension¹; Incorporates a concrete bund wall of at least 300 mm to ensure all liquid waste is contained within the drying bed; All pipelines will be HDPE with welded joints; Capacity to store a 24-hour duration, 1 in 20 year ARI critical rainfall event without overflow; and Designed so that a minimum top of embankment freeboard of 500 mm is able to be maintained during operation. 	As shown in schedule 3 – Design drawings
2.	Filter bed	<ul style="list-style-type: none"> To be of impervious concrete construction and free of leaks and defects; To be 8m x 5m in dimension¹; Must have sufficient fall to discharge the separated liquids into the adjacent existing liquid waste pond where anaerobic and aerobic action will commence; and All pipelines will be HDPE with welded joints; 	As shown in schedule 3 – Design drawings
3.	Deep Sump	<ul style="list-style-type: none"> To be of impervious concrete construction and free of leaks and defects; The sump must be located at the extremity of the drying bed to allow for pumping as and when required; 	As shown in schedule 3 – Design drawings

	Infrastructure	Design and construction / installation requirements	Infrastructure location
		<ul style="list-style-type: none"> To be approximately 100mm x 1000mm x 600mm in dimension¹; Capacity to store a 24-hour duration, 1 in 20 year ARI critical rainfall event without overflow; and All pipelines will be HDPE with welded joints. 	

Note 1: Variation in dimension is permitted provided engineer certification of equivalent or greater performance is provided with the report provided with Condition 2

Compliance reporting

2. The Works Approval Holder must within 30 calendar days of all items of infrastructure or equipment required by Condition 1 being constructed and/or installed:
 - (a) undertake an audit of their compliance with the requirements of Condition 1; and
 - (b) prepare and submit to the CEO an Environmental Compliance Report on that compliance.
3. The Environmental Compliance Report required by Condition 2, must include as a minimum the following:
 - (a) certification by a suitably qualified construction, civil or structural engineer that the items of infrastructure or component(s) thereof, as specified in Condition 1, have been constructed in accordance with the relevant requirements specified in Condition 1;
 - (b) as constructed plans and a detailed site plan for each item of infrastructure or component of infrastructure specified in Condition 1; and
 - (c) be signed by a person authorised to represent the Works Approval Holder and contains the printed name and position of that person.

Records and reporting (general)

4. The works approval holder must record the following information in relation to complaints received by the works approval holder (whether received directly from a complainant or forwarded to them by the Department or another party) about any alleged emissions from the premises:
 - (a) the name and contact details of the complainant, (if provided);
 - (b) the time and date of the complaint;
 - (c) the complete details of the complaint and any other concerns or other issues raised; and
 - (d) the complete details and dates of any action taken by the works approval holder to investigate or respond to any complaint.
5. The works approval holder must maintain accurate and auditable books including the following records, information, reports, and data required by this works approval:
 - (a) the works conducted in accordance with condition 1;
 - (b) any maintenance of infrastructure that is performed in the course of complying with condition 1;

(c) complaints received under condition 4.

6. The books specified under condition 5 must:

(a) be legible;

(b) if amended, be amended in such a way that the original version(s) and any subsequent amendments remain legible and are capable of retrieval;

(c) be retained by the works approval holder for the duration of the works approval; and

(d) be available to be produced to an inspector or the CEO as required.

Definitions

In this works approval, the terms in Table 1 have the meanings defined.

Table 1: Definitions

Term	Definition
books	has the same meaning given to that term under the EP Act.
CEO	means Chief Executive Officer. CEO for the purposes of notification means: Director General Department administering the <i>Environmental Protection Act 1986</i> Locked Bag 10 Joondalup DC WA 6919 info@dwer.wa.gov.au
critical containment infrastructure	means the items of infrastructure listed in condition 1.
Critical Containment Infrastructure Report	means a report to satisfy the CEO that works of critical containment infrastructure have been constructed in accordance with the works approval.
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.
discharge	has the same meaning given to that term under the EP Act.
emission	has the same meaning given to that term under the EP Act.
environmental commissioning	means the sequence of activities to be undertaken to test equipment integrity and operation, or to determine the environmental performance, of equipment and infrastructure to establish or test a steady state operation and confirm design specifications.
Environmental Commissioning Report	means a report on any commissioning activities that have taken place and a demonstration that they have concluded, with focus on emissions and discharges, waste containment, and other environmental factors.
Environmental Compliance Report	means a report to satisfy the CEO that the conditioned infrastructure and/or equipment has been constructed and/or installed in accordance with the works approval.
EP Act	<i>Environmental Protection Act 1986 (WA)</i> .
EP Regulations	<i>Environmental Protection Regulations 1987 (WA)</i> .

Term	Definition
premises	the premises to which this licence applies, as specified at the front of this licence and as shown on the premises map (Figure 1) in Schedule 1 to this works approval.
prescribed premises	has the same meaning given to that term under the EP Act.
time limited operations	refers to the operation of the infrastructure and equipment identified under this works approval that is authorised for that purpose, subject to the relevant conditions.
waste	has the same meaning given to that term under the EP Act.
works approval	refers to this document, which evidences the grant of the works approval by the CEO under section 54 of the EP Act, subject to the conditions.
works approval holder	refers to the occupier of the premises being the person to whom this works approval has been granted, as specified at the front of this works approval.

END OF CONDITIONS

Schedule 1: Maps

Premises map

The boundary of the prescribed premises is shown in the map below (Figure 1).

Figure 1: Map of the boundary of the prescribed premises



Schedule 2: Premises boundary

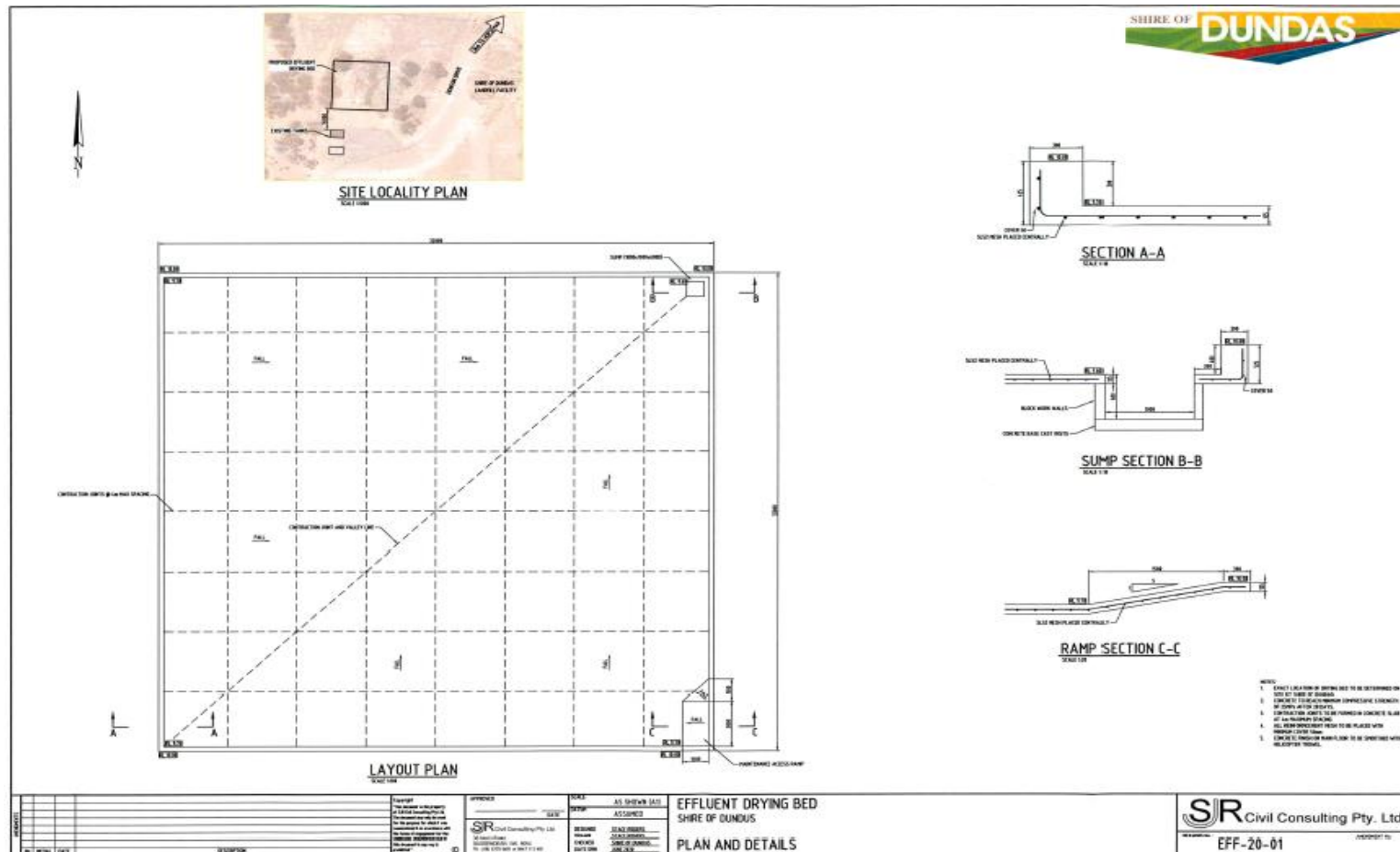
The premises boundary is defined by the coordinates in Table 2.

Table 2: Premises boundary coordinates

Latitude	Longitude
121.757203	-32.219170
121.757072	-32.219616
121.757006	-32.220069
121.757143	-32.220099
121.757586	-32.219975
121.757937	-32.219240

Schedule 3: Design drawings

Evaporative drying bed and deep sump

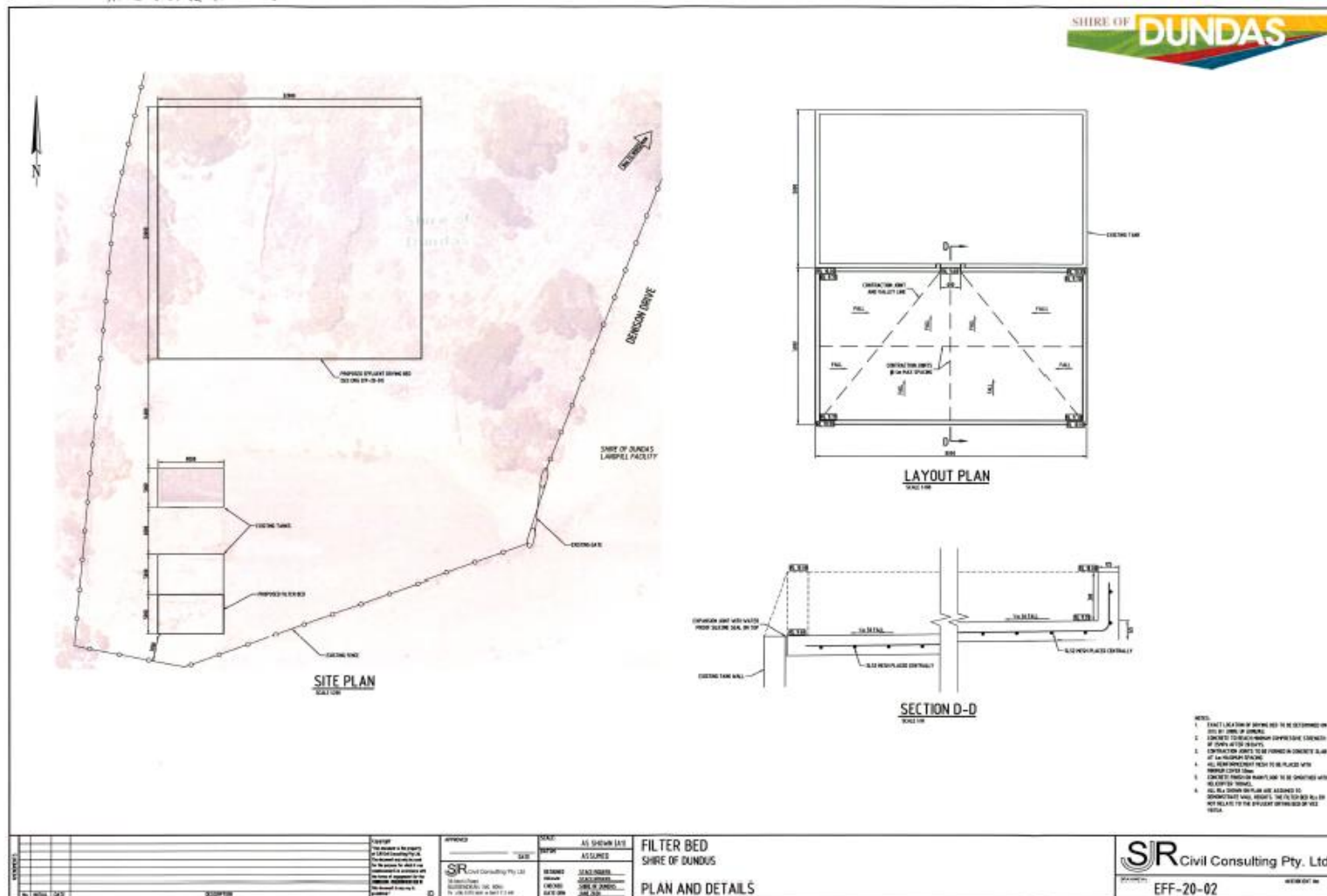


W6419/2020/1

Date of works approval issue: 14 September 2020

IR-T05 Works approval template (v5.0) (February 2020)

Filter drying bed



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