



Works Approval

Works approval number W6428/2020/1

Works approval holder Shire of Merredin

Registered office Shire of Merredin Administration Centre
Lot 1444 King Street, MERREDIN WA

DWER file number DER2020/000353

Duration 28/08/2020 to 01/12/2020

Date of issue 28/08/2020

Premises details Lot 500 Chandler-Merredin Road MERREDIN WA 6415
Legal description -
Lot 500 on Plan 66111

Prescribed premises category description (Schedule 1, <i>Environmental Protection Regulations 1987</i>)	Assessed design capacity
Category 35: Asphalt Manufacturing	200 tonnes of asphalt per hour

This works approval is granted to the works approval holder, subject to the attached conditions, on 28 August 2020, by:

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

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:

Equipment

1. The works approval holder must:
 - (a) install and operate the equipment; and
 - (b) in accordance with the corresponding installation requirements;as set out in Table 1.

Table 1: Design, installation and operational requirements

	Equipment	Design, installation and operational requirements
1.	Asphalt manufacturing plant	Make and model to be the Ciber iNOVA 2000 or equivalent drier fueled by diesel. Waste gasses to be treated by a baghouse filter prior to discharge to the environment.

Authorised discharge point for emissions

2. The works approval holder must ensure that the emissions specified in Table 2, are discharged only from the corresponding discharge point and only at the corresponding discharge point location.

Table 2: Authorised discharge points

Emission	Discharge point
Waste gasses from the asphalt manufacturing plant	Stack on the asphalt manufacturing plant

Emission limits

3. The works approval holder must ensure that emissions from the discharge point listed in Table 3 for the corresponding parameter do not exceed the corresponding limit when monitored in accordance with condition 4.

Table 3: Emission and discharge limits

Discharge point	Parameter	Limit
Asphalt manufacturing plant stack	Particulate matter (PM)	50 mg/m ³

Monitoring

4. The works approval holder must monitor emissions:

- (a) from the discharge point;
- (b) for the corresponding parameter;
- (c) at the corresponding frequency;
- (d) for the corresponding averaging period;
- (e) in the corresponding unit; and
- (f) using the corresponding method,

as set out in Table 4.

Table 4: Emissions and discharge monitoring

Discharge point	Parameter	Reporting unit ^{1, 2}	Averaging period	Frequency	Method
Asphalt manufacturing plant stack	PM	mg/m ³ g/s	Stack test (minimum 60 minute average)	Once during the period of operation of the asphalt manufacturing plant at the premises	USEPA Method 5 or USEPA Method 17
	NO _x	mg/m ³ g/s	Stack test (minimum 30 minute average)		USEPA Method 7E
	Carbon monoxide				USEPA Method 10
	Sulfur dioxide	mg/m ³ g/s	Stack test (minimum 30 minute average)		USEPA Method 6, 6C or 8
	Total Volatile Organic Compounds	mg/m ³ g/s	Stack test (minimum 30 minute average)		USEPA Method 18

Note 1: All units are referenced to STP dry

Note 2: Concentration units are referenced to 17% O₂.

5. The works approval holder must record the results of all monitoring activity required by condition 4.

6. The works approval holder must ensure that all monitoring and analysis as required per condition 4 is undertaken by a holder of a current NATA accreditation for the relevant parameters and/or methods as per condition 4.

Mobilisation and demobilisation

7. The works approval holder must mobilise the asphalt plant to the premises within four weeks from the date of issue of this works approval.
8. The works approval holder must demobilise the asphalt plant from the premises prior to the expiry date of this works approval.

Records and reporting

9. 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.
10. 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) monitoring programmes undertaken in accordance with condition 4; and
 - (d) complaints received under condition 9.
11. The books specified under condition 10 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.
12. The works approval holder must prior to the expiry of this works approval:
 - (a) undertake an audit of their compliance against the requirements of the conditions of this works approval; and
 - (b) prepare and submit to the CEO an audit report on that compliance.
13. The report required by condition 12 must include the results and original report from the monitoring conducted under condition 4.

Definitions

In this works approval, the terms in Table 5 have the meanings defined.

Table 5: Definitions

Term	Definition
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
demobilise	means disassembling on the premises and removing from the premises
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.
EP Act	<i>Environmental Protection Act 1986</i> (WA).
EP Regulations	<i>Environmental Protection Regulations 1987</i> (WA).
mobilise	means transporting to the premises and assembling on the premises
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.
USEPA	refers to the United States Environmental Protection Agency
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