



Works approval number W6924/2024/1

Works approval holder Kemerton DB Pty Ltd
ACN 670 430 583
Registered business address Level 15 2 the Esplanade
PERTH WA 6000
DWER file number DER2024/000141

Duration 03/09/2024 to 02/09/2027

Date of issue 03/09/2024

Premises details Kemerton DB Peaking Station

67 Devlin Road
WELLESLEY WA 6233
Legal description
Part of Lot 254 on Deposited Plan 416516
As defined by the coordinates in Schedule 2

Prescribed premises category description (Schedule 1, <i>Environmental Protection Regulations 1987</i>)	Assessed design capacity
Category 52: Electrical power generation: premises (other than premises within Category 53 or an emergency or standby power generating plant) on which electrical power is generated using a fuel.	19.9 MW

This works approval is granted to the works approval holder, subject to the attached conditions, on 3 September 2024, 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:

Construction phase

Infrastructure and equipment

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

Table 1: Design and construction or installation requirements

	Infrastructure	Design and construction or installation requirements	Infrastructure location
1.	10 x CAT® 3516B-HD generator sets fitted with alternator type SR4BHV frame 2770 or equivalent	<ol style="list-style-type: none"> a) Generators must be installed in accordance with the manufacturer's specifications. b) Thee five generator sets in each grouping (power plant) must be constructed with piping to direct exhaust gases to a common exhaust stack. c) The common exhaust stack for each power plant must have a minimum height 12.5 metres above ground level. d) The common exhaust stack for each power plant must be fitted with a sampling port that meets requirements of AS 4323.1 for the purpose of emission monitoring. e) Exhaust mufflers must be installed on the roof of each generator set. f) Each generator set must be installed within a noise attenuating enclosure with acoustic lining. g) Each generator set must be self-bunded in accordance with the requirements of section 5.9 of AS 1940. h) Generator set bunding must be covered to prevent rainfall ingress. 	Schedule 1 Figure 2 (Diesel genset 1-5)
2.	2 x bundled transformers	<ol style="list-style-type: none"> a) Transformers must be established within a concrete containment bund which has been designed and constructed in accordance with AS1940. b) Transformer containment bunds must be constructed with spillage containment sumps and graded toward the sump. 	Schedule 1 Figure 2 (Transformer)
3.	2 x 55 kL diesel	<ol style="list-style-type: none"> a) Diesel storage tanks must be self-bunded in accordance with the requirements of section 	Schedule 1 Figure 2

	Infrastructure	Design and construction or installation requirements	Infrastructure location
	storage tanks	5.9 of AS 1940. b) Diesel storage tanks must meet the requirements of AS 1692. c) Pumps and connections must be located within the tank bunding.	(Bulk diesel tank)
4.	Hardstand plant area	a) The power plant footprint must be covered with blue metal for dust suppression.	NA

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 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 qualified engineer that the items of infrastructure or components 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.

Time limited operations phase

Commencement and duration

4. The works approval holder may only commence time limited operations for the items of infrastructure identified in condition 1 when the Environmental Compliance Report for those items of infrastructure as required by condition 2 has been submitted by the works approval holder.
5. The works approval holder may conduct time limited operations for an item of infrastructure specified in condition 1 (as applicable):
 - (a) for a period not exceeding 180 calendar days from the day the works approval holder meets the requirements of condition 4 for that item of infrastructure; or
 - (b) until such time as a licence for that item of infrastructure is granted in accordance with Part V of the *Environmental Protection Act 1986*, if one is granted before the end of the period specified in condition 5(a).
6. During time limited operations, the works approval holder must ensure that the emission(s) specified in Table 2, are discharged only from the corresponding discharge point(s) and only at the corresponding discharge point location(s).

Table 2: Authorised discharge points

Emission	Discharge point	Minimum stack height (m AGL)	Discharge point location
CO, NO _x , SO ₂ , Particulates	A1 and A2	12.5	Exhaust stacks in Schedule 1 Figure 2

7. During time limited operations, the works approval holder must ensure that the premises infrastructure and equipment listed in Table 3 and located at the corresponding infrastructure location is maintained and operated in accordance with the corresponding operational requirement set out in Table 3.

Table 3: Infrastructure and equipment requirements during time limited operations

	Site infrastructure and equipment	Operational requirement	Infrastructure location
1.	CAT® 3516B-HD generator sets	a) Must be maintained in accordance with manufacturer's specifications and schedule. b) Must be operated on low sulfur diesel which has a sulfur content of less than 10 mg/kg. c) Hydrocarbon leaks and spillages, whether inside or outside of containment, must be contained, recovered and disposed offsite at an appropriately licensed facility. d) Must not be operated for greater than 4,800 hours in aggregate per year.	Schedule 1 Figure 2 (Diesel genset 1-5)
2.	Bunded transformers	a) Hydrocarbon leaks and spillages, whether inside or outside of containment, must be contained, recovered and disposed offsite at an appropriately licensed facility.	Schedule 1 Figure 2 (Transformer)
3.	Diesel storage tanks	a) Hydrocarbon leaks and spillages, whether inside or outside of containment, must be contained, recovered and disposed offsite at an appropriately licensed facility. b) Stocked spill response kits must be available at the diesel storage tanks.	Schedule 1 Figure 2 (Bulk diesel tank)

Monitoring during time limited operations

8. During time limited operations, the works approval holder must undertake the process monitoring in Table 4 according with the requirements specified in that table and record the results of all such monitoring.

Table 4: Process monitoring

Monitoring reference	point	Parameter	Units	Frequency	Averaging period
CAT® 3516B-HD generator set		Generator run time (dates and hours operated)	hours	Continuous during operation	Hourly
Depicted as Diesel genset 1-5 in Schedule 1 Figure 2		Electricity generated	MWh		

9. The licence holder must undertake the monitoring in Table 5 according to the specifications in that table and record the results of all such monitoring.

Table 5: Monitoring of point source emissions to air

Discharge point reference	Parameter	Units ^{1,2}	Averaging	Frequency	Method ³
A1 and A2	Oxides of Nitrogen (NO _x)	mg/m ³ and g/s	>30 mins	Once within the time limited operation period.	USEPA Method 7E
	Volumetric flow rate and velocity	m ³ /s			USEPA Method 2

Note 1: All units are referenced to STP dry.

Note 2: All units are referenced to 3% O₂

Note 3: Where any USEPA method refers to USEPA Method 1 for the sampling plane, this must be read as referral to AS 4323.1

10. The works approval holder must ensure all sampling and analysis undertaken pursuant to condition 9 is undertaken by a holder of NATA accreditation for the relevant methods of sampling and analysis.

Compliance reporting

11. The works approval holder must submit to the CEO a report on the time limited operations within 60 calendar days of the completion date of time limited operations or 14 calendar days before the expiration date of the works approval, whichever is the sooner.
12. The works approval holder must ensure the report required by condition 11 includes the following:
- a summary of the time limited operations, including timeframes, hours of operation of each generator and Mwe of electricity produced;
 - a summary of monitoring conducted in accordance with condition 8 and condition 9.
 - a review of performance and compliance against the conditions of the works approval; and
 - where the conditions of this works approval have not been met, what measures will the works approval holder take to meet them, and what timeframes will be required to implement those measures.

Records and reporting (general)

13. 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:
- the name and contact details of the complainant, (if provided);
 - the time and date of the complaint;
 - the complete details of the complaint and any other concerns or other issues raised; and
 - the complete details and dates of any action taken by the works approval holder to investigate or respond to any complaint.
14. 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 7;
- (c) monitoring programmes undertaken in accordance with conditions 8 and 9; and
- (d) complaints received under condition 13.

15. The books specified under condition 14 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 6 have the meanings defined.

Table 6: Definitions

Term	Definition
AS1692	means Australian Standard AS1692 <i>Steel tanks for flammable and combustible liquids</i>
AS1940	means Australian Standard AS 1940 <i>The storage and handling of flammable and combustible liquids</i>
AS4323.1	Australian Standard AS4323.1 <i>Stationary Source Emissions - Selection of Sampling Positions</i>
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
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.
Environmental Compliance Report	means a report to satisfy the CEO that the conditioned infrastructure and equipment has been constructed 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> .
m AGL	means metres above ground level
NATA	means National Association of Testing Authorities
premises	the premises to which this licence applies, as specified at the front of this licence and as shown on the premises map Figure 2 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.
USEPA Method 2	means <i>USEPA Method 2 Determination of Stack Gas Velocity</i>

Term	Definition
	<i>and Volumetric Flow Rate (Type S Pitot Tube)</i>
USEPA Method 7E	means <i>USEPA Method 7E Determination of Nitrogen Oxides Emissions from Stationary Sources (Instrumental Analyzer Procedure)</i>
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 Figure 1 below and plant layout and discharge points are shown in Figure 2.



Figure 1: Map of the boundary of the prescribed premises

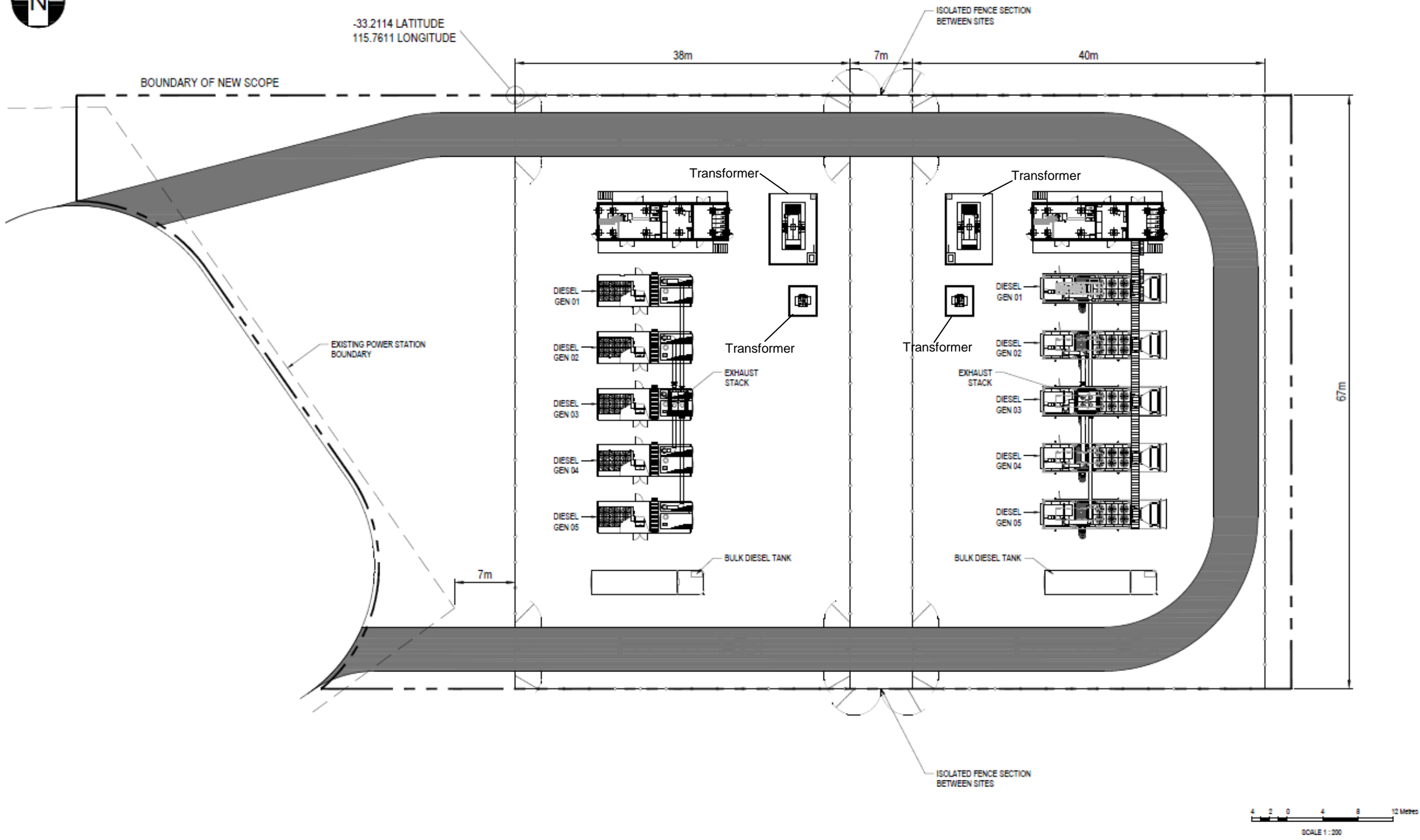


Figure 2: Plant layout and discharge points

Schedule 2: Premises boundary

The corners of the premises boundary are the coordinates listed in Table 7.

Table 7: Premises boundary coordinates (GDA2020)

	Latitude	Longitude
1.	-33.211395	115.760590
2.	-33.211390	115.762001
3.	-33.211992	115.761997
4.	-33.211993	115.761089