



Works Approval Number	W6176/2018/1
Works Approval Holder	Puma Energy (Australia) Kwinana Pty Ltd
ACN	167 227 858
Registered business address	'Grosvenor PI' Level 12, 225 George Street SYDNEY NSW 2000
File Number	DER2018/001333
Duration	16/01/2019 to 16/01/2022
Date of transfer	03/08/2020
Prescribed Premises	Category 73 – Bulk Storage of chemicals etc.
Premises	Puma Energy Kwinana Fuel Terminal Kwinana Beach Road, Kwinana Legal description - Part of Lot 9002 on Plan 68876 Part of Certificate of Title Volume 2766 Folio 290 As defined by the coordinates in Schedule 1 As shown on the Premises map in Appendix 1

This amendment is granted to the Works Approval Holder, subject to the following conditions, on 03/08/2020, by:

Daniel Hartnup
**SNR ENVIRONMENTAL OFFICER, PROCESS 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
CEO	means Chief Executive Officer. CEO for the purposes of notification means: Chief Executive Officer Department Administering the <i>Environmental Protection Act 1986</i> Locked Bag 10 JOONDALUP DC WA 6027 Email: info@dwer.wa.gov.au
Condition	means a condition to which this Works Approval is subject under s.62 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.
Department Request	means a request for Books or other sources of information to be produced, made by an Inspector or the CEO to the Works Approval Holder in writing and sent to the Works Approval's address for notifications, as described at the front of this Works Approval, in relation to: (a) compliance with the EP Act or this Works Approval; (b) the Books or other sources of information maintained in accordance with this Works Approval; or (c) the Books or other sources of information relating to Emissions from the Premises.
DWER	Department of Water and Environmental Regulation
EP Act	means the <i>Environmental Protection Act 1986</i> (WA).
EP Regulations	means the <i>Environmental Protection Regulations 1987</i> (WA).
Inspector	means an Inspector appointed by the CEO in accordance with s.88 of the EP Act.
Premises	refers to the premises to which this Works Approval applies, as specified at the front of this Works Approval and as shown on the map in Schedule 1 to this Works Approval.
Works	refers to the Works described in Schedule 2, at the locations shown in Schedule 1 of this Works Approval to be carried out at the Premises, subject to the Conditions.
Works Approval	refers to this document, which evidences the grant of the works approval by the CEO under s.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.

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 of Table 4 in Schedule 2; and
 - (b) to the requirements specified in Column 2 of Table 4 Schedule 2; of Schedule 2.
2. The Works Approval Holder must not depart from the requirements specified in Column 2 of Table 4 in Schedule 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.
3. Within 30 days of the completion of the Works specified in Column 1 of Table 4 in Schedule 2, the Works Approval Holder must provide to the CEO certification from an Engineer confirming each item of infrastructure or component of infrastructure specified in Column 1 of Table 4 in Schedule 2 has been constructed with no material defects and to the requirements specified in Column 2 of Table 4 in Schedule 2.
4. Where a departure from the requirements specified in Column 2 of Table 4 in Schedule 2 occurs and is of a type allowed by Condition 2, 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.

Emissions

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

Table 2: Authorised Emissions table

Column 1	Column 2
General Emissions	
Emissions which arise from undertaking the Works set out in Schedule 2.	<p>Emissions excluded from General Emissions are:</p> <ul style="list-style-type: none">• Unreasonable Emissions; or• 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 <i>Environmental Protection (Unauthorised Discharges) Regulations 2004</i>.

Record-keeping

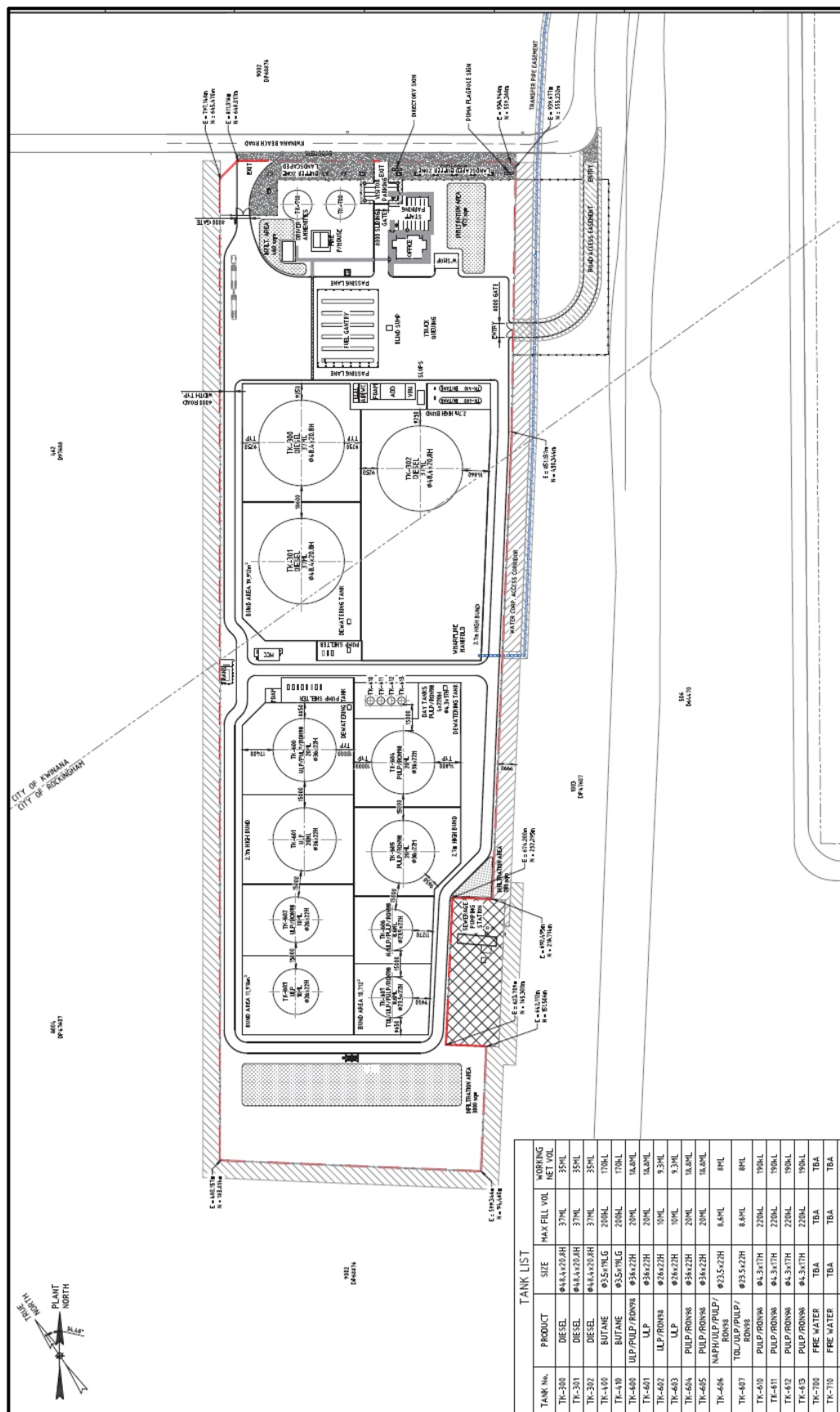
6. The Works Approval Holder must maintain accurate Books including information, reports and data in relation to the Works and the Books must:
 - (a) be legible;
 - (b) if amended, be amended in such a way that the original and subsequent amendments remain legible or are capable of retrieval;
 - (c) 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.
7. 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 boundary of the Premises shown in yellow on the map below.





Premises boundary

The Premises boundary is defined by the coordinates in Table 3.

Table 3: Premises boundary coordinates

Point #	PCG94		GDA94 MGA Zn50	
	Easting	Northing	Easting	Northing
1	44,797.2256	230,645.2734	383,325.1417	6,431,398.0511
2	44,811.0807	230,647.8199	383,338.9646	6,431,400.7495
3a	44,939.0423	230,559.2078	383,467.8653	6,431,313.5733
3b	44,939.7789	230,555.0221	383,468.6478	6,431,309.3970
4	44,851.2478	230,430.1546	383,381.5184	6,431,183.5905
5	44,692.6007	230,218.5324	383,225.2497	6,430,970.2818
6	44,674.1978	230,232.3285	383,206.7001	6,430,983.8712
7	44,623.8119	230,165.1179	383,157.0696	6,430,916.1249
8	44,642.2137	230,151.3226	383,175.6180	6,430,902.5365
9	44,599.4473	230,094.2795	383,133.4927	6,430,845.0387
10	44,480.3057	230,183.5680	383,013.4020	6,430,932.9882

Schedule 2: Works

At the time of assessment, Emissions and Discharges from the Works listed in Table 4 were considered in the determination of the risk and related Conditions for the Works Approval.

Table 4: Authorised Works

Works	Specifications/Drawings
Diesel storage tanks	<p>Diesel storage tanks to be constructed as follows:</p> <ul style="list-style-type: none"> • 3 x above ground, vertical diesel storage tanks, each with a maximum fill volume of 37 mega litres (ML) and working net volume of 35 ML • Located on impermeable graded floors with a closed drainage system and sump • Surrounded by impermeable bund capable of containing 110% volume of the largest diesel storage tank • Tank control instrumentation including radar tank level gauges, high- level alarm sensors (with site wide annunciator system), temperature transmitters and valve position indicators • Tanks fitted with fail safe (normally fail closed) valves on tank draw offs
Motor spirit storage tanks	<p>Motor spirit storage tanks to be constructed as follows:</p> <ul style="list-style-type: none"> • 4 x above ground vertical motor spirit storage tanks, each with a maximum fill volume of 20 ML and working net volume of 18.8 ML • 2 x above ground vertical motor spirit storage tanks, each with a maximum fill volume of 10 ML and working net volume of 9.3 ML • 2 x above ground vertical motor spirit storage tanks (toluene and naphtha/isomerate etc.), each with a maximum fill volume of 8.6 ML and working net volume of 8 ML • 4 x above ground vertical motor spirit storage tanks, each with a maximum fill volume of 220 kL and working net volume of 190 kL • Located on impermeable graded floors with a closed drainage system and sump • Surrounded by an impermeable bund capable of containing 110% volume of the largest tank in the compound • Tank control instrumentation including radar tank level gauges, high level alarm sensors (with site wide annunciator system), temperature transmitters and valve position indicators • Tanks fitted with fail safe (normally fail closed) valves on draw off lines • Floating internal covers to minimise evaporation loss • Tank mixers installed in 2 x 20 ML and 1 x 8.4 ML motor spirit storage tanks • Jet mixing nozzles installed on all motor spirit storage tanks
Butane storage tanks	<p>Butane tanks to be constructed as follows:</p> <ul style="list-style-type: none"> • 2 x horizontal pressurised bullet tanks with a maximum fill volume of 200 kL and working net volume of 170 kL • Located on concrete hard stand • Tank control instrumentation including radar tank level gauges, high level alarm sensors (with site wide annunciator system), temperature transmitters and valve position indicators • Tanks fitted with fail safe (normally fail closed) valves on draw off lines
Loading gantry	<p>Loading gantry facilities to be constructed as follows:</p> <ul style="list-style-type: none"> • Fuel compatible concrete floor with roll over bund • Self-draining floor into a local sump / holding tank • Roofed truck loading bays • Tanker bottom fill with overfill and earth protection • Vapour recovery system • Operation instrumentation including emergency shutdown systems • Additive storage

Works	Specifications/Drawings
Additive storage	Additives storage area to be constructed as follows: <ul style="list-style-type: none"> • Dedicated storage area for small quantities of ULP diesel detergent and additives (other than butane, toluene and naphtha) • Located on hard stand
Surface water management system	Surface water management system to be constructed as follows: <ul style="list-style-type: none"> • Engineered drainage system designed to contain and treat potentially contaminated storm water • Oily water separator • 4,970 m3 of surface water infiltration areas
Firefighting system	Firefighting system to be constructed as follows: <ul style="list-style-type: none"> • 2 x fire water tanks • Pumps to supply water to the fire water system • Firefighting foam including foam pourers • Ring main and hydrant system • Gantry foam deluge system • Tank cooling water system
Administration area and driver amenities	Administration area to be constructed as follows: <ul style="list-style-type: none"> • Aerated Treatment Unit (ATU) in line with Department of Health approved systems