Government of Western Australia
Department of Water and Environmental Regulation

# Works Approval

| | |
|---|---|
| **Works approval number** | W6801/2023/1 |
| **Works approval holder** | Puma Energy (Australia) Kwinana Pty Ltd |
| **ACN** | 167 227 858 |
| **Registered business address** | 'Grosvenor Pl' Level 12, 255 George Street<br>SYDNEY, NSW 2000 |
| **DWER file number** | DER2023/000273 |
| **Duration** | 28/07/2023 to 27/07/2028 |
| **Date of issue** | 28/07/2023 |
| **Premises details** | Puma Energy – Kwinana Fuel Terminal<br>Kwinana Beach Road<br>KWINANA WA 6167<br><br>Legal description –<br>Part of Lot 108 on Plan 400167<br>As shown in the premises map in Schedule 1 |

| **Prescribed premises category description**<br>**(Schedule 1, *Environmental Protection Regulations 1987*)** | **Assessed Production / design capacity** |
|---|---|
| Category 73: Bulk storage of chemicals etc | 220,240 $m^3$ per annum |

This works approval is granted to the works approval holder, subject to the attached conditions, on 28 July 2023, by:

Digitally signed
by Adam Green
Date: 2023.07.28
12:53:26 +08'00'

Adam Green
A/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 |
|---|---|---|
| 16/01/2019 | W6176/2018/1 | Works approval granted. |
| 03/08/2020 | W6176/2018/1 | Works approval holder transfer of occupier name. |
| 14/12/2021 | W6176/2018/1 | Works approval amended to update location and specifications of infrastructure, access new infrastructure and update legal location and extension to works approval. |
| 17/03/2023 | R2542/2023/1 | Registration granted. |
| 28/07/2023 | W6801/2023/1 | Works Approval granted – new condensate unloading facility and storage tanks. |

# 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 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;

as set out in Table 1.

**Table 1: Design and construction / installation requirements**

| | Infrastructure | Design and construction / installation requirements | Infrastructure location |
|---|---|---|---|
| **Stage 1** | | | |
| 1. | Condensate Unloading Facility | The new Condensate Unloading Facility will be incorporated into the existing butane unloading area.<br>The condensate Unloading Facility will comprise:<br>• A concrete slab with rollover curbing (approx. 6 m x 5 m), to contain potential spillage from road tankers (up to 25 m B-doubles)<br>• Area roofed to minimise the ingress of stormwater.<br>• An unloading pipe manifold will be installed, to enable the connection and unloading of multiple road tanker compartments simultaneously;<br>• A manual earth connection;<br>• an unloading hose, camlock, isolation valve, check valve for each connection point, possible strainer, vane pump (with local control station, air eliminator and flow meter all located within the containment of the unloading slab);<br>• a transfer meter;<br>• a blind sump to collect any rainfall or stormwater from within the unloading facility (or potentially a loss of containment), with a small manually operated air driven diaphragm pump to empty the sump of any collected rainwater (with disposal back into the KFT's main surface water management system and associated OWSs1);<br>• a pipeline connecting to the inlet of one of the existing 7.8 ML motor spirit storage tanks, sized for an unloading flowrate of approximately 1000 – 1500 L/min;<br>• Piping to connect to one of the existing 9.9 ML motor spirit storage tanks; | As shown in Schedule 1 Premises layout |

| | Infrastructure | Design and construction / installation requirements | Infrastructure location |
|---|---|---|---|
| | | • additional closed-circuit television (CCTV) cameras; and<br>• additional firefighting and protection. | |
| 2. | Additive storage | Additives storage tanks to be constructed adjacent to existing additive tanks as follows:<br>• Four (4) 12.5kL above ground horizontal tanks;<br>• Located within hardstand bund;<br>• Constructed to meet:<br>▪ AS1940: 2004 – The Storage and Handling of Flammable and Combustible Liquids; and<br>▪ AS1692: 2006 – Steel Tanks for flammable and Combustible Liquids.<br>• Installation of eight new footings;<br>• Removal of an existing saddle plinth (existing foundations) and repair/patching as required;<br>• Unloading pumps, dosing pumps, tank gauging, values/vents, unloading hoses and interconnecting pipework for each 12.5 kL tank;<br>• Piping and supports for the 12.5 kL tanks:<br>▪ unloading piping to connect from the additive tanks to the unloading point (within the existing bunded fuel loading/unloading gantry);<br>▪ dosing piping to connect from the additive tanks to the existing additive piping;<br>▪ flanged tees on both the unloading and dosing lines for connection to future tanks; and<br>▪ new and modifications to existing pipe supports.<br>• Electrical and instrumentation cabling (including cable ladders and covers), instrumentation controls. | As shown in Schedule 1 Premises layout |
| **Stage 2** | | | |
| 1. | Additive storage | Additives storage tanks to be constructed adjacent to existing additive tanks as follows:<br>• Four (4) 12.5kL above ground horizontal tanks;<br>• Located within bunded hardstand;<br>• Constructed to meet:<br>▪ AS1940: 2004 – The Storage and Handling of Flammable and Combustible Liquids;<br>▪ AS1692: 2006 – Steel Tanks for flammable | As shown in Schedule 1 Premises layout |

| | Infrastructure | Design and construction / installation requirements | Infrastructure location |
|---|---|---|---|
| | | and Combustible Liquids; and<br>• Join into one of the existing Stage 1 12.5 kL tanks that holds the same product. This would be achieved via interconnecting pipelines (with isolation valves) into the unloading and dosing pipelines on each existing tank. The interconnecting pipeline points utilise the flanged tees;<br>• Installation of eight new footings;<br>• Removal of an existing saddle plinth (existing foundations) and repair/patching as required;<br>• Unloading pumps, dosing pumps, tank gauging, values/vents, unloading hoses and interconnecting pipework for each 12.5 kL tank;<br>• Piping and supports for the 12.5 kL tanks:<br>▪ unloading piping to connect from the additive tanks to the unloading point (within the existing bunded fuel loading/unloading gantry);<br>▪ loading/unloading gantry additive skids;<br>▪ flanged tees on both the unloading and dosing lines for connection to future tanks; and<br>▪ new and modifications to existing pipe supports.<br>• Electrical and instrumentation cabling (including cable ladders and covers), instrumentation controls. | |

## Compliance reporting

**2.** The works approval holder must within 30 calendar days of an item of infrastructure or equipment required by condition 1 for Stage 1 being constructed and/or installed:

(a) undertake an audit of their compliance with the requirements of condition 1 for Stage 1; and

(b) prepare and submit to the CEO an Environmental Compliance Report on that compliance.

**3.** The works approval holder must within 30 calendar days of an item of infrastructure or equipment required by condition 1 for Stage 2 being constructed and/or installed:

(a) undertake an audit of their compliance with the requirements of condition 1 for Stage 2; and

(b) prepare and submit to the CEO an Environmental Compliance Report on that compliance.

**4.** The Environmental Compliance Report required by condition 2 and 3 must include as a minimum the following:

(a) certification by a qualified 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)

**5.** 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.

**6.** 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; and

(c) complaints received under condition 5.

**7.** The books specified under condition 6 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 2 have the meanings defined.

**Table 2: Definitions**

| Term | Definition |
|---|---|
| AS1940: 2004 | means the Australian Standard AS 1940 The Storage and Handling of Flammable and Combustible Liquids – Western Australia. |
| AS1692: 2006 | means the Australian Standard AS 1692: 2006 Steel Tanks for Flammable and Combustible Liquids – Western Australia. |
| books | has the same meaning given to that term under the EP Act. |
| CEO | means Chief Executive Officer.<br>CEO for the purposes of notification means:<br>Director General<br>Department administering the *Environmental Protection Act 1986*<br>Locked Bag 10<br>Joondalup DC WA 6919<br>info@dwer.wa.gov.au |
| Department | means the department 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 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 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 | *Environmental Protection Act 1986* (WA). |
| EP Regulations | *Environmental Protection Regulations 1987* (WA). |
| premises | the premises to which this licence applies, as specified at the front of this licence and as shown on the premises map in Schedule 1 to this works approval. |
| prescribed premises | has the same meaning given to that term under the EP Act. |
| Stage 1 | Construction of Stage 1 Condensate Unloading Facility and Additive storage as outlined in condition 1 Table 1 |
| Stage 2 | Construction of Stage 2 Additive storage as outlined in condition 1 Table 1 |

| Term | Definition |
|---|---|
| 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 in red.

## Premises layout