



<b>Licence number</b>	L9449/2024/1	
<b>Licence holder</b>	Hazer Ground Limited	
<b>ACN</b>	144 044 600	
<b>Registered business address</b>	Level 9, 99 St Georges Terrace Perth, WA, 6000	
<b>DWER file number</b>	DER2024/000236	
<b>Duration</b>	15/12/2025 to	14/12/2045
<b>Date of issue</b>	15/12/2025	
<b>Premises details</b>	Hazer Commercial Demonstration Plant 837 Cockburn Road MUNSTER WA, 6166  Legal description Lot 9 on Deposited Plan 31097 As defined by the coordinates in Schedule 1 of the licence	

<b>Prescribed premises category description (Schedule 1, <i>Environmental Protection Regulations 1987</i>)</b>	<b>Assessed production capacity</b>
Category 31: Chemical Manufacturing	480 tonnes per annum

This licence is granted to the licence holder, subject to the attached conditions, on 15 December 2025, by:

MANAGER PROCESS INDUSTRIES

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

## Licence history

Date	Reference number	Summary of changes
15/12/2025	L9449/2024/1	Licence was granted.

## Interpretation

In this licence:

- (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 licence:
  - (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 licence requires specific conditions to be met but does not provide any implied authorisation for other emissions, discharges, or activities not specified in this licence.

## Licence conditions

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

### Infrastructure and equipment

- The licence holder must ensure that the site infrastructure and equipment listed in Table 1 and located at the corresponding infrastructure location is maintained and operated in accordance with the corresponding operational requirement set out in Table 1.

**Table 1: Infrastructure and equipment requirements**

	Site infrastructure and equipment	Operational requirement	Infrastructure location
1	Cold Reactor System process infrastructure and equipment	<ul style="list-style-type: none"> <li>Generated waste must be stored within the process area in containment receptacles</li> <li>All containment bunds must be maintained:               <ul style="list-style-type: none"> <li>in a fit for purpose condition for containing liquids and free of cracks or damage; and</li> <li>with capacity to contain not less than 110% of the volume of the largest storage vessel or 25% of the total storage volume if multiple storage vessels occur within the bund</li> </ul> </li> </ul>	Within process area, see Schedule 1 Figure 1
2	Gas flare stack	<ul style="list-style-type: none"> <li>The flare system's pilot flame and stack flame are monitored via a system of thermocouples that must detect if they are alight or not.</li> <li>In the event of a blowout, the flare's burner management system must alarm to alert the operator, and the plant must be shutdown.</li> <li>All continuous waste gases to only be discharged via the gas flare stack, with the exception of discharges from Pressure Safety Valves (PSVs) during fire emergencies and maintenance scenarios.</li> </ul>	E 383989, N 6443708, see Schedule 1 Figure 1
3	Wastewater collection pit	<ul style="list-style-type: none"> <li>Volumetric monitoring (and high level alarm) to ensure water level does not exceed 100% of the capacity of the pit with a control level set point of 70% and high-level alarm that is set</li> </ul>	Within process area, see Schedule 1 Figure 1

	Site infrastructure and equipment	Operational requirement	Infrastructure location
		<p>to trigger when water exceeds 80%.</p> <ul style="list-style-type: none"> <li>Wastewater must be transferred to the WWTP</li> <li>All waste must transported off-site and disposed of at an appropriately licensed facility</li> </ul>	
4	Biogas compression package	<ul style="list-style-type: none"> <li>Each compressor to have a rated sound power level of 85 dB(A) at 1m</li> </ul>	To south of access road, see Schedule 1 Figure 1
5	Hot reactor system process infrastructure and equipment	<ul style="list-style-type: none"> <li>Generated waste must be stored within the process area in containment receptacles</li> <li>All containment bunds must be maintained: <ul style="list-style-type: none"> <li>in a fit for purpose condition for containing liquids and free of cracks or damage; and</li> </ul> </li> <li>with capacity to contain not less than 110% of the volume of the largest storage vessel or 25% of the total storage volume if multiple storage vessels occur within the bund</li> </ul>	Within process area, see Schedule 1 Figure 1
6	Catalyst loading system and graphite unloading system	<ul style="list-style-type: none"> <li>Systems must sealed to minimise the escape of catalyst or graphite.</li> <li>Dust collector must be present at the bottom of graphite loading hopper.</li> <li>Loading of filter must be automatically monitored. Alarm must sound when filter requires changing, and a stand-by filter is switched in to replace the fully loaded filter.</li> <li>Filters to be replaced at minimum once every 3 months.</li> <li>Loaded filters will be disposed of at an appropriately licensed facility.</li> </ul>	Within process area, see Schedule 1 Figure 1
7	Process and H <sub>2</sub> S gas compression packages	<ul style="list-style-type: none"> <li>Each compressor to have a rated sound power level of 85 dB(A) at 1m</li> </ul>	Within process area, see Schedule 1 Figure 1

## Emissions and discharges

## Air emissions

2. The licence 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	Emission Point	Minimum stack height (m AGL)	Emission point location
Process Gas (CO <sub>2</sub> with minor quantities of CO N <sub>2</sub> and H <sub>2</sub> O)	Gas flare stack	9	E 383989.603, N 6443708.655, see Schedule 1.

## Monitoring

3. The licence holder must monitor emissions during operation in accordance with the requirements specified in Table 3 and record the results of all such monitoring.

**Table 3: Monitoring of discharges to air**

Emission point	Monitoring location	Parameter	Frequency <sup>1</sup>	Averaging period	Unit	Method
Gas flare stack E 383989.603, N 6443708.655, see Schedule 1.	Stack monitoring port	Water flow	Bi-annually	1 hourly	l/s	None specified
		VOCs			kg/hr or g/s	
		Hydrogen Sulphide (H <sub>2</sub> S)			kg/hr or g/s	
		Temperature			°C	

## Records and reporting

### Records

4. The licence holder must record the following information in relation to complaints received by the licence 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 licence holder to investigate or respond to any complaint.
5. The licence holder must maintain accurate and auditable books including the following records, information, reports, and data required by this licence:
  - (a) the calculation of fees payable in respect of this licence;

- (b) the works conducted in accordance with condition 1 of this licence;
  - (c) any maintenance of infrastructure that is performed in the course of complying with condition 1 of this licence;
  - (d) monitoring programmes undertaken in accordance with condition 3 of this licence; and
  - (e) complaints received under condition 4 of this licence.
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 licence holder for the duration of the licence; and
  - (d) be available to be produced to an inspector or the CEO as required.

## Reporting

7. The licence holder must:
- (a) undertake an audit of their compliance with the conditions of this licence during the preceding annual period, and
  - (b) prepare and submit to the CEO an Annual Audit Compliance Report in the approved form by 31 July each year.
8. The licence holder must:
- (a) prepare an Environmental Report that provides information in accordance with Table 4 for the preceding two annual periods, and
  - (b) submit that Environmental Report to the CEO by 31 July 2027 and biennially thereafter.

**Table 4: Environmental reporting requirements**

Condition	Requirement
3 - Monitoring of discharges to air	<p>Tabulated monitoring data results and time-series graphs in Microsoft Excel format for each monitoring location showing all parameters over a minimum three-year period (where sufficient data allows).</p> <p>An interpretation of the monitoring data including comparison to historical trends and emission limits (where applicable).</p> <p>A tabulated summary of:</p> <ul style="list-style-type: none"> <li>• emission limit exceedances;</li> <li>• investigations and actions undertaken in response to the exceedances;</li> <li>• events which were exempt to the emission limit; and</li> <li>• management actions undertaken.</li> </ul> <p>Copies of original monitoring, laboratory and analysis reports submitted by third parties.</p>
5 - Complaints	Summary of complaints received, and any action taken to investigate or respond to any complaint

## Definitions

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

**Table 5: Definitions**

Term	Definition
ACN	Australian Company Number
Annual Audit Compliance Report (AACR)	means a report submitted in a format approved by the CEO (relevant guidelines and templates are available on the Department's website).
annual period	a 12 month period commencing from 1 July until 30 June of the immediately following year.
biennially	means every two years.
books	has the same meaning given to that term under the EP Act.
CEO	means Chief Executive Officer of the department. "submit to / notify the CEO" (or similar), means either: Director General Department administering the <i>Environmental Protection Act 1986</i> Locked Bag 10 Joondalup DC WA 6919 or: <a href="mailto:info@dwer.wa.gov.au">info@dwer.wa.gov.au</a>
department; DWER	means the department established under section 35 of the <i>Public Sector Management Act 1994</i> (WA) and designated as responsible for the administration of the EP Act, which includes Part V Division 3.
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.
EP Act	<i>Environmental Protection Act 1986</i> (WA)
EP Regulations	<i>Environmental Protection Regulations 1987</i> (WA)
licence	refers to this document, which evidences the grant of a licence by the CEO under section 57 of the EP Act, subject to the specified conditions contained within.
licence holder	refers to the occupier of the premises, being the person specified on the front of the licence as the person to whom this licence has been granted.
premises	refers to 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 of this licence.

Term	Definition
prescribed premises	has the same meaning given to that term under the EP Act.
waste	has the same meaning given to that term under the EP Act.
VOCs	means volatile organic compounds

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**END OF CONDITIONS**



Schedule 1: Maps

Premises map

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

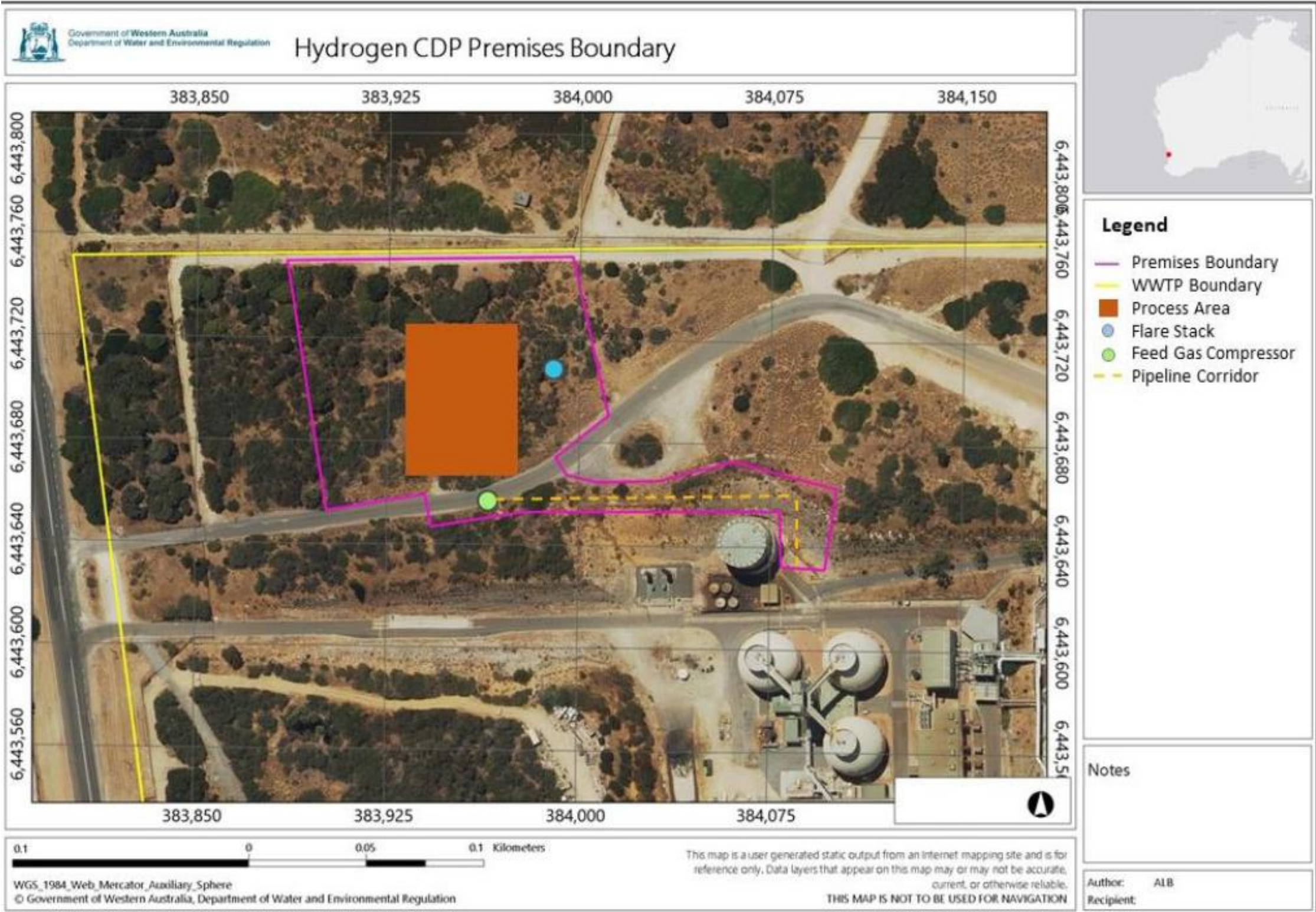


Figure 1: Map of the boundary of the prescribed premises





Figure 2: Map of the boundary of the prescribed premises

## Schedule 2: Premises boundary

The corners of the premises boundary are the coordinates listed in Table 6.

**Table 6: Premises boundary coordinates (GDA94)**

	<b>Easting</b>	<b>Northing</b>	<b>Zone</b>
1.	383885	6443750	MGA Zone 50
2.	383997	6443752	MGA Zone 50
3.	384011	6443691	MGA Zone 50
4.	383991	6443674	MGA Zone 50
5.	383995	6443668	MGA Zone 50
6.	384007	6443665	MGA Zone 50
7.	384031	6443666	MGA Zone 50
8.	384060	6443673	MGA Zone 50
9.	384101	6443663	MGA Zone 50
10.	384096	6443632	MGA Zone 50
11.	384079	6443633	MGA Zone 50
12.	384079	6443654	MGA Zone 50
13.	383978	6443653	MGA Zone 50
14.	383942	6443647	MGA Zone 50
15.	383940	6443659	MGA Zone 50
16.	383901	6443653	MGA Zone 50
17.	383885	6443750	MGA Zone 50