



Works Approval

Works approval number	W6515/2021/1	
Works approval holder	MEPAU Perth Basin Pty Ltd (MEPAU)	
ACN	009 204 031	
Registered business address	Level 8 Alluvion 58 Mounts Bay Road PERTH WA 6000	
DWER file number	DER2021/000104	
Duration	03/08/2021 to	31/10/2028
Date of amendment	28/10/2025	
Premises details	Waitsia Gas Project Stage 2 Pye Rd YARDARINO WA 6525 Legal description – As shown in the Map in Schedule 1 and defined by the coordinates in Schedule 2	

Prescribed premises category description (Schedule 1, Environmental Protection Regulations 1987)	Assessed design capacity
Category 10: Oil or gas production from wells: premises, whether on land or offshore, on which crude oil, natural gas or condensate is extracted from below the surface of the land or the seabed, as the case requires, and is treated or separated to produce stabilised crude oil, purified natural gas or liquefied hydrocarbon gases.	2,060,300 tonnes per year of natural gas (export) 100.375 petajoules per annum (export)

This amended works approval is granted to the works approval holder, subject to the attached conditions, on 28 October 2025, by:

MANAGER, HEAVY INDUSTRIES

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

Works approval history

Date	Reference number	Summary of changes
03/08/2021	W6515/2021/1	Works approval granted
18/10/2022	W6515/2021/1	CEO initiated amendment to include the extraction wells and flowlines in the premises boundary following a review of Category 10
30/08/2023	W6515/2021/1	CEO initiated amendment to give effect to the Minister for Environment's determination on appeal 032-21
30/07/2024	W6515/2021/1	Administrative amendments to; • Change name of works approval holder from AWE Perth Pty Ltd to MEPAU Perth Basin Pty Ltd • Extend expiry date from 2 August 2024 to 31 October 2025; • Extend TLO from 90 days to 180 days; • Amend design capacity from 250 terajoules per day (export) to 91.25 petajoules per annum (export) to align with MS 1164 as recently amended; and • Update prescribed premises boundary.
28/10/2025	W6515/2021/1	Works approval amended to: • change the configuration of the inlet compression system; • extend the duration to 31 October 2028; • allow staged construction and time limited operation of the gas processing plant and inlet compressor; • increase the design capacity of the gas processing plant to align with debottlenecking works authorised under Ministerial Statement 1164 (MS1164); and • update the premises boundary to align with the MS1164 development envelope.

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 the infrastructure for each stage of works;
 - (b) in accordance with the corresponding design and construction requirements; and
 - (c) at the corresponding infrastructure location,
 as set out in Table 1.

Table 1: Design and construction requirements

	Infrastructure	Design and construction requirements	Infrastructure location
STAGE 1 WORKS			
<i>Gas process plant infrastructure</i>			
1	Export gas compressors	4 x 1,860 kW gas engine driven compressors; - Stack exhaust height must be at least 6.5 m above as-built ground level	'2' as depicted in the 'Infrastructure map' in Schedule 1
2	Gas engine alternators	3 x 2,600 kW gas engine driven generators; - Stack exhaust height must be at least 5.4 m above as-built ground level	'14' as depicted in the 'Infrastructure map' in Schedule 1
3	Emergency diesel generator	1 x 1,300 kW diesel engine driven generator; - Stack exhaust height must be at least 5.4 m above as-built ground level	'15' as depicted in the 'Infrastructure map' in Schedule 1
4	Hot water fired heater	1 x 26,000 kW (duty) heater; - Stack exhaust height must be at least 24.5 m above as-built ground level	Not specified
5	Incinerator	Stack exhaust height must be at least 22.9 m above as-built ground level	Not specified
6	Flare	1 x emergency flare connected to a flare header and knock-out drum system; - Ignition system must comprise an automatic HEI with manual FFG backup; - Minimum of 3 thermocouple devices must be installed for flame-out detection; - Flare stack height must be at least 15 m above as-built ground level	'4' as depicted in the 'Infrastructure map' in Schedule 1
<i>Containment infrastructure</i>			
1	Condensate storage tanks	4 x storage tanks, each with working capacity of at least 150 m³; - Must be constructed or installed with secondary containment, with bunding that complies with the requirements of AS 1940	'19' as depicted in the 'Infrastructure map' in Schedule 1
2	Amine storage tanks	2 x storage tanks, each with working capacity of at least 125 m³; - Must be constructed or installed with secondary containment, with bunding that complies with the	'13' as depicted in the 'Infrastructure map' in Schedule 1

	Infrastructure	Design and construction requirements	Infrastructure location
		requirements of AS 1940	
3	Chemical storage area	Must be constructed with secondary containment, with bunding that complies with the requirements of AS/NZS 3833 and AS 1940	'17' as depicted in the 'Infrastructure map' in Schedule 1
Storage ponds			
1	Temporary construction turkey's nest	- Temporary storage pond(s); - Pond(s) must be constructed with a single HDPE geomembrane liner with a manufacturer specified thickness of at least 0.75 mm (or equivalent); - HDPE geomembrane liners must comply with the requirements specified in condition 2, with the following exception: - Minimum tensile strength at break of 25 kN/m	Not specified
2	PW evaporation ponds	2 x PW storage ponds; - Each pond must be constructed with a minimum surface area of 10,000 m³; - Total surface area must include provision for 500 mm operational freeboard; - Ponds must be constructed with dual HDPE geomembrane liners, each with a manufacturer specified thickness of at least 1.5 mm, with leak detection; - HDPE geomembrane liners must comply with the requirements specified in condition 2	'T-2592' and 'Future produced water pond 2' as depicted in the 'Infrastructure map' in Schedule 1
3	Contaminated water pond	1 x contaminated water storage pond; - Pond must be constructed with a minimum holding capacity of 4,800 m³; - Holding capacity must include provision for 500 mm operational freeboard; - Pond must be constructed with dual HDPE liners, each with a manufacturer specified thickness of at least 1.5 mm, with leak detection; - HDPE geomembrane liners must comply with the requirements specified in condition 2	'T-5112' as depicted in the 'Infrastructure map' in Schedule 1
4	Groundwater monitoring bores	Must construct at least 1 bore as near as practicable to and up hydraulic gradient of the PW ponds and 1 bore as near as practicable to and down hydraulic gradient of the PW ponds. The bores must be: - sited in accordance with WQPN #30 ("Siting of monitoring bores" section); - installed to meet the requirements of Minimum Construction Requirements for Water Bores in Australia; - surveyed to allow the ground level (to AHD) to be accurately determined; - screened to permit effective monitoring of the shallow groundwater levels and quality	Determined by design and construction requirements

	Infrastructure	Design and construction requirements	Infrastructure location
STAGE 2 WORKS			
	Gas process plant infrastructure		
1	Inlet gas compression	1 x gas turbine centrifugal compressor, comprising a 14,698 kW gas turbine engine; - Stack exhaust height must be at least 13 m above as-built ground level; - Lighting shall be installed in accordance with the design principles listed in <i>Appendix A - Best Practice Lighting Design</i> of the National Light Pollution Guidelines; and - The inlet compression package must be designed and constructed to achieve 85dB within 1m of equipment.	As depicted in the 'Map of emission points' in Schedule 1

High density polyethylene geomembranes

- The works approval holder must ensure all HDPE geomembrane liners for long-term containment facilities comply with the properties listed in Table 2, and are constructed in accordance with the requirements specified in that table.

Table 2: HDPE liner installation requirements

	Item	Property/construction requirement
1	Liner properties	HDPE liners must have the following properties: - Formulated density of 0.94 g/cc or more; - Melt index value per ASTM D1238 of less than 1.0 g in 10 minutes; - Carbon black content of 2-3%; - Minimum tensile strength at yield of 22 kN/m; - Minimum tensile strength at break of 40 kN/m; - Minimum elongation at yield of 12%, and at break 700%
2	Liner fabrication	- Liners must be fabricated to form the shape of the pond embankments; - All seams and joins made on the premises must be continuous; - Panels of the liner must be overlapped by a minimum of 100 mm, prior to heat welding or mechanical joining
3	Welding materials	Membrane welding materials must be supplied by the liner manufacturer, and be of the same material as the liner membrane
4	Seams and joins	All seams and joins must be constructed and tested as watertight over their full length using a vacuum box test and air pressure test
5	Shear resistance	Shear resistance must be tested in accordance with ASTM D5321

Review of lighting design

- The works approval holder must, prior to the commencement of time limited operations:
 - undertake a review of the lighting design for all lighting infrastructure against the design principles listed in *Appendix A - Best Practice Lighting Design* of the National Light Pollution Guidelines; and
 - prepare and submit to the CEO a report that details whether lighting at the premises is consistent with the design principles listed in that document.
- Where an item of lighting infrastructure has been identified as being materially inconsistent with the design principles listed in the National Light Pollution Guidelines, the works approval holder must detail proposed measures and timeframes to address the inconsistencies in the report required by condition 3(b).

Compliance audit and reporting

5. The works approval holder must within 28 calendar days of an item of infrastructure specified in condition 1 being constructed:
 - (a) undertake an audit of their compliance with the requirements of condition 1 for that item of infrastructure; and
 - (b) prepare and submit to the CEO an Environmental Compliance Report on that compliance.
6. The Environmental Compliance Report required by condition 5, must include as a minimum:
 - (a) certification by a suitably qualified engineer, whether or not 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;
 - (c) copies of the construction bore logs for each groundwater monitoring bore required to be installed by condition 1; and
 - (d) be signed by a person authorised to represent the works approval holder and contains the printed name and position of that person.
7. Subject to condition 6(a), where an item of infrastructure or component of infrastructure has been certified as not being constructed, or does not comply with the corresponding requirements, or contains material defects, the works approval holder must:
 - (a) correct the non-compliant or defective works, prior to re-certifying in accordance with condition 6(a); or
 - (b) provide to the CEO a description of, and explanation for, any departures from the requirements specified in Table 1 that do not require rectification and do not constitute a material defect along with the Environmental Compliance Report required by condition 5.

Environmental commissioning phase

Environmental commissioning plan

8. The works approval holder must, at least 3 months prior to the commencement of environmental commissioning for each Stage 1 and Stage 2 works outlined in condition 1, provide to the CEO an Environmental Commissioning Plan.
9. The plan required by condition 8 must include, but not be limited to:
 - (a) the stages, processes and expected timeframes of environmental commissioning;
 - (b) how accidents or malfunctions will be managed;
 - (c) start up and shut down procedures and how emissions will be managed during start up and shut down; and
 - (d) procedures for monitoring and managing emissions and discharges during environmental commissioning including, but not limited to:
 - (i) details of parameters to be included in any monitoring programs, including in stack monitoring of air emissions (for PM_{2.5}, NO_x, mercury, benzene, toluene and xylene) and air emissions during flaring and start-up events;
 - (ii) targets and/or trigger levels for each parameter; and

- (iii) contingency actions to be implemented if target and/or trigger levels are exceeded.

Environmental commissioning - commencement

10. The works approval holder may only commence environmental commissioning once the Environmental Compliance Report required by condition 5 and the Environmental Commissioning Plan required by condition 8 have both been submitted by the works approval holder.

Environmental commissioning – noise validation

11. During commissioning of each stage of works described in condition 1, the works approval holder must retain the services of a person qualified and experienced in the area of environmental noise assessment and who by their qualifications and experience is eligible to hold membership of the Australian Acoustical Society or the Australian Association of Acoustical Consultants to:
 - (a) carry out noise monitoring to investigate the nature and extent of the as-built noise emissions from the premises;
 - (b) prepare noise modelling to predict the nature and extent of the as-built noise emissions from the premises;
 - (c) assess compliance of the predicted noise emissions from the premises, against the relevant assigned levels specified in the *Environmental Protection (Noise) Regulations 1997*; and
 - (d) compile and submit to the licence holder a report in accordance with condition 12.
12. A report prepared pursuant to condition 11(d) is to include:
 - (a) a description of the methods used for monitoring and modelling noise emissions from the premises;
 - (b) details and the results of the monitoring and modelling undertaken pursuant to conditions 11(a) and 11(b);
 - (c) details and results of the assessment of the noise emissions from the premises, against the relevant assigned levels in the *Environmental Protection (Noise) Regulations 1997* undertaken pursuant to condition 11(c); and
 - (d) an assessment of noise levels against the previous noise assessment undertaken by Abbott Risk Consulting Limited in 2024.
13. The works approval holder must submit to the CEO the report prepared pursuant to condition 11(d) as part of the Environmental Commissioning Report required by condition 16 following the commissioning of each stage of works described in condition 1.
14. Where an assessment pursuant to condition 11(c) indicates that noise emissions do not comply with the relevant assigned levels in the *Environmental Protection (Noise) Regulations 1997*, the works approval holder must,
 - (a) prepare for the CEO a plan to ensure the undertaking of the prescribed activities will not lead to any contravention of the *Environmental Protection (Noise) Regulations 1997*; and
 - (b) provide copy of the plan prepared pursuant to condition 14(a) as part of the Environmental Commissioning Report required by condition 16 following the commissioning of each stage of works described in condition 1.

Environmental commissioning – notifications and reporting

15. The works approval holder must notify the CEO:
 - (a) at least 7 days prior to, the commencement date of environmental commissioning; and
 - (b) within 7 days after, the completion date of environmental commissioning.
16. The works approval holder must, within 90 calendar days of the completion of environmental commissioning of each stage of works described in condition 1, submit to the CEO an Environmental Commissioning Report.
17. The report required by condition 16 must include, but not be limited to:
 - (a) a summary of environmental commissioning activities undertaken, including timeframes and the amount of gas/condensate processed and PW produced;
 - (b) a summary of the environmental performance of all plant and equipment as installed, including air emissions monitoring conducted on all point sources;
 - (c) a review of the plant's performance against the design specifications;
 - (d) where they have not been met, measures proposed to meet the design specification, together with timeframes for implementing the proposed measures; and
 - (e) records of all flaring and start-up events during environmental commissioning, including the duration of those events and the volume of emissions released during those events, and the fuel type used during each start-up event.

Time limited operational phase

Commencement and duration

18. The works approval holder may conduct time limited operations for each stage of the works specified in condition 1:
 - (a) for a period not exceeding 180 calendar days from the completion date of environmental commissioning; or
 - (b) until such time as a licence is granted in accordance with Division 3, Part V of the *Environmental Protection Act 1986*,
 whichever is sooner.

Infrastructure and equipment

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

Table 3: Infrastructure requirements during time limited operations

	Site infrastructure	Operational requirement
1	Gas processing plant	- Flaring must not occur under normal operating conditions, except for pilot and purging requirements; - Flaring emissions must occur at least 15 m above as-built ground level
2	Mercury removal unit	- Feed gas must be directed through the MRU; - Spent mercury must be removed off-site by a licensed controlled waste carrier
3	PW system	Cooled PW must be directed to the PW ponds

	Site infrastructure	Operational requirement
4	PW ponds, contaminated water pond	- An operational freeboard of at least 500 mm must be maintained at all times; - Must conduct weekly inspections for visual integrity, leak assessment and freeboard capacity, monthly if not operating; - Where any inspection identifies that an appropriate level of environmental protection is not being maintained, must take corrective action to mitigate adverse environmental consequences as soon as practicable.
5	Secondary containment	- All hydrocarbon and hazardous materials storage areas must comprise bunding that complies with the requirements of AS 1940; - Spills and leaks of hydrocarbons and hazardous materials must be immediately cleaned up and stored in impervious containers for off-site removal by a licensed controlled waste carrier.
6	Surface water and site drainage	- Surface water runoff from sealed operational areas must be diverted to the contaminated water pond; - Surface water collected within secondary containment must be visually inspected, prior to pumping to the contaminated water pond; - Surface water runoff from non-operational areas must be diverted to the non-contaminated water pond or away from operational areas.
7	Emergency diesel generator	Must not be used for power generation under normal operating conditions
8	PW line (from WGP to PW pond)	- During discharge to the PW pond, must maintain accurate flow records using a flowmeter; - Must troubleshoot any discrepancies identified in flowmeter records, including visual inspection along the length of the PW line (shown in Schedule 1: Map of emission points); - Where any inspection identifies a spill, leak or rupture of the PW line, must take corrective action to rectify the cause of the spill, leak or rupture and prevent recurrence as soon as practicable; - Must cease discharge to the PW pond until the outcome of any discrepancy has been determined and/or any spill, leak or rupture has been rectified.

20. During time limited operations, the works approval holder must ensure the emissions listed in Table 4 are only emitted from the corresponding emission point and location specified in that table.

Table 4: Authorised emission points to air

Emission	Emission point	Minimum stack height (m)	Maximum stack internal diameter (m)	Emission point location ¹
CO, NO _x , SO ₂ , PM _{2.5} , PM ₁₀ , VOCs (BTEX), Hg	Flare	15	0.4	VI Flare
	Incinerator	22	1.2	V Acid gas incinerator
	Export gas compressors	11	0.5	III Export gas compressor engines
	Inlet gas compressors	13	1.5	III Inlet gas compressor
	Hot water fired heater	35	1.8	IV Fired water heater
	Gas engine generator	8	0.5	I Gas engine generators
	Diesel engine generator	7	0.04	VII Emergency diesel generator

Note 1: Emission point location reference Schedule 1: Maps – Map of emission points.

Monitoring

General monitoring

21. The works approval holder must ensure that:
 - (a) all water samples are collected and preserved in accordance with AS/NZS 5667.1;
 - (b) all groundwater sampling is conducted in accordance with AS/NZS 5667.11; and
 - (c) all laboratory samples are submitted to and tested by a laboratory with current NATA accreditation for the parameters being measured.
22. The works approval holder must ensure that quarterly monitoring is undertaken at least 45 days apart.
23. The works approval holder must ensure that all monitoring equipment used on the premises to comply with conditions of this works approval is calibrated in accordance with the manufacturer's specifications.
24. The works approval holder must, where the requirements for calibration cannot be practicably met, or a discrepancy exists in the interpretation of the requirements, bring these issues to the attention of the CEO accompanied with a report comprising details of any modifications to the methods.

Groundwater monitoring

25. During time limited operations, the works approval holder must monitor and record the results of groundwater in accordance with the requirements of Table 5.

Table 5: Monitoring of groundwater requirements

Parameter	Sampling location	Unit	Frequency	Averaging period	
Standing water level (SWL)	MW01, MW02	m (AHD) m BGL	Quarterly, commencing within 30 days of PW first being discharged into a PW pond	Spot, in-field measurement	
pH		-			
Electrical conductivity		µS/cm			
Total dissolved solids		mg/L			Spot sample
Dissolved oxygen (DO)					
Total recoverable hydrocarbons (TRH)					
BTEXN compounds					

Records and reporting (general)

26. The works approval holder must record the following information in relation to complaints received by the works approval holder (whether 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 issues raised; and
 - (d) the complete details and dates of action(s) taken by the works approval holder to investigate or respond to any complaint.

27. 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 15;
 - (c) records of all flaring and start-up events during environmental commissioning, as required by condition 13(e);
 - (d) groundwater monitoring, as required by condition 21; and
 - (e) complaints received under condition 26.
28. The books specified under condition 27 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
AHD	Annual Height Datum
AS 1940	means the most recent version and relevant parts of the Australian Standard AS 1940 <i>The storage and handling of flammable and combustible liquids</i>
AS/NZS 3833	means the most recent version and relevant parts of the Australian and New Zealand Standard AS/NZS 3833 <i>The storage and handling of mixed classes of dangerous goods, in packages and intermediate bulk containers</i>
AS/NZS 5667.1	means the Australian Standard AS/NZS 5667.1 Water quality – sampling – guidance on the design of sampling programs, sampling techniques and the preservation and handling of samples, as amended from time to time
AS/NZS 5667.11	means the Australian Standard AS/NZS 5667.11 Water quality – sampling – guidance on sampling groundwater, as amended from time to time
ASTM D1238	means the Active Standard ASTM D1238 <i>Standard test method for melt flow rates of thermoplastics by extrusion plastometer</i>
ASTM D5321	means the Active Standard ASTM D5321 / D5321M <i>Standard test method for determining the shear strength of soil-geosynthetic and geosynthetic-geosynthetic interfaces by direct shear</i>
averaging period	means the time over which a limit or target is measured or a monitoring result is obtained
BGL	Means below ground level
books	has the same meaning given to that term under the EP Act
BTEX	means the volatile organic compounds benzene, toluene, ethylbenzene and xylene
BTEXN	means the volatile organic compounds benzene, toluene, ethylbenzene, xylene and naphthalene

CEO	means Chief Executive Officer of the Department 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
condition	means a condition to which this works approval is subject under s.62 of the EP Act
controlled waste carrier	means a person licensed as a carrier under the Environmental Protection (Controlled Waste) Regulations 2004
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
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 commissioning	means an activity or sequence of activities undertaken after pre-commissioning has demonstrated the integrity of the plant and equipment. The purpose of commissioning is to test equipment, infrastructure, and processes after the input of raw materials, to confirm design specifications, optimise process conditions, and to monitor/validate emissions or discharges in order to establish a steady-state operation
Environmental Commissioning Report	means a report on any commissioning activities that have taken place and a demonstration that they have concluded, with focus on emissions and discharges, waste containment and other environmental factors
Environmental Compliance Report	means a report to satisfy the CEO that the conditioned infrastructure has been constructed in accordance with the works approval
EP Act	<i>Environmental Protection Act 1986</i> (WA)
EP Regulations	Environmental Protection Regulations 1987 (WA)
freeboard	means the distance between the maximum surface water elevations and the top of retaining banks or structures at their lowest point
FFG	Flame Front Generator
HDPE	High density polyethylene
HEI	High-Energy Electric Ignition
Hg	Mercury
Minimum Construction Requirements for Water Bores in Australia	means the document <i>Minimum Construction Requirements for Water Bores in Australia</i> , National Uniform Drillers Licensing Committee (3 rd Edition, 2012)
MRU	Mercury Recovery Unit
National Light Pollution Guidelines	means the document National Light Pollution Guidelines for Wildlife Including Marine Turtles, Seabirds and Migratory Shorebirds, Commonwealth of Australia (Ver 1.0, January 2020)
NATA	National Association of Testing Authorities, Australia
NATA accreditation	means in relation to the analysis of a sample that the laboratory is NATA accredited for the specified analysis at the time of the analysis
normal operating conditions	means the operation of infrastructure (including abatement equipment) excluding start up, shut down and upset conditions
NO _x	means oxides of nitrogen, calculated as the sum of nitric oxide and nitrogen dioxide and expressed as nitrogen dioxide
PM	means total particulate matter including both solid fragments of material and

	miniscule droplets of liquid
PM _{2.5} and PM ₁₀	means particles with an aerodynamic diameter of less or equal to 2.5 µm and 10 µm, respectively
pre-commissioning	means an activity or sequence of activities undertaken after construction (but prior to commissioning) to test equipment and infrastructure for functionality, and for any installation defects or failures. Examples include hydraulic pump, pipeline and valve testing; hydrostatic testing of vessels, tanks and ponds; electrical component testing; and liner integrity tests for storage facilities and wastewater containment ponds
premises	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
prescribed premises	has the same meaning given to that term under the EP Act
Produced Water (PW)	means water that is produced as a by-product during the extraction of natural gas
quarterly	means the 4 inclusive periods from 1 January – 31 March, 1 April – 30 June, 1 July – 30 September, and 1 October – 31 December in the same year
shut down	means the period when plant or equipment is brought from normal operating conditions to inactivity
spot sample	means a discrete sample representative at the time and place at which the sample is taken
start up	means the period when plant or equipment is brought from inactivity to normal operating conditions
suitably qualified engineer	means a person who holds a tertiary academic qualification in engineering and has a minimum 5 years of experience working in their area of expertise
time limited operations (TLO)	means operation of the infrastructure identified under this works approval that is authorised for that purpose, subject to the relevant conditions
VOCs	Volatile organic compounds
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
WQPN #30	means the document <i>Water Quality Protection Note #30: Groundwater monitoring bores</i> , Department of Water (February 2006). Available at: www.water.wa.gov.au/ data/assets/pdf_file/0010/4033/59685.pdf

END OF CONDITIONS

Schedule 1: Maps

Premises map

The boundary of the prescribed premises is shown in the map below (red line) and defined by the coordinates in Schedule 2.

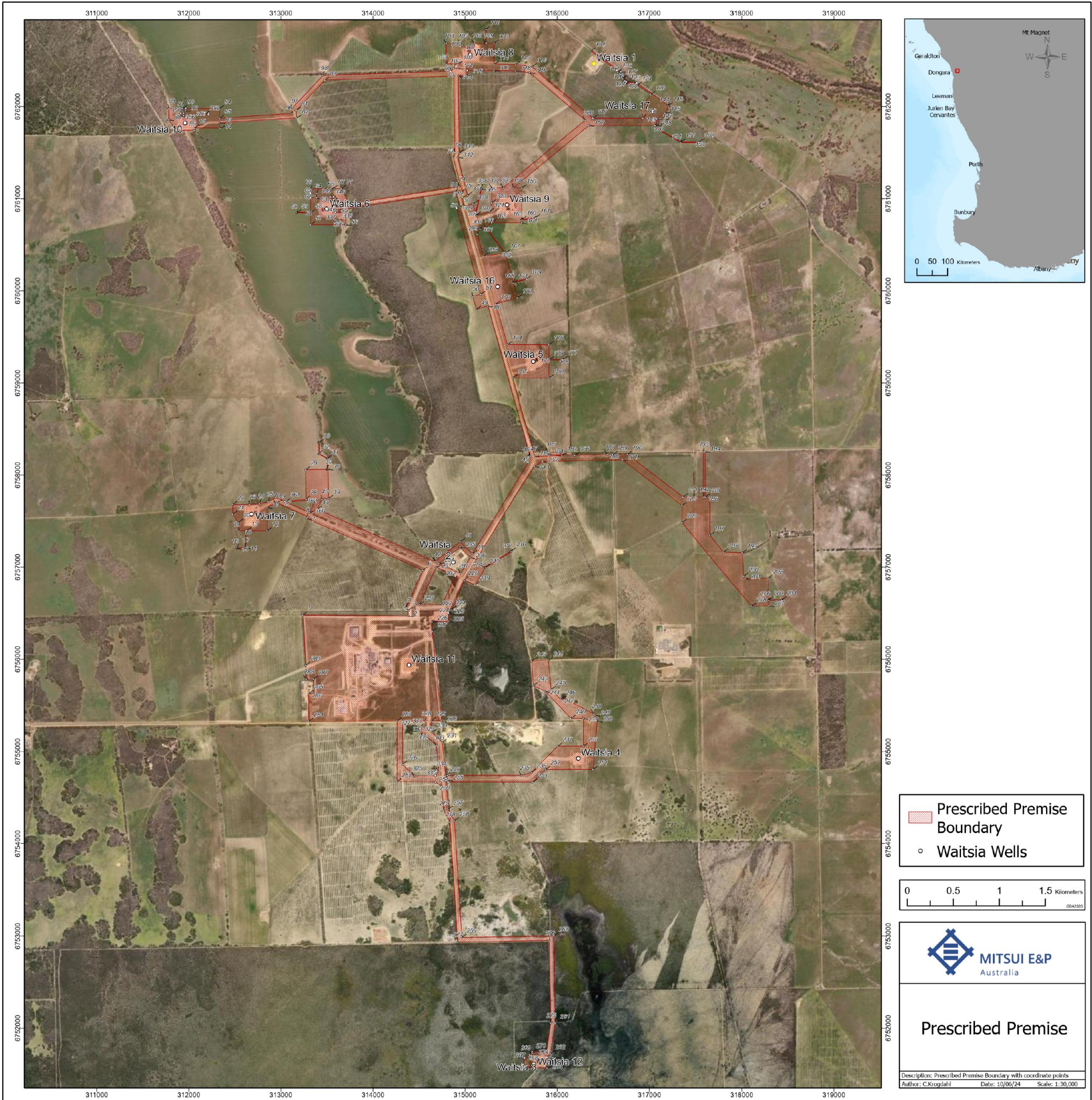
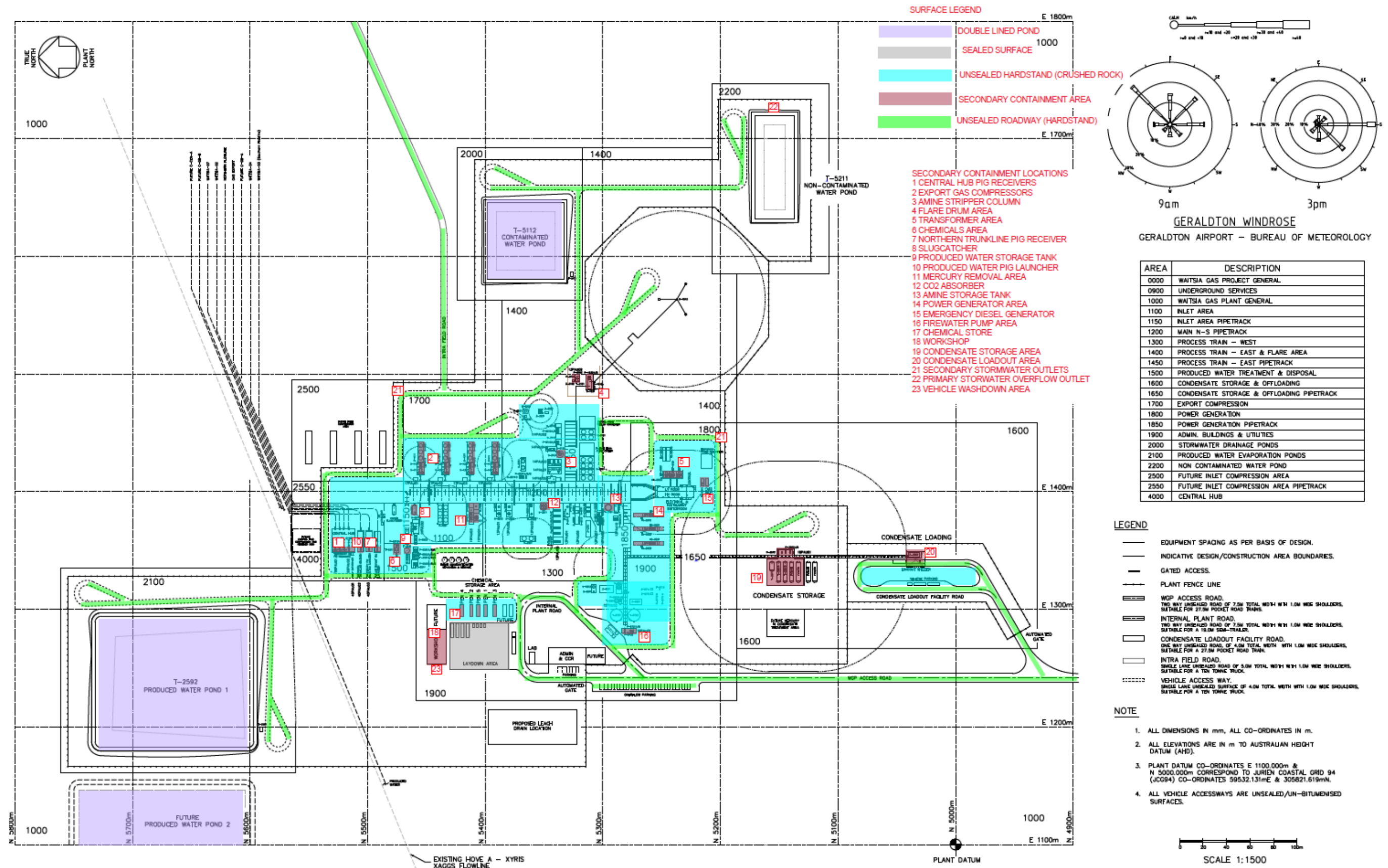


Figure 1: Prescribed premises boundary

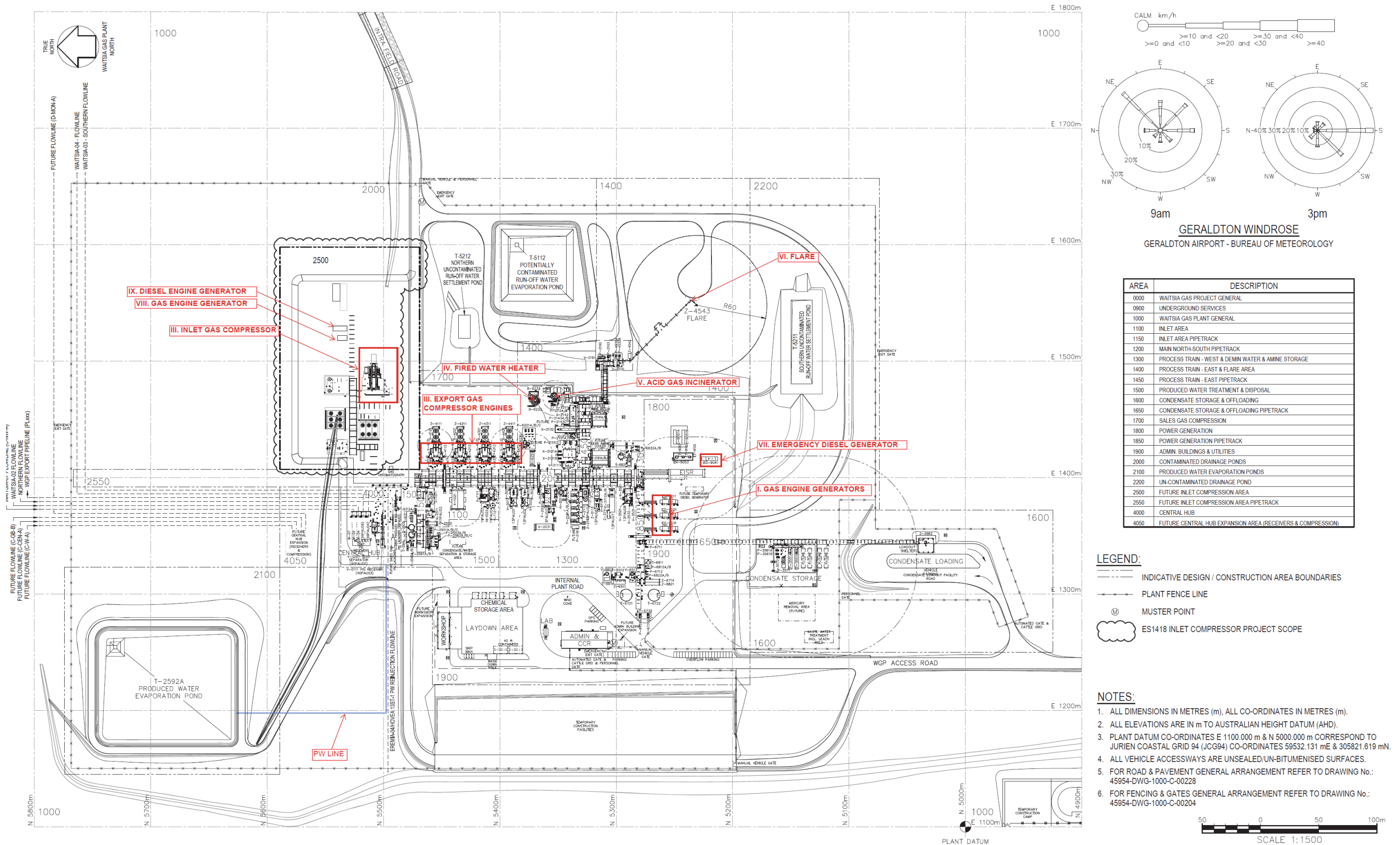
Infrastructure map

The location of key WGP infrastructure is shown in the map below.



Map of emission points

The location of key WGP infrastructure and emission points is shown in the map below.



Schedule 2: Premises boundary coordinates

The premises boundary is defined by the coordinates below and excludes Exclusion Areas shown in Figure below (Note: Coordinates are in GDA2020 format).

PRESCRIBED PREMISES BOUNDARY		PRESCRIBED PREMISES BOUNDARY		PRESCRIBED PREMISES BOUNDARY		PRESCRIBED PREMISES BOUNDARY	
<i>Northing</i>	<i>Easting</i>	<i>Northing</i>	<i>Easting</i>	<i>Northing</i>	<i>Easting</i>	<i>Northing</i>	<i>Easting</i>
313236.2971	6756479.935	313321.9103	6760852.5	316871.6024	6762234.398	315517.9928	6759054.638
314381.5838	6756469.468	313321.9103	6761010.7	316852.5301	6762240.826	315755.9729	6758205.672
314381.5837	6756530.427	313386.9296	6761010.7	316742.6577	6762250.203	316054.3992	6758211.823
314360.7592	6756530.583	313386.9296	6761059.262	316722.2381	6762258.605	315900.7511	6758227.951
314361.4233	6756566.207	313321.9103	6761059.262	316720.3535	6762261.668	315901.449	6758250.171
314540.7918	6756965.631	313321.9103	6761109.921	316710.6071	6762299.84	316190.1275	6758216.682
313283.9264	6757530.049	313568.4081	6761109.922	316710.279	6762307.833	316539.8792	6758224.774
313292.1229	6757548.302	313568.5692	6761100.164	316703.954	6762317.659	316600.6788	6758224.518
312956.7071	6757698.924	313574.7784	6761100.029	316689.9511	6762331.277	316605.0671	6758223.193
312936.1145	6757697.117	313574.7703	6761109.922	316677.0623	6762336.338	316763.994	6758225.858
312850.8935	6757647.915	313655.9801	6761109.921	316667.34	6762350.429	317366.7264	6757762.846
312850.8992	6757396.698	313736.4645	6760955.847	316658.951	6762371.846	317586.4417	6757762.861
312627.9922	6757396.698	313815.9245	6760955.847	316647.3142	6762394.687	317586.5822	6758255.054
312612.4031	6757209.627	314935.356	6761132.821	316362.092	6762603.065	317606.5823	6758255.049
312523.2701	6757203.935	314954.9422	6761063.363	316369.9854	6762608.155	317606.5822	6757762.846
312522.9514	6757208.925	314967.3594	6761068.427	316687.9512	6762379.314	317656.5823	6757762.846
312607.7786	6757214.342	314869.7704	6761450.18	316676.3803	6762362.984	317656.5822	6757346.877
312622.9749	6757396.698	314887.2055	6761504.016	316686.8383	6762345.131	317805.7853	6757162.191
312538.0945	6757396.698	314874.7303	6762332.168	316697.7101	6762343.24	318006.3262	6757154.927
312538.1481	6757488.119	313478.7945	6762288.713	316711.3992	6762329.675	318019.7855	6756900.914
312476.6408	6757575.829	313168.7718	6761961.066	316735.6333	6762277.268	318040.6661	6756875.421
312476.6409	6757682.555	313168.7719	6761879.278	316750.5213	6762267.84	318287.0575	6756879.476
312658.9671	6757682.555	312335.1553	6761824.221	316863.4656	6762258.203	318293.0695	6756644.5
312766.9966	6757690.603	312335.1552	6761767.655	317206.8296	6762011.455	318436	6756644.5
312862.9213	6757712.594	312061.1116	6761767.655	317205.253	6762009.261	318436	6756639.5
312944.0351	6757759.425	312061.1116	6761743.89	317171.0131	6761928.331	318293.0695	6756639.5
313042.5043	6757715.206	311860.7576	6761743.89	317085.4129	6761867.632	318294.6666	6756578.91
313275.1414	6757735.982	311782.2394	6761856.408	317073.4245	6761794.502	318102.5108	6756577.598
313269.6654	6758059.287	311782.2394	6761979.921	317067.2758	6761794.502	317355.961	6757486.872
313501.5	6758063.751	311933.3936	6761979.921	317067.2758	6761774.18	317355.9611	6757670.236
313501.5	6758180.181	311933.0439	6761955.19	317341.5231	6761615.843	316711.3622	6758165.41
313412.4165	6758230.185	311966.4144	6761955.19	317540.1833	6761615.843	315843.7101	6758147.548
313411.6129	6758354.656	311966.764	6761979.921	317540.1834	6761610.843	315751.9765	6758094.586
313416.3986	6758354.676	312335.1553	6761979.921	317340.1833	6761610.843	315102.4551	6757046.657
313416.8989	6758232.621	312335.1552	6761874.33	317062.2758	6761771.293	315215.1747	6756995.846
313506.5	6758182	313118.7719	6761926.085	317062.2758	6761794.502	315501.3632	6757172.972
313506.5	6758063.849	313118.7718	6761980.972	316343.1342	6761794.502	315502.1981	6757167.609
313511.2179	6758063.942	313456.6169	6762338.023	315523.6487	6761118.243	315220.6718	6756993.369
313516.6921	6757746.596	314841.2045	6762382.724	315616.2361	6761118.243	315107.9785	6756806.638
313444.2773	6757740.665	314873.6693	6762416.248	315616	6760775	314990.8567	6756856.41
313395.3144	6757631.63	314923.5422	6762416.591	315764.7546	6760796.324	314857.0613	6756534.986
314670.5295	6757058.997	314923.4266	6762462.826	315764.7546	6760791.274	314841.0063	6756534.998
314948.6943	6757275.041	314794.7989	6762462.826	315616.236	6760770.245	314824.8748	6756499.181
315079.7311	6757144.005	314795.0096	6762686.574	315616.236	6760740.736	314820.0551	6756499.18
315683.7219	6758136.557	314945.4462	6762686.574	315288.0734	6760740.736	314820.0537	6756407.725
315683.7219	6758205.586	314945.4462	6762650.202	315224.3198	6760687.258	314641.5625	6756403.31
315704.1065	6758205.66	315095.938	6762650.202	315436.6632	6760411.255	314644.0063	6756304.498
315247.5655	6759834.412	315095.938	6762689.78	315522.8661	6760091.743	314743.3932	6755332.491
315122.3899	6759799.325	315222.5	6762689.78	315668.0367	6760130.642	314641.488	6755332.491
315083.2546	6759938.944	315222.5	6762839.78	315669.3308	6760125.812	314641.488	6755211.57
315169.9165	6759963.236	315227.5	6762839.78	315524.442	6760086.989	314753.0353	6755100.022
314908.3293	6760896.472	315227.5	6762689.78	315567.9828	6759924.493	314787.5146	6754737.042
314946.936	6760906.935	315316.2742	6762689.78	315334.2448	6759857.845	314809.1527	6754737.042
314899.4023	6761076.516	315316.2497	6762462.827	315459.6016	6759416.176	314805.3455	6754742.042
313705.2081	6760887.723	315551.3738	6762457.379	315910.6724	6759416.176	315612.2404	6754742.042
313705.2081	6760718.148	315730.1997	6762434.28	315910.6725	6759254	315722.3062	6754773.967
313321.9103	6760718.148	316388.9954	6761874.502	316060.6725	6759254	316006.6282	6755058.289
313321.9103	6760847.5	316929.2133	6761874.502	316060.6725	6759249	316285.0278	6755058.289
313171.9103	6760847.5	316913.2077	6761979.509	315910.6724	6759249	316284.7772	6755357.489
313171.9103	6760852.5	317015.7585	6762132.381	315910.6725	6759054.639	316149.4273	6755358.467

PRESCRIBED PREMISES BOUNDARY	
<i>Northing</i>	<i>Easting</i>
315870.9123	6755651.993
315741.003	6755714.825
315723.1905	6755980.784
315903.9997	6755987.179
315934.1808	6755672.253
316039.6198	6755564.642
316096.2992	6755564.642
316396.838	6755408.812
316413.5811	6755390.455
316436.4113	6755332.957
316389.4638	6754805.859
315874.3135	6754805.859
315735.3659	6754666.911
314815.2626	6754666.911
314813.9254	6754686.915
314789.2088	6754686.911
314816.3699	6754371.636
314883.4942	6754249
314965.4227	6752984.906
315965.0038	6753001.299
315979.1976	6752053.882
315928.5186	6751722.307
315889.013	6751684.623
315889.8134	6751558.925
315727.9769	6751557.919
315632.9677	6751607.467
315644.5851	6751677.432
315698.6053	6751696.663
315698.6053	6751715.108
315727.977	6751731.119
315727.9769	6751741.898
315871.7229	6751741.898
315880.4399	6751748.212
315885.3199	6751756.597
315929.1516	6752057.193
315915.3338	6752950.994
314918.6113	6752934.089
314834.3153	6754234.711
314767.4761	6754356.73
314744.3619	6754624.896
314679.2148	6754668.182
314261.5515	6754672.916
314261.4601	6755331.13
313301.9252	6755327.56
313300.6856	6755626.313
313358.0498	6755628.159
313352.93	6755785.456
313271.3605	6755785.456
313269.9973	6755936.6
314504.4902	6756594.485
314686.4382	6756997.034
314893.0957	6756901.525
314750.7518	6756594.485
314717.0132	6757038.124
314944.9449	6757215.151
315055.6554	6757104.441
314951.2843	6756932.925
315198.9658	6760376.332
315131.8316	6760614.462
315163.2926	6760670.906
315219.0895	6760685.856
315430.9953	6760410.423
315121.1073	6760822.563
315116.9514	6760838.074

PRESCRIBED PREMISES BOUNDARY	
<i>Northing</i>	<i>Easting</i>
315178.7243	6761107.272
315174.6288	6761111.67
315114.1778	6760848.082
315086.9152	6760944.443
314995.4151	6760918.894
314968.5984	6761014.935
315026.5964	6761038.585
314921.7974	6761448.543
314937.3314	6761496.513
314928.2923	6762335.363
315024.1011	6762336.699
315023.3689	6762392.184
315316.242	6762392.153
315546.6996	6762387.46
315700.6718	6762367.513
316305.1348	6761853.901
315413.6699	6761118.243
315288.0735	6761118.243
315288.0734	6760956.326
315264.7468	6760862.308
314446.2398	6754737.042
314321.4738	6754861.808
314321.4738	6755331.131
314572.4695	6755332.237
314572.7668	6755266.14
314523.6429	6755265.919
314523.6429	6755172.278
314573.0664	6755172.278
314685.7717	6755067.898
314712.7764	6754783.605
314679.2147	6754737.042
313589.2589	6760744.444
313589.2589	6760768.776
313607.4442	6760768.777
313607.4442	6760744.444
313591.2256	6760852.684
313591.2257	6760882.463
313667.3974	6760882.463
313667.3974	6760852.684
313579.19	6760912.228
313579.19	6760988.048
313611.1931	6760993.907
313611.6403	6760912.228
313547.7559	6760982.434
313539.2011	6761021.603
313571.3382	6761020.523
313570.0263	6760989.858
312174.4367	6761911.915
312174.4367	6761932.276
312211.8895	6761932.276
312211.8895	6761911.915
311911.2468	6761899.928
311911.2468	6761928.466
311942.0546	6761928.466
311942.0546	6761899.928
313312.606	6757593.915
313058.8072	6757707.885
313375.9938	6757735.072

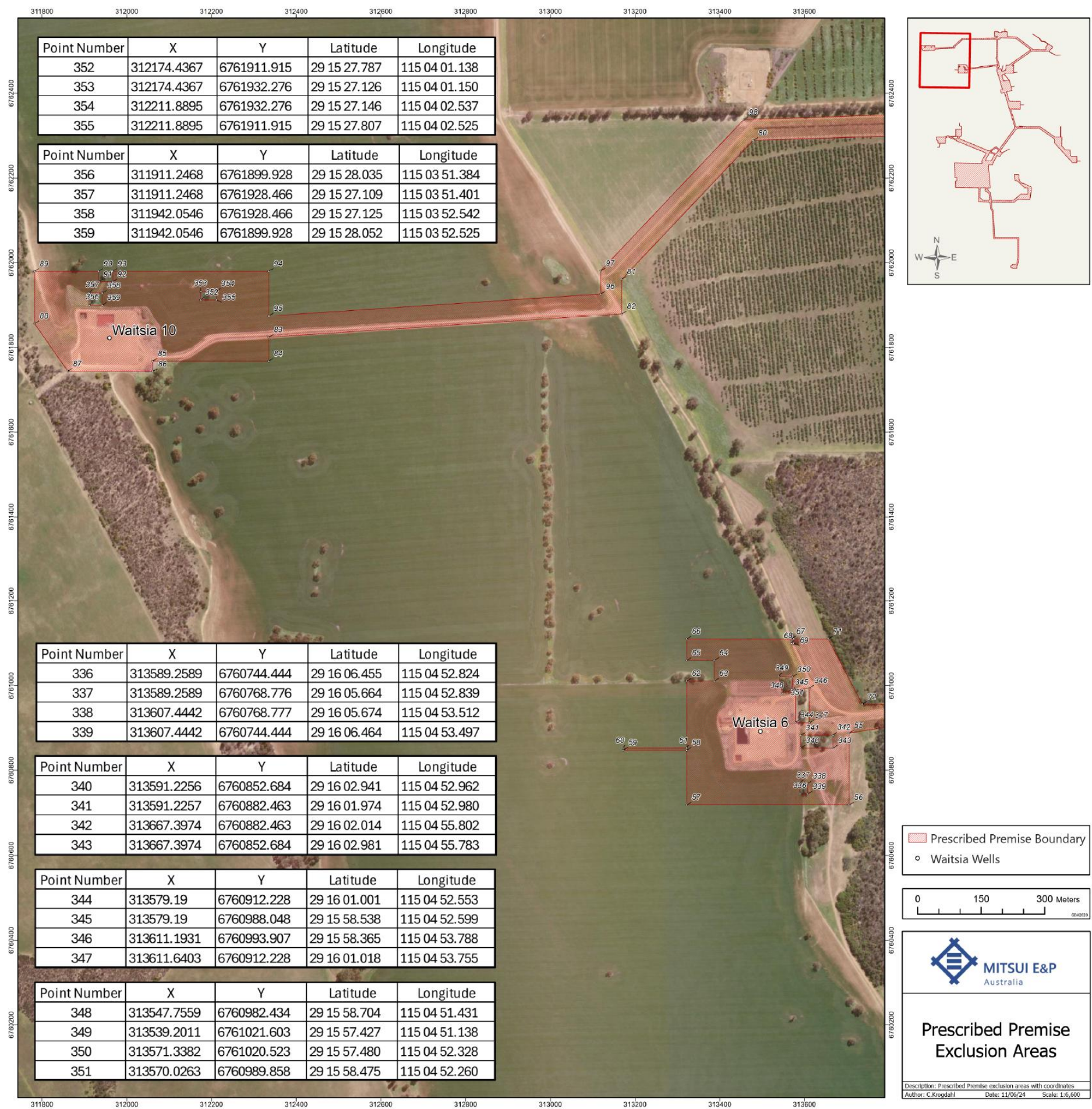


Figure 2: Premises boundary exclusion areas.