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mitsui E&P
Australia

Waitsia Gas Project Stage 2: Flowline and Hubs Construction Environment Plan Summary

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RELATED DOCUMENTS

Document Number	Title
WGP-HSE-PLN-00002	WGPS2: Flowline and Hubs Construction Environment Plan

TERMS, ABBREVIATIONS AND DEFINITIONS

Term or Abbreviation	Definition
AWE	AWE Perth Pty Ltd trading as MEPAU
CO ₂	Carbon dioxide
DBNGP	Dampier to Bunbury Natural Gas Pipeline
DFES	(WA) Department of Fire and Emergency Services
DPLH	(WA) Department of Planning, Land and Heritage
DMIRS	(WA) Department of Mines, Industry Regulation and Safety
DWER	(WA) Department of Water and Environmental Regulation
DMS	Document Management System
EP	Environment Plan
EP Act	<i>Environmental Protection Act 1986</i>
EPA	(WA) Environmental Protection Authority
ERP	Emergency Response Plan
HSE	Health, Safety and Environment
HSEMS	Health, Safety and Environment Management System
JTSI	(WA) Department of Jobs, Tourism, Science and Innovation
MEPAU	Mitsui E&P Australia
NDT	Non-destructive testing
PDWSA	Public Drinking Water Source Areas
PGER(E)R	(WA) Petroleum Geothermal Energy Resources (Environment) Regulations 2012
PGP	Parmelia Gas Pipeline
TCV	Temporary Construction Village
TJ	Terajoule
TJ/day	Terajoules per day
WA	Western Australia
WGP	Waitsia Gas Plant
WGP2	Waitsia Gas Project Stage 2
WS1E	Waitsia Stage 1 Expansion Project
XPF	Xyris Production Facility

1.0 INTRODUCTION

Mitsui E&P Australia Pty Ltd and AWE Perth Pty Ltd¹ are wholly owned subsidiaries of Mitsui & Co. Ltd. Combined they form the unified brand Mitsui E&P Australia Group (MEPAU). MEPAU plans to further develop the Waitsia gas field located 20 km east-south-east of Dongara, Western Australia (WA) to provide increased quantities of natural gas into the WA market.

The Waitsia Gas Project Stage 1A, commissioned in August 2016, connected the Waitsia-01 and Senecio-03 wells to the refurbished Xyris Production Facility² (XPF), with a gas output capacity of up to 11.5 TJ/day exported into the Parmelia Gas Pipeline (PGP).

In August 2020, the Waitsia Stage 1 Expansion Project (WS1E) connected a third well, Waitsia-02 to a further expanded XPF, and installed the Waitsia Export Pipeline (PL124) from the XPF to the Dampier to Bunbury Natural Gas Pipeline (DBNGP) (disconnecting from the PGP). The expansion modifications undertaken at the XPF have increased the gas export capacity up to 30 TJ/day.

The proposed Waitsia Gas Project Stage 2 (WGP2) aims to further develop the Waitsia gas field by drilling and connecting additional wells into a newly constructed gas treatment plant, the Waitsia Gas Plant (WGP). Production via the expanded XPF and well testing results have been used to confirm the conventional gas reserves that underpin the WGP2, with the WGP2 expected to be operational in 2023.

The WGP2 was referred under the *Environmental Protection Act 1986* (EP Act) to the EPA on 23 August 2019. In September 2020, the EPA recommended approval of the WGP2 (detailed in Report 1687). At the time of writing the EP Summary, the EPA assessment status is pending 'Ministerial Approval'.

On 1 February 2021, Ministerial Approval was received for the project via Ministerial Statement 1164.

1.1 WGP2 Key Components

The Waitsia gas field occurs within the Geraldton Sandplains bioregion of WA in predominantly cleared agricultural land.

The proposed WGP2 involves the construction of a new gas treatment plant (the WGP) and additional gas gathering facilities, resulting in up to eight (8) production wells being connected to the WGP.

The WGP will export conditioned gas into the DBNGP, via a newly constructed pipeline that will connect into PL124.

When complete, the WGP2 is intended to comprise a gas gathering system involving wellheads, well flowlines, gathering hubs, and gathering flowlines. Wellhead fluids are to be directed to the WGP, comprising inlet facilities, gas conditioning (carbon dioxide (CO₂) removal, dew point control for water and hydrocarbon), liquids handling, export compression, export metering, an export pipeline (via PL124), condensate storage and load-out facilities, along with associated utilities.

¹ AWE Perth Pty Ltd is a wholly owned subsidiary of AWE Pty Ltd.

² The XPF had been in care and maintenance between 2010 and 2016.

WGP2 comprises the following key components:

- Constructing a new gas plant (WGP), with a maximum export capacity of 250 terajoules (TJ) per day;
- Drilling up to six (6) new wells, supplementing the existing two (2) suspended appraisal wells;
- Installing a gathering system comprising flowlines and hubs to convey the extracted gas to the WGP;
- Constructing a short (~1 km) pipeline to connect the WGP to the existing Waitsia Export Pipeline (PL124);
- Installing a flowline from the WGP for water re-injection to the reservoir formation via disused petroleum production wells; and
- Construction of a Temporary Construction Village (TCV), to support the WGP installation works.

The activities under the EP are located entirely within L1 Petroleum Title – Production Licence.

1.2 Purpose

The EP and this EP Summary have been prepared to meet the requirements of the:

- Petroleum and Geothermal Energy Resources (Environment) Regulations 2012 (PGER(E)R).

Guidance on the EP development was provided by the Department of Mines, Industry Regulation and Safety (DMIRS) '*Guideline for the Development of Petroleum and Geothermal Environment Plans in Western Australia*'.

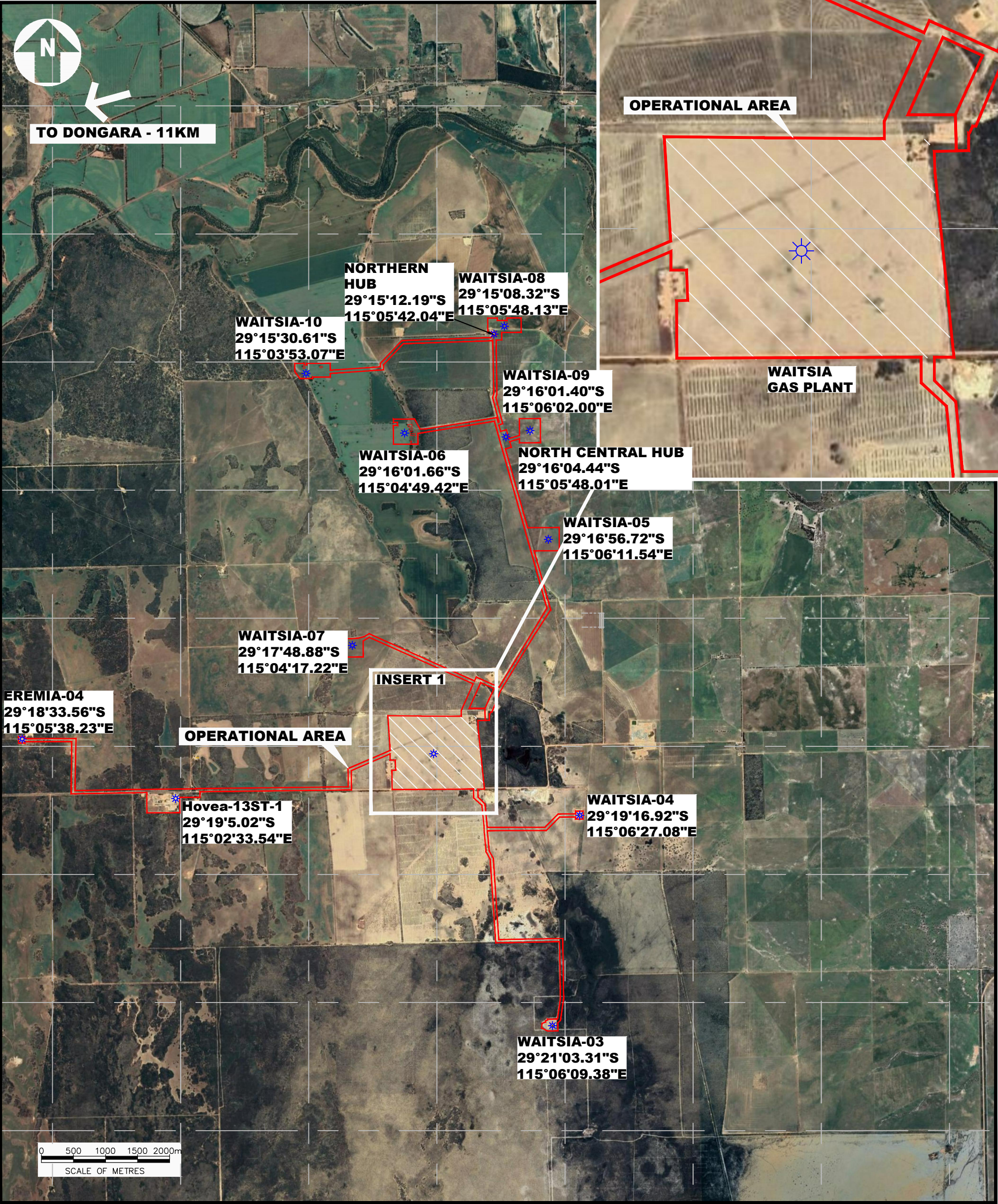
1.3 Nominated Contact Details

The nominated contact details are included in Table 1-1.

Table 1-1 Nominated Contact Details

Contact Details	
Name	Steve McCracken
Position / Company	Project Director – Waitsia AWE Perth Pty Ltd
Address	Level 11 Exchange Tower, 2 The Esplanade, Perth WA 6000
Telephone number	08 6364 4777
Email address	enquiry@mepau.com.au

Figure 1-1 Flowline and Hubs Operational Area



DRAWING No.		TITLE				DRAWING No.		TITLE		
REFERENCE DRAWINGS										
C	26.07.21	BC	AF			RE-ISSUED FOR INFORMATION				
B	29.04.21	BC				ISSUED FOR INFORMATION				
A	22.12.20	BC	HF			ISSUED FOR INFORMATION				
No	DATE	BY	DRAFT CHK'D	ENG. CHK'D	ENG. APPR'L	DESCRIPTION				CLIENT APPR'L
REVISIONS										

DRAFTING APPR'L:	DATE:
PROJECT APPR'L:	DATE:
CLIENT APPR'L:	DATE:
APPROVALS	

AWE PERTH PTY LTD			
WAITSIA GAS PROJECT STAGE 2 EXPANSION OPERATIONAL AREA			
SCALE: AS SHOWN	DRAWN: BC DATE: 17/12/2020	DRAWING No: WAT-SK-201-01	REV C

2.0 DESCRIPTION OF THE ACTIVITY

The scope of the EP is limited to the construction of the flowlines and hubs associated with the WGP2 gathering system.

2.1 Operational Area

The Operational Area for the EP has been defined as the area in which the flowlines and hubs are to be constructed, and supporting activities undertaken. The coordinates for key locations within the Operational Area are provided in Table 2-1 and depicted on Figure 1-1.

Table 2-1 Key locations within the Operational Area Coordinates (GDA94, MGA Zone 50)

	Latitude	Longitude
Waitsia-10	29° 15' 30.61" S	115° 03' 53.07" E
Waitsia-09	29° 16' 01.40" S	115° 06' 02.00" E
Waitsia-08	29° 15' 08.32" S	115° 05' 48.13" E
Waitsia-07	29° 17' 48.88" S	115° 04' 17.22" E
Waitsia-06	29° 16' 01.66" S	115° 04' 49.42" E
Waitsia-05	29° 16' 56.72" S	115° 06' 11.54" E
Waitsia-04	29° 19' 16.92" S	115° 06' 27.08" E
Waitsia-03	29° 21' 3.31" S	115° 06' 9.38" E
Hovea-13ST-1	29° 19' 5.02" S	115° 02' 33.54" E
Northern Hub	29°15'12.19"S	115°05'42.04"E
North-Central Hub	29° 16' 4.44" S	115° 5' 48.01" E
Eremita-04	29°18'33.56"S	115°05'38.23"E
WGP	29° 18' 44.49" S	115° 5' 3.21" E

2.2 Timeframe and Schedule

Activities managed under the EP are planned to commence in Q3 2021. Based upon estimated work schedules, construction work is planned to be completed in Q2 2023.

Although the majority of activities covered in the EP are expected to be undertaken during daylight hours, any activities may be undertaken at night depending on schedule or other drivers. Of these, some low-risk activities such as non-destructive testing (NDT), and hydrotesting are more likely to be completed at night.

2.3 Activity Description

The activities covered by the EP involve the following key phases:

- Flowline civil works; vegetation clearing; topsoil stripping; excavation; and bedding/padding.

- Flowline construction and installation; stringing of pipe sections along the ROW alignment; joining (welding) of pipe sections; joint/weld testing (i.e. NDT); flowline coating; grit blasting; and placement of pipe into the excavated trench.
- Hydrotesting; completion of hydrostatic testing.
- Hub construction; civil earthworks comprising cut and fill, levelling, sheeting and preparation of hardstands; installation of underground and above ground piping / services; and fencing.
- Site Reinstatement; removal of any redundant equipment; ripping of compacted soils; and spreading of stockpiled topsoil and vegetation.
- Inspection, maintenance and repair: inspections including visual inspections, cathodic protection measures, pigging and NDT; maintenance of infrastructure; and repairs to the ROW, flowlines, equipment and/or cathodic protection systems
- Supporting Activities: waste management; hazardous materials and chemical management; and vehicle use.

3.0 DESCRIPTION OF THE ENVIRONMENT

A summary of the environment within proximity of the proposed activities is included in Table 3-1 with sensitivities presented in Figure 3-1.

Table 3-1 Existing Environment Summary

Environment	Summary
Climate	Windy region with hot dry summers and mild wet winters.
Soil	Soils within the Perth Basin are light and sandy and well drained.
Groundwater	The groundwater system comprises predominantly unconfined superficial formations overlying the Yarragadee Aquifer (Yarragadee). Standing water levels vary from 75 m Australian height datum (m AHD) to 15 m AHD, corresponding to 0 to 100 metres below ground surface (m bgs). Ejarno Spring is a surface expression of groundwater located ~370 m east of the Operational Area boundary.
Public Drinking Water Source Areas (PDWSA)	Allanooka-Dongara Water Reserve is the closest PDWSA, located 12 km north of the WGP. There is little hydraulic connection between the Reserve and the Operational Area.
Acid Sulphate Soils	Acid sulphate soils are not known to occur.
Conservation Areas	No conservation areas within proximity of the activities (Figure 3-1).
Environmentally Sensitive Areas	No Environmentally Sensitive Areas within proximity of the activities (Figure 3-1).
Vegetation Communities and Flora	Activities are within previously cleared areas, in an agricultural paddock. Vegetation communities adjacent to the activities are well represented and not threatened. Several Priority listed flora present.
Weeds	Numerous weeds are present with botanical surveys identifying 25 species occurring within the vicinity of activities.
Dieback	Not known to occur and unlikely to occur due to calcareous soils.

Environment	Summary
Fauna	Predominantly introduced and domestic mammals (cattle, sheep, rabbits and foxes) and potential for some native animal species (reptiles and birds).
Aboriginal Heritage	No impacts to registered heritage sites within the Operational Area.
Native Title	The Operational Area occurs within Production Licence L1. L1 (in combination with L2) has a registered native claim over the entire Licence area. Under the <i>Native Title Act 1993</i> , an Indigenous Land Use Agreement registered by Southern Yamatji (Tribunal file (WC2017/002) came into effect on 27 October 2020.
European Heritage	No European heritage sites within proximity of the activities.
Socio-economic Environment	Socio-economic environment predominantly consists of agriculture and the petroleum industry. Closest townsite is ~20 km from the Operational Area.

Figure 3-1 Conservation Significant Area



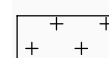
LEGEND



ENVIRONMENTALLY SENSITIVE AREAS



NATURE RESERVES



EPA REDBOOK RECOMMENDED NATURE RESERVES



MITSUI E&P
Australia

[illegible]

DRAFTING APPR'L:	DATE:
PROJECT APPR'L:	DATE:
CLIENT APPR'L:	DATE:
APPROVALS	

AWE PERTH PTY LTD
WAITSIA GAS PROJECT
STAGE 2 EXPANSION
CONSERVATION SIGNIFICANT AREAS

SCALE: AS SHOWN	DRAWN: BC DATE: 17/12/2020	DRAWING No: WAT-SK-201-02	REV B
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4.0 ENVIRONMENTAL RISK ASSESSMENT AND MANAGEMENT

Risk assessments have been undertaken for the WGP2 and included Project Management, Engineering and HSE Representatives. Hazards and their associated aspects and their associated management and mitigation measures are detailed below in Table 4-1.

Table 4-1 Risk Assessment Outcome Summary

Aspect	Hazard	Management and Mitigation measures
Ground and Vegetation Disturbance	<ul style="list-style-type: none"> Spread of non-indigenous species (weeds, dieback pathogens etc.) / Introduction of new WoNS or dieback Damage to heritage sites / artefacts Unintentional clearing of native vegetation Inadequate site reinstatement 	<ul style="list-style-type: none"> Clearing Protocol Post-clearing survey Clearing outside of boundaries reported Restricted vehicle movement Topsoil stripped and windrowed Retention of nesting trees Avoid Aboriginal Heritage sites Soil and Vegetation stockpiled separately within ROW Survey of stockpile locations Annual flora and vegetation survey Biannual dieback monitoring Soil and vegetation materials introduced to site assessed as low risk Trench bedding and padding undertaken with clean sand Weed inspections Separate topsoil and subsurface soil stockpiles Weed and hygiene management protocol Consultation with Southern Yamatji Recommendations by the Southern Yamatji Heritage monitors Heritage artefact identification procedure Land Access Agreement Monitoring of areas to be rehabilitated
Dust Emissions	<ul style="list-style-type: none"> Disturbance to local landowners and impacts to vegetation 	<ul style="list-style-type: none"> Dust suppression Speed limits Complaints management system
Light Emissions	<ul style="list-style-type: none"> Disturbance to sensitive fauna or local landowners 	<ul style="list-style-type: none"> Limited night time works Limited duration of hydrostatic testing Complaints management system

Aspect	Hazard	Management and Mitigation measures
Fire	<ul style="list-style-type: none"> Habitat and vegetation loss and/or fauna injury/fatality 	<ul style="list-style-type: none"> Electrical equipment testing and tagging Hot works guards Permit to Work Bush Fires Regulations 1954 Contractors Waitsia Stage 2 Construction Emergency Response Plan (CERP) (to be developed) Flammable and combustible materials located away from ignition sources. Subscribe to local fire notifications to identify total fire ban days.
Air Emissions	<ul style="list-style-type: none"> Disturbance to sensitive fauna or impacts to local landowners 	<ul style="list-style-type: none"> Emissions are monitored and reported Complaints management system
Noise and Vibration Emissions	<ul style="list-style-type: none"> Disturbance to sensitive fauna or impacts to local landowners 	<ul style="list-style-type: none"> Environmental Protection (Noise) Regulations 1997 Complaints management system
Physical Interaction with Fauna	<ul style="list-style-type: none"> Death or injury to fauna 	<ul style="list-style-type: none"> Relocation of fauna by authorized personnel Buried flowlines Trench Inspections Speed Limits Fauna egress / shelter Pipes capped
Planned Discharge – Hydrotest fluid	<ul style="list-style-type: none"> Contamination of soil / groundwater 	<ul style="list-style-type: none"> Hydrostatic Test Philosophy Planned discharges are monitored and reported Chemical assessment process Discharge analysis Designated discharge locations Erosion inspection
Accidental Release - Waste	<ul style="list-style-type: none"> Environmental pollution and fauna injury or death (from ingestion) 	<ul style="list-style-type: none"> Licensed waste contractor Segregation and storage of waste Controlled wastes shall be banded Disposal of waste at appropriately licenced facility Waste Register Appropriate rubbish bins Environmental Protection (Abrasive Blasting) Regulations 1998

Aspect	Hazard	Management and Mitigation measures
Accidental Release – Hazardous Materials / Hydrocarbon / Chemical Handling and Storage	<ul style="list-style-type: none"> Contamination of soil / groundwater 	<ul style="list-style-type: none"> AS1940 Bulk Hazardous and Hydrocarbon storage container requirements Dangerous goods storage requirements On-site vehicle / equipment refuelling procedure Evaporation pond design Spill kits Oil Spill Contingency Plan Contractors Waitsia Stage 2 (CERP) (to be developed)

5.0 IMPLEMENTATION STRATEGY

To meet the requirements of Regulation 15(1) of the PGER(E)R, the EP describes the systems, practices, and procedures used to ensure that the environmental impacts and risks of the activities are continuously reduced to ALARP, and the environmental performance objectives and standards detailed in the EP are achieved.

5.1 Management System Overview

5.1.1 Documentation Hierarchy

MEPAU's Health, Safety and Environment Management System (HSEMS) is hierarchal in nature, with the key levels of documentation shown below in Figure 5-1.



Figure 5-1 HSEMS Documentation Hierarchy

The HSEMS establishes clear guidelines for personnel involved in this activity to achieve and maintain the standards set out in the EP.

5.1.2 Corporate HSE Elements

The 15 HSE Elements are listed in Table 5-1, and those that are relevant to the manner in which the EP is implemented are identified.

Table 5-1 HSE Elements

HSE Element Number	Element Name	Relevant to support environmental management of this Activity
1	Leadership and Responsibility	<input checked="" type="checkbox"/>
2	Hazard Identification and Risk Management	<input checked="" type="checkbox"/>
3	Compliance	<input checked="" type="checkbox"/>
4	Workforce Training and Competency	<input checked="" type="checkbox"/>
5	Workforce Involvement and Stakeholder Engagement	<input checked="" type="checkbox"/>
6	Design, Construction, Commissioning and Decommissioning	<input type="checkbox"/>
7	Operations Management	<input type="checkbox"/>
8	Asset Integrity Management	<input type="checkbox"/>
9	Management of Contractors and Materials	<input checked="" type="checkbox"/>
10	Occupational Health and Wellbeing	<input type="checkbox"/>
11	Management of Change	<input checked="" type="checkbox"/>
12	Incident Reporting and Investigation	<input checked="" type="checkbox"/>
13	Emergency Preparedness and Response	<input checked="" type="checkbox"/>
14	Information Management and Document Control	<input checked="" type="checkbox"/>
15	Audit, Assessment and Review	<input checked="" type="checkbox"/>

5.2 Environment Plan Review

Regulation 18 of the PGER(E)R requires that MEPAU submit a proposed revision of the accepted EP:

- Before the commencement of a new activity, or any significant modification, change of a new stage of an existing activity,
- Before, or as soon as practicable after, the occurrence of any significant new environmental impact or risk, or significant increase in an existing environmental impact or risk which occurred or is to occur.

Additionally, Regulation 20 of PGER(E)R requires that MEPAU submit a proposed revision of the EP five years from the date when the EP is accepted by the Minister. However, noting the scope of the EP, it is expected to be closed prior to requiring a five-year review.

6.0 CONSULTATION

MEPAU is committed to stakeholder engagement, and conducts this through a structured process that includes:

- Identification and analysis of stakeholder groups;
- Adopted method of communication with each stakeholder group;
- Determination of the type of information that is required to be communicated and when;
- Confirmation of the MEPAU personnel that are responsible for implementing the commitments outlined in the EP;
- Reporting responsibilities and relationships during communication and consultation processes; and
- A list of contacts and the contact details for all key stakeholders.

MEPAU maintains a database of stakeholder communication and is committed to ongoing consultation and open dialogue with key stakeholders for the duration of the project. In addition to direct engagement, MEPAU hosts a Mid-West website (www.mitsuiepmidwest.com.au) that includes project specific pages, blogs, a feedback form and hyperlinks to other websites. The website provides an additional method for MEPAU to communicate with stakeholders on a continuing basis.

Due to the nature of MEPAU's activities within the region, MEPAU (and previous operators) have routinely engaged with the following (not exhaustive) stakeholder types:

- Landowners of the properties where the assets are located, and adjacent to them;
- Local stakeholders;
- Neighbouring operators;
- Local government (Shire of Irwin and City of Geraldton);
- Government Agencies;
- Southern Yamatji people (Traditional Owners); and
- Joint Venture Partner – Beach Energy (Beach Energy (Perth Basin) Pty Ltd).

Previous engagement for the WGP2 is documented within the Part IV EP Act Referral (P-WGP2-047). Given the restrictions imposed by the COVID-19 pandemic, many of the planned face-to-face activities planned during 2020 were unable to take place. Instead, there was an increased reliance on other communication tools (e.g. internet, video meetings, phone calls).

In accordance with Regulation 17 of PGER(E)R, MEPAU completed a scoping exercise to determine which authorities, persons and organisations were relevant for the activities covered under the EP. As the assets are in regional areas and distant from any town sites, the following stakeholders were identified and include:

- Landowners of the properties where the assets are located, and adjacent to them,
- Local government (Shire of Irwin), and
- Southern Yamatji people (Traditional Owners).

6.1 Ongoing Consultation

In accordance with Regulation 15(11) the implementation strategy must provide for appropriate consultation with relevant authorities and other relevant interested persons or organisations.

MEPAU will continue to consult with relevant stakeholders throughout the course of the EP and until completion the EP activities. MEPAU will specifically engage and consult with relevant stakeholders reflecting key project milestones and on a frequency at their request. Specific engagement with relevant stakeholders has, and will continue to occur, via the development and circulation of a stakeholder Information Sheet prior to the implementation of the following WGP2 components:

- Construction of well sites and production well drilling,
- Construction of the Export Pipeline,
- Commissioning and operation of the WGP and Gathering System.

In addition, MEPAU undertakes annual stakeholder surveys by an independent consultant and uses these results to help plan effective engagement with key stakeholders.

However, based upon the nature and scale of the WGP2, and as no specific triggers or frequency for updates have been requested to date, MEPAU plans to keep stakeholders informed of progress through the wider MEPAU engagement process supplemented by ongoing consultation with landowners where required as part of Land Access Agreements.

As described in Table 6-1, the landowners have been consulted about project design and will be informed prior to the construction period commencing.

Table 6-1 Stakeholder Consultation Undertaken Specific to the EP

Stakeholder	Date	Summary of Consultation	Objections / claims raised	MEPAU response	Close out of Issues (if any)
Landowners – neighbouring and nearby farms	17 February 2020	Meeting onsite with the Leasee of Irwin Park Farm to discuss the proposed WGP2 layout of wells (separate Drilling EP), access tracks and any general feedback.	No specific concerns or objections were raised from this engagement activity. Positive engagement with input into wet weather infringements to expect if conducting works in the winter months.	MEPAU has continued to engage with neighbouring properties and Irwin Park Farm Leasee. Kupsch Farming (Irwin Park Farm Leasee) has been consulted with regard to the revised well site locations (Waitsia-10).	N/A
	2 March 2021	Emailed notification of Community Information Exchange Session being held in Dongara on 10 March.			
	5 March 2015	Information Sheet emailed to Tara Farming Co Pty Ltd (Irwin Park Farm), with specific details of construction of the flowlines and hubs associated with the gas gathering system.			
	5 March 2021	Information Sheet emailed to Revive Nominees Pty Ltd, with specific details of construction of the flowlines and hubs associated with the gas gathering system.	No specific concerns or objections were raised from this engagement activity.	MEPAU has continued to engage with other neighbouring properties	N/A
	5 March 2021	Information Sheet emailed to Lake Preston Beef Pty Ltd with specific details of construction of the flowlines and hubs associated with the gas gathering system.	No specific concerns or objections were raised from this engagement activity.	MEPAU has continued to engage with other neighbouring properties	N/A
	1 July 2021	Formal correspondence sent to advise of the WGP2 officially commencing. A copy of the Factsheet previously provided for both the WGP/TCV and Flowlines, Hubs and Drilling was incorporated.			
	5 March 2021	Information Sheet emailed to Avoca Farm, with specific details of construction of the flowlines	No specific concerns or objections were	MEPAU has continued to engage with other	N/A

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Stakeholder	Date	Summary of Consultation	Objections / claims raised	MEPAU response	Close out of Issues (if any)
		and hubs associated with the gas gathering system.	raised from this engagement activity.	neighbouring properties	
	5 March 2021	Information Sheet emailed to Hudson Resources Limited, with specific details of construction of the flowlines and hubs associated with the gas gathering system.	No specific concerns or objections were raised from this engagement activity.	MEPAU has continued to engage with other neighbouring properties	N/A
	5 March 2021	Information Sheet emailed to Mondarra Farming Co. with specific details of construction of the flowlines and hubs associated with the gas gathering system.	No specific concerns or objections were raised from this engagement activity.	MEPAU has continued to engage with other neighbouring properties	N/A
Landowners – neighbouring and nearby industry	5 March 2021 7 March 2021 8 March 2021	Information Sheet emailed to Mondarra Gas Storage Facility (APA), with specific details of construction of the flowlines and hubs associated with the gas gathering system. Email received from APA in regards to the Information Sheet sent in February for the separate WGP/TCV EP [following a phone call made by MEPAU (3 March) and message left to contact MEPAU with any queries]. APA sought to be kept updated on regular basis, particularly around the maintenance of Pye Road (such as who will be responsible for the upgrades/cost between HPF and the WGP). APA also requested for further engagement in regards to the future crossings within the Parmelia Gas pipeline and Cockburn Cement lateral during flowline construction works.	No specific objections to the Petroleum Activity. APA want to be kept updated on the Project as a whole - matters addressed in EP as well as other EPs.	MEPAU will continue engaging with APA and other adjacent industry. Further detailed crossing details of PL 1 and PL 39 will be formally provided to APA for comment, prior to confirmation of construction plans. APA have been invited to the AS2885 Risk Assessment scheduled to be held on 9 September 2021	N/A at present

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Stakeholder	Date	Summary of Consultation	Objections / claims raised	MEPAU response	Close out of Issues (if any)
	29 March 2021	MEPAU acknowledged the email and would follow up in detail from project personnel.			
	29 March 2021	MEPAU responded by email to APA. As relevant to this EP, MEPAU advised that it will cover the cost of maintaining Pye Road and the Whitmarsh Private Road in the areas used by MEPAU (during the construction phase. MEPAU confirmed to APA that the existing pipelines and other infrastructure in the area around the proposed WGP2 have been considered, and in particular those belonging to/managed by APA.			
	1 July 2021	APA responded with appreciation of the feedback, and happy to provide further information if required.			
		Formal correspondence sent to APA to advise of the WGP2 officially commencing. A copy of the Factsheet previously provided for both the WGP/TCV and Flowlines, Hubs and Drilling was incorporated.			
	5 March 2021	Information Sheet emailed to Lenanes (Pye Rd Waste Facility), with specific details of construction of the flowlines and hubs associated with the gas gathering system.	Positive feedback. No specific concerns or objections were raised from this engagement activity.	MEPAU will continue engaging with Lenanes and other adjacent industry.	N/A
	11 March 2021	Email responses from Lenanes on the Information Sheet (both WGP/TCV and Flowlines/Drilling), noting it was an exciting time for the Project and was ready to provide any assistance to MEPAU that is required.			

Waitsia Gas Project Stage 2: Flowline and Hubs Construction Environment Plan Summary

Stakeholder	Date	Summary of Consultation	Objections / claims raised	MEPAU response	Close out of Issues (if any)
	5 March 2021	Information Sheet emailed to Patience Bulk Haulage (Pye Rd Sand Quarry) with specific details of construction of the flowlines and hubs associated with the gas gathering system.	No specific concerns or objections were raised from this engagement activity.	MEPAU has continued to engage with Patience Bulk Haulage and other adjacent industry.	N/A
	5 March 2021	Information Sheet emailed to Asco Dongara (Pye Rd Storage Yard and Camp), with specific details of construction of the flowlines and hubs associated with the gas gathering system.	No specific concerns or objections were raised from this engagement activity.	MEPAU has continued to engaging with Asco and other adjacent industry.	N/A
EPA	1 February 2021	Ministerial statement issued approving the WGP2 (MS 1164)	No concerns were raised from the engagement activities.	None required	No concerns were raised from the engagement activities.
	20 April 2021	Section 45c application submitted to the EPA, for an amendment to be made to Ministerial Statement 1164 (minor variation to flowline routes/wellsite locations).	No specific concerns or objections were raised from this engagement activity.	None required	N/A
	28 June 2021 16 July 2021	Further information request received on the S45c assessment regarding sensitive receptors in relation to well relocation.	MEPAU response requested	A response provided on the S45c addressing the potential impacts of noise, and impacts to air quality and visual amenity on sensitive receptors.	EPA is assessing MEPAU's response

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	4 October 2021	EPA Chair approved the Section 45c development envelope change	Action closed	None required	N/A
DPLH	10 March 2021	Engaged with DPLH to confirm that the changes will not impact on DAA 18907	No specific concerns or objections were raised from this engagement activity.	None required	N/A
	20 March 2021	Engaged with the DPLH advising formal approach to be undertaken with DMIRS via PGER Act S15a to gain consent to access Reserve 10877.	No specific concerns or objections were raised from this engagement activity.	None required	N/A
	22 March 2021	Engaged with the DPLH advising a formal approach to be undertaken with DMIRS via PGER Act S15a to gain consent to access unmade road reserves the intersect the Waitsia Gas Project Stage 2 development envelope.	No specific concerns or objections were raised from this engagement activity.	None required	N/A
	23 March 2021	DPLH confirmed that DAA 18907 is associated with the beds and banks of the Irwin River, and confirmed that the proposed changes will not impact this site.	No specific concerns or objections were raised from this engagement activity.	None required	N/A
	11 October 2021	Meeting with DPLH Assistant Executive Director regarding the s15a assessment progress, due to be closed out in October	MEPAU response requested	Follow up in couple of weeks' time to confirm assessment complete and forwarded to DMIRS	DPLH and DMIRS confirmed DPLH Minister signed off, and approval with DMIRS for final actioning
DBCA	19 March 2021	Engaged with the DBCA advising formal approach to be undertaken via PGER Act S15a to gain	No specific concerns or objections were	None required	N/A

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		consent to continue to access Waitsia-03 via the firebreak /access road on Yordanogo reserve. Original access consent was received via PGER Act S15a in 2017.	raised from this engagement activity.		
Southern Yamatji / Yamatji Southern Regional Council	Various	Historic engagement and public comment on WGP2 project from YMAC on behalf of SY.	Captured in response to comments and in Ministerial Statement 1164.	None required	N/A
	Ongoing – December 2020 to present	Engagement with Terra Rosa on behalf of Southern Yamatji to undertake an Aboriginal Heritage Assessment	No specific concerns or objections were raised from this engagement activity.	None required	N/A
	3 February 2021	Phone call with individual Traditional Owner who raised interest in business engagement opportunities during the Project build.	No specific concerns or objections were raised from this engagement activity.	None required	N/A
	24 March 2021	Information Sheet emailed to YSRC, with specific details of construction of the flowlines and hubs associated with the gas gathering system.	No specific concerns or objections were raised from this engagement activity.	None required	N/A
	Ongoing – March 2021 to present	Engagement with YSRC regarding the YPSHA and heritage survey planning.	No specific concerns or objections were raised from this engagement activity.	None required	N/A
	20 May 2021	YPSHA executed between YSRC and MEPAU.	No specific concerns or objections were	None required	N/A

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			raised from this engagement activity.		
	16-18 June 2021	Heritage Survey #1 undertaken across portions of the WGP2 site, including the Waitsia-03 and 04 flowline routes, the Eremia-04 reinjection line, and the North-Central Hubs with members of YSRC.	Survey report is currently being reviewed.	Pending	Pending
	7-8 July 2021	Heritage Survey #2 undertaken across portions of the WGP2 site on the Irwin Park Farm with members of YSRC.	Survey report is currently being reviewed.	Pending	Pending
Local Shire – Shire of Irwin	15 February 2018	Meeting with Manager Planning and Development, Shire of Irwin. Discussed Waitisa-03 flowline and shire road reserves that is part of flowline corridor. Advised that road reserve part of historical division of land and highly unlikely to ever be built.	No specific concerns or objections were raised from this engagement activity.	None required	N/A
	21 January 2021 / 5 February 2021	Meeting with Shire of Irwin regarding the WGP2. Follow up email of maps showing where the network of flowlines will intersect existing (but unmade) road reserve.	No specific concerns or objections were raised from this engagement activity.	None required	N/A
	2 March 2021	Emailed notification of Community Information Exchange Session being held in Dongara on 10 March.	No specific concerns or objections were raised from this engagement activity.	None required	N/A
	5 March 2021	Information Sheet emailed to the Shire, with specific details on construction of the flowlines	No specific concerns or objections were	None required	N/A

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		and hubs associated with the gas gathering system.	raised from this engagement activity.		
	21 March 2021	MEPAU engaged with the Shire of Irwin advising formal approval to be undertaken with DMIRS via PGER Act S15a requirements gain consent to access road reserves across the Waitsia Development Envelope.	No specific concerns or objections were raised from this engagement activity.	None required	N/A
DMIRS	19 February 2021	DMIRS advised during a WGP2 meeting that the requirements under PGERA Section 15a. require MEPAU to seek the Ministers consent for any petroleum activities to access / cross any crown reserve / unallocated crown land.	MEPAU to investigate requirements under PGERA S15a	None required	N/A
	22 February 2021	Historical information on the Reserve 36203 emailed to DMIRS. DMIRS responded that that Ministerial Consent under s15A has 'been inferred to have been be given by way of the other relevant approvals' (i.e. Well application, WMP, SMS and EP). A Consent Instrument is required to then be entered into the Register against the relevant title.	MEPAU to apply to DMIRS for S15a consent	None required	N/A
	25 February 2021	Meeting with DMIRS Environmental Compliance Branch and MEPAU to discuss current Perth Basin Operations as well as the forthcoming EP submissions and status of the overall WGP2.	No concerns were raised from the engagement activities.	None required	N/A
	22 March 2021	Phone call and follow up email regarding progression of the PGERA Section 15a	No concerns were raised from the engagement activities.	None required	N/A

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	25 March 2021	DMIRS provided further advice regarding the approach to the PGERA Section 15a, with DMIRS to provide the referrals to other government departments upon receipt from MEPAU.	No concerns were raised from the engagement activities.	None required	N/A
	21 April 2021	MEPAU submitted to DMIRS by email information to progress the requirements of PGERA Section 15a "Consent of Minister required for entry on reserves for purposes of exploration etc." associated with the WGP2 and existing operations in Licence area L1.	No concerns were raised from the engagement activities.	Ongoing engagement/follow up with DMIRS who have facilitated consultation with DBCA and DPLH regarding Minister's approval (pending)	N/A
	13 May 2021	Phone call with DMIRS advised that DMIRS is happy with the level of detail provided on the Section 15a consent, and formal documents are being prepared to be sent to DPLH, DBCA and Water Corporation.	Pending action from DMIRS	None required	N/A
	June-August 2021	Ongoing follow up with DMIRS regarding progress of the Section 15a consent.	Pending action from DMIRS	None required – sufficient information provided	N/A
	16 August 2021	Quarterly Meeting with DMIRS Environmental Compliance Branch and MEPAU to discuss current Perth Basin Operations, exploration activities, drilling and WGP2 status of current approvals.	No concerns were raised from the engagement activities.	None required	N/A