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

REVIEW FREQUENCY

Next Revision Date	Revision Cycle
29/03/2029	5 years

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RELATED DOCUMENTS

Document Number	Title
WGP-HSE-PLN-00002	Waitsia Gas Project Stage 2: Flowline and Hubs Construction Environment Plan

TERMS, ABBREVIATIONS AND DEFINITIONS

Term or Abbreviation	Definition
DBCA	Department of Biodiversity, Conservation and Attractions
DBNGP	Dampier to Bunbury Natural Gas Pipeline
DFES	(WA) Department of Fire and Emergency Services
DPLH	(WA) Department of Planning, Land and Heritage
DEMIRS	(WA) Department of Energy, 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
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
TJ	Terajoule
TJ/day	Terajoules per day
WA	Western Australia
WGP	Waitsia Gas Plant
WGP2	Waitsia Gas Project Stage 2
XPF	Xyris Production Facility

1 INTRODUCTION

MEPAU Perth Basin Pty Ltd is a wholly-owned subsidiary of Mitsui E&P Australia Holdings Pty Ltd, which in turn is a wholly-owned subsidiary of Mitsui & Co., Ltd. The Mitsui E&P Australia Holdings Pty Ltd group of companies operates under the brand Mitsui E&P Australia (MEPAU).

MEPAU has a Perth based office and operates the Perth Basin Facilities. Located in the Mid-West of Western Australia, the Perth Basin encompasses all activities within Production Licences L1, L2, L4 and L5, in addition to all Exploration Licences and local communities surrounding these licence areas.

The Waitsia Gas Project Stage 1A, commissioned in August 2016, connected the Waitsia-01 and Senecio-03 wells to the refurbished Xyris Production Facility¹ (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 Background

The Waitsia Gas Project Stage 2 (Waitsia Stage 2) was referred under the Environmental Protection Act 1986 (EP Act) to the Environmental Protection Authority (EPA) on 23 August 2019. In September 2020, the EPA recommended approval of Waitsia Stage 2 (detailed in Report 1687)).

On 1 February 2021, Ministerial Approval was received for the project via Ministerial Statement (MS) 1164. The approved Project (Waitsia Stage 2) comprises the following key components:

- Constructing a new gas plant, the Waitsia 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;
- Installing a flowline from the WGP for water re-injection to the reservoir formation via suspended petroleum production wells.

Under s.45C of the EP Act, an application to amend the Development Envelope was submitted to the EPA due to further refinement of the well locations/reservoir targets and minor changes to the flowline routes. MS 1164 was amended on 4 October 2021.

A s.45C application of the EP Act was submitted to the EPA on 12 June 2023 and amended on 27 November 2023 to amend the development envelope and footprint to account for the Stage 2B activities, as well as increasing the number of gas production wells to maximum nineteen (19) to allow further development of the Waitsia Gas Field and to enable the approved production rate to be achieved over the life of the project.² The application was approved by the Environmental Protection Authority (EPA) Services and MS 1164 was amended on 17 April 2024.

The Waitsia Stage 2B development as part of the expansion of the Waitsia Stage 2 project includes:

- Drilling an additional five (5) to six (6) new production wells; and
- Installing flowlines and hubs to convey the extracted gas back to the gas gathering system for the WGP.

The WA-1 appraisal well has also been included in this EP to expedite tie-back of the well to the WGP should appraisal be successful.

Given the addition of the WS2B project to include the expanded footprint and to minimise disruption by ensuring continuity of information for the project team, the Waitsia Gas Project Stage 2: Flowline and Hubs Construction Environment Plan (the EP) and this EP Summary has been modified where appropriate to include the Stage 2B activities.

The Operational Area (corresponds with the Development Envelope) of WGP2 for the EP collectively covers both Waitsia Stage 2 and Waitsia Stage 2B activities from Section 1.4 onwards.

1.2 WGP2 Key Components

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

The WGP2 prior to the addition of WS2B involved 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.

² The WGP2 Referral to the EPA described that a further stage of the Waitsia gas field development could include connection of an additional three (3) existing wells and drilling eight (8) wells to be connected to the WGP, resulting in an expected 19 wells over the life of the field.

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.

WGP2 prior to the addition of WS2B comprised 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 and this EP Summary are located entirely within L1 Petroleum Title – Production Licence.

1.3 WS2B Key Components

The WS2B Project is also located within the L1 Production Licences in the Dongara Region. The WS2B project includes eight (8) nominated locations for the new wells, with plan to drill five (5) to six (6) wells and associated flowlines to tie back to the gas gathering system for the Waitsia Gas Plant. Out of the eight (8) wells considered for Waitsia Stage 2B, two (2) of the wells are contingent on consent of another operator in the area and one (1) is contingent on the performance of the five (5) main wells. Expansion of the surface gathering network to tie-in subsequent wells will also be sequenced accordingly.

To account for the change in surface infrastructure, MEPAU will need to:

- Amend the development envelope from 409.25 ha to 580.9 ha;
- Increase the area proposed to be cleared but maintain the pre-existing approved quantity of native vegetation clearing (16.5 ha);
- Increase the limit for the number of gas production wells; and
- Amend the daily production rate to an annualised production rate.

Changes to the production rate and total extent of clearing, as authorised under MS 1164, are not proposed. Nor are any changes to implementation conditions requested.

The Operational Area (WGP2 and WS2B combined) has been illustrated in Figure 1-1.

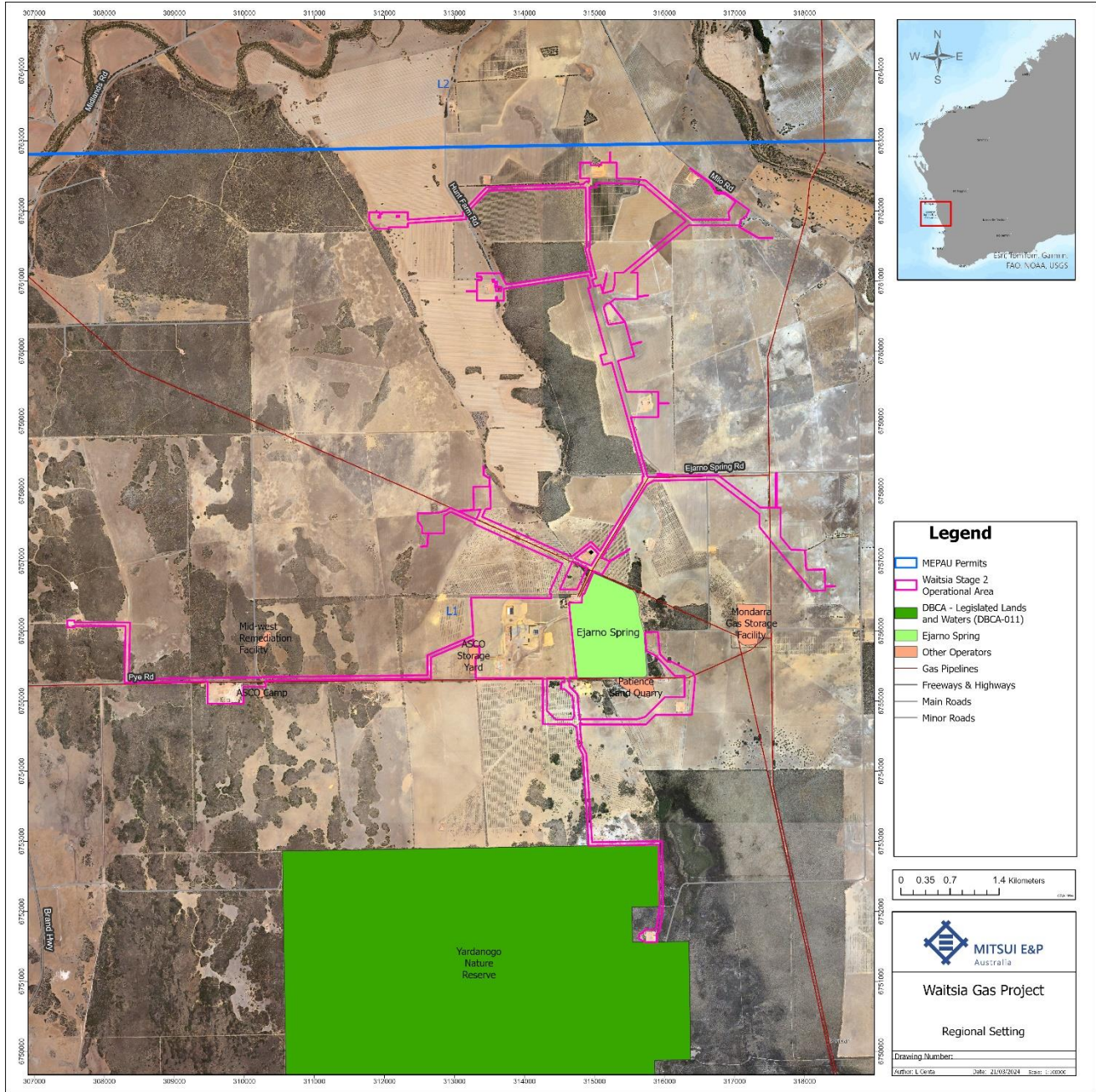


Figure 1-1 Operational Area (WGP2 and WS2B combined)

1.4 Purpose

This EP Summary has been prepared for the WGP2: Flowline and Hubs Construction EP 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 Energy, Mines, Industry Regulation and Safety (DEMIRS) draft *'Guideline for the Development of Petroleum and Geothermal Environment Plans in Western Australia'* (DMIRS 2022).

1.5 Nominated Contact Details

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

Table 1-1 Nominated Contact Details

Contact Details	
Company	MEPAU Perth Basin Pty Ltd
Address	Level 8 Alluvion, 58 Mounts Bay Road, Perth WA 6000
Telephone number	08 6364 4777
Email address	enquiry@mepau.com.au

2 DESCRIPTION OF THE ACTIVITY

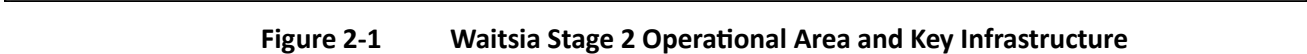
The scope of this e is inclusive of Stage 2, Stage 2B and WA-1 activities, for the construction of the flowlines, and hubs and well site infrastructure associated with the Waitsia Stage 2 gas gathering system and first fills for the pre-commissioning of this infrastructure.

Given the addition of the WS2B project to include the expanded footprint and to minimise disruption by ensuring continuity of information for the project team, the EP has been modified where appropriate to include the Stage 2B activities.

The Operational Area (corresponds with the Development Envelope) of WGP2 for the EP collectively covers both Waitsia Stage 2 and Waitsia Stage 2B activities.

2.1 Operational Area

The Operational Area encompasses the revised Development Envelope, approved under MS 1164 on 17 April 2024. (Figure 2-1).



2.2 Timeframe and Schedule

Activities managed under the EP commenced in Q1 2022. Waitsia Stage 2 activities are expected to continue into 2026. This schedule is based upon the most up to date information at the time of writing the EP, however it is subject to change. This activity is not affected by time of year constraints.

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

MEPAU do not plan to use heavy plant and machinery (such as excavators) between 1900 and 0700 hours on an extended and regular basis. MEPAU will not use heavy plant and machinery between 1900 and 0700 hours within 650 m of sensitive receptors.

2.3 Infrastructure

2.3.1.1 Flowlines and Hubs

Up to three (3) hubs will support Waitsia Stage 2. The Central Hub, which is co-located at the WGP, the New Northern Hub (adjacent to the existing Northern Hub) and the North-Central hub. Coordinates of the Hubs provided in Table 2-1. Waitsia Stage 2 production flowlines details are provided in Table 2-2.

Two decommissioned production wells (Hovea-13ST-1 and Eremia-04) have been repurposed into produced water injection wells for the disposal of produced water from the WGP.

Table 2-1 Hub Details

Hubs	Easting	Northing	Status
New Northern Hub	314902	6762366	Under construction as part of WS2 project
North-Central Hub	315071	6760756	Under construction as part of WS2 project
Central Hub (co-located at the WGP)	313935	6756118	Under construction as part of WS2 project

Table 2-2 Flowline Details (GDA94, MGA Zone 50)

Name	From	To	Start coordinates		End coordinates		Approximate Length (m)	Outside Diameter (mm)
			Easting	Northing	Easting	Northing		
Production Flowlines								
Waitsia-03 Flowline	Waitsia-03 well	Central Hub	315793	6751687	313941	6756123	6,579	273.1
Waitsia-04 Flowline	Waitsia-04 well	Central Hub	316191	6754906	313941	6756128	3,998	219.1
Waitsia-05 Flowline	Waitsia-05 well	North-Central Hub	315707	6759210	315093	6760783	1,988	219.1
Waitsia-06 Flowline	Waitsia-06 well	North-Central Hub	313526	6760920	315091	6760790	1,856	219.1
Waitsia-07 Flowline	Waitsia-07 well	Central Hub	312666	6757616	313941	6756136	3,451	219.1
Waitsia-08 Flowline	Waitsia-08 well	New Northern Hub	315040	6762522	314931	6762401	258	219.1
Waitsia-09 Flowline	Waitsia-09 well	North-Central Hub	315424	6760958	315095	6760779	487	219.1
Waitsia-11 Flowline	Waitsia-11 well	Central Hub	314408	6755896	313941	6756132	1,370	219.1
Waitsia-13 Flowline	Waitsia-13 well	Central Hub	318221	6756748	313931	6756184	6,700	273.1
Waitsia-14 Flowline	Waitsia-14 well	Central Hub	313470	6757931	313931	6756184	3,200	273.1
Waitsia-15 Flowline	Waitsia-15 well	Central Hub	315865	6755814	313931	6756184	5,220	273.1
Waitsia-19 Flowline	Waitsia-19 well	Central Hub	315865	6755814	313931	6756184	5,220	273.1
Waitsia-16 Flowline	Waitsia-16 well	North-Central Hub	315394	6760042	315111	6760726	1,200	273.1
Waitsia-17 Flowline	Waitsia-17 well	New Northern Hub	317059	6761908	314936	6762390	2,600	273.1
Waitsia-18 Flowline	Waitsia-18 well	New Northern Hub	317062	6761962	315111	6760726	2,850	273.1
WA-1 Flowline	WA-1 well	Central Hub	313418	6756162	313942	6756140	1,039	273.1
Northern Flowline	New Northern Hub	Central Hub (via the North-Central Hub)	314932	6762385	313946	6756111	7,908	457.2

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

Name	From	To	Start coordinates		End coordinates		Approximate Length (m)	Outside Diameter (mm)
			Easting	Northing	Easting	Northing		
PL128 – Waitsia to PL124 Export Pipeline ³	Waitsia Gas Plant	PL124 – Waitsia Export Pipeline	313943	6756105	314797	6756516	1,351	355.6
Produced Water Injection Flowlines								
Produced water injection flowline	WGP (Produced Water injection flowline from the WGP)	Hovea-13ST-1 and Eremia-04 suspended petroleum production wells	313962	6756100	307539	6756082	8,180	88.9

³ Coordinates for the PL 128 - Waitsia to PL 124 Export Pipeline are from the DEMIRS Consent to Operate application (45954-Y-73070-DET-L-00001)

2.3.1.2 Well Sites

The well sites associated with the EP and located within the Waitsia Stage 2 Operational Area are provided in Table 2-3.

Table 2-3 Well Site Details (GDA94, MGA Zone 50)

Infrastructure	Easting	Northing	Well Status	Well Pad Status
Wellsite⁴				
Waitsia-03	315803	6751639	Drilled and well tested. Pending operation as part of WGP2 project	-
Waitsia-04	316228	6754922	Drilled and well tested. Pending operation as part of WGP2 project	-
Waitsia-05	315739	6759231	Drilled and well tested. Pending operation as part of WGP2 project	-
Waitsia-06	313495	6760890	Drilled and well tested. Pending operation as part of WGP2 project	-
Waitsia-07	312680	6757575	Drilled and well tested. Pending operation as part of WGP2 project	-
Waitsia-08	315054	6762560	Drilled and well tested. Pending operation as part of WGP2 project	-
Waitsia-09	315454	6760931	Drilled and well tested. Pending operation as part of WGP2 project	Under construction as part of WS2 project
Waitsia-10	311958	6761821	Plug and suspended	Pending decommissioning
Waitsia-11	314348	6755881	-Plugged and suspended	-
Waitsia-12	315745	6751611	Drilled and well tested for WS2B	-
Waitsia-13	318180	6756764	To be drilled	To be constructed
Waitsia-14	313430	6757948	To be drilled	To be constructed
Waitsia-15	315820	6755890	To be drilled	To be constructed
Waitsia-16	315353	6760046	Drilled and well tested for WS2B	-

⁴ Coordinates for Waitsia-03 to Waitsia-11, as well as Hovea-13 ST1 and Eremia-04 have been sourced from well completion reports. Waitsia-12 to Waitsia-19 coordinates have been sourced from the DEMIRS 'Application to drill'.

Infrastructure	Easting	Northing	Well Status	Well Pad Status
Waitsia-17	317037	6761946	Suspended pending well test	-
Waitsia-18	317078	6762004	To be drilled	To be constructed
Waitsia-19	315824	6755826	To be drilled	To be constructed
WA-1	313418	6756162	To be drilled	Constructed
Produced Water Injection Wells				
Hovea-13 ST-1	309921	6755185	Shut-in. Pending operation as part of WS2 project	Under construction as part of WS2 project
Eremia-04	307527	6756113	Shut-in. Pending operation as part of WS2 project	Under construction as part of WS2 project

2.4 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 Right of Way (ROW) alignment; joining (welding) of pipe sections; joint/weld testing (i.e. non-destructive testing (NDT)); flowline coating; grit blasting; and placement of pipe into the excavated trench;
- Hydrotesting; completion of hydrostatic testing;
- Hub and wells construction and hub expansion; civil earthworks comprising cut and fill, levelling, sheeting and preparation of hardstands; installation of underground and above ground piping / services; and fencing;
- Cleaning and first fills for the pre-commissioning of flowline and hub systems; chemical cleaning and first fills of lines, piping, storage tanks and chemical injection systems etc.;
- 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; and
- Supporting Activities: services, waste management; hazardous materials and chemical management; groundwater extraction and temporary construction site amenities.

3 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. The closest Bureau of Meteorology (BoM) station to the Waitsia Stage 2 Operational Area is Geraldton (Airport), located approximately 68 km away and Mullewa (95 km away). Average annual precipitation levels in the Mid-West are 447 mm, with the majority occurring between May and September (with the wetter months being June and July). Monthly average rainfall ranges from approximately 4 mm in December to 110 mm in June.
Soil	Soils within the Perth Basin are light and sandy and well drained. The Waitsia Stage 2 Operational Area falls within the area known as the Spearwood regolith-landform land system (Blacktop, 2017). The Spearwood Dune System consists of slightly calcareous sands deposited by wind action. The associated dunes accumulated as shoreline deposits and coastal dunes during interglacial periods (about 11,700 years ago) of high sea-level.
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 Sulfate Soils	Acid sulfate soils are not known to occur.
Conservation Areas	<p>Waitsia Stage 2 Operational Area is not located within any conservation significant areas. The Project is adjacent to several conservation-significant areas (~370 m at the closest point), however these will not be impacted by the Project activities (Figure 3-1):</p> <ul style="list-style-type: none"> • Ejarno Spring (~ 370 m east of Waitsia-11); • Yardanogo Nature Reserve (DBCA Reserve)(adjacent to W-03 and W-12 well sites); • Northern Sandheaths (Red Book reserves)(~ 5 km south-west); • Environmentally Sensitive Area (Un-named)(~ 18.5 km south); and • Black Cockatoo Roosting Sites (DBCA-064)(~3.3 km east of the WGP and adjacent to W-13 well site)
Environmentally Sensitive Areas	No Environmentally Sensitive Areas within proximity of the activities (Figure 3-1).
Vegetation Communities and Flora	<p>The vegetation within the General Vegetation areas have been largely historically cleared (Maia, 2015). Vegetation communities within this area consist of Illyarrie_433, Eridoon_433 and Eridoon_378.</p> <p>The vegetation around the Waitsia-03 and Waitsia-12 well pad is the largest intact portion of native vegetation. A Targeted Survey and a Detailed Survey were conducted November 2017 and November 2019 to assess the flora and vegetation of this area. The surveys verified that although four vegetation</p>

Environment	Summary
	<p>communities were present, these broadly matched to the two vegetation types Eridoon_378 and Eridoon_392. The targeted survey (Woodman, 2020) and reconnaissance survey (JBS&G, 2023) within the general vegetation area concluded that three priority taxa are present within the Waitsia Stage 2 Operational Area, including:</p> <ul style="list-style-type: none"> • <i>Baeckea</i> sp. Walkaway (A.S. George 11249); • <i>Banksia elegans</i>; and • <i>Stawellia dimorphantha</i>.
Weeds	<p>A baseline weed survey of the Waitsia Stage 2 Operational Area was completed in October 2021 (Biota, 2022). MEPAU will conduct a pre-clearing baseline survey of the additional Waitsia Stage 2B Operational Area, to identify the extent of weeds in the Operational Area prior to ground disturbing activities. Given the Waitsia Stage 2 Operational Area is located within historical agricultural land with a large portion of the development within highly disturbed lands, this section has focused on the presence of Weeds of National Significance (WoNS) and Declared Pests. The survey recorded one WoNS and two Declared Pests within the Waitsia Stage 2 Operational area (Biota, 2022).</p>
Dieback	<p>The Waitsia Stage 2 Operational Area occurs at the northern limit of the area within WA where significant plant disease caused by <i>Phytophthora cinnamomi</i> is known to occur.</p> <p>The vegetation within the Perth Basin Region has generally been regarded as having susceptible species particularly <i>Banksia</i> spp. and <i>Xanthorrhoea</i> spp. In gathering information for the EPA Referral (2019/2226) and for the Project, dieback assessments were undertaken by subject matter experts (Glevan, 2018; Glevan, 2021; Glevan, 2022a) observing prior to and post drilling areas of the Waitsia-03 well site. These recent studies showed no evidence to suggest that dieback occurs within the area.</p>
Fauna	<p>The NatureMap (DBCA 2023) and the Protected Matters Search Tool (DEECCW 2023) identified a number of native species (protected under the EPBC Act and BC Act) that are likely to occur or have habitat likely to occur within the region. A summary of the conservation significant species that were identified as having the potential to be present within the area.</p> <p>With the exception of Carnaby's Black Cockatoo (<i>Zanda latirostris</i>), all other EPBC Act and BC Act listed species were deemed unlikely to be present due to the lack of suitable habitat and historical records of presence in the area. Four (4) potential Carnaby's Black Cockatoo nesting trees were identified within the Waitsia Stage 2 Operational Area (Woodman 2018) however, these were retained and not impacted by the activities.</p> <p>MEPAU has designed the operational area to exclude areas with significant environmental values, namely among others all Black Cockatoo potential nesting, roosting and foraging habitats; alongside the listed black cockatoo roosting site (DBCA-64) within permit area L1 located approximately 3.3 km east of the WGP and adjacent to the proposed Waitsia-13 well site.</p>

Environment	Summary
Native Title	The Operational Area occurs within Production Licence L1, (in combination with L2) has a registered native claim over the entire Licence area. A native title claim under the NT Act was registered over the entire L1 and L2 Production Licence areas in August 2017. The Native Title claim was resolved by a negotiated alternative settlement between the state of WA and the native title claimants (Tribunal file (WC2017/002) and came into effect on 26 October 2020.
Aboriginal Heritage	In 2021, early 2022 and late 2023, MEPAU conducted heritage surveys across the Waitsia Stage 2 Operational Area following completion of Heritage Notices to YSRC, and with Traditional Owners present during the surveys. No previously unrecorded archaeological or ethnographic heritage sites were recorded during the survey within the Waitsia Stage 2 Operational Area (TRC, 2021; SandS CRM, 2021; SandS CRM, 2022; Puletama, 2023).
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.

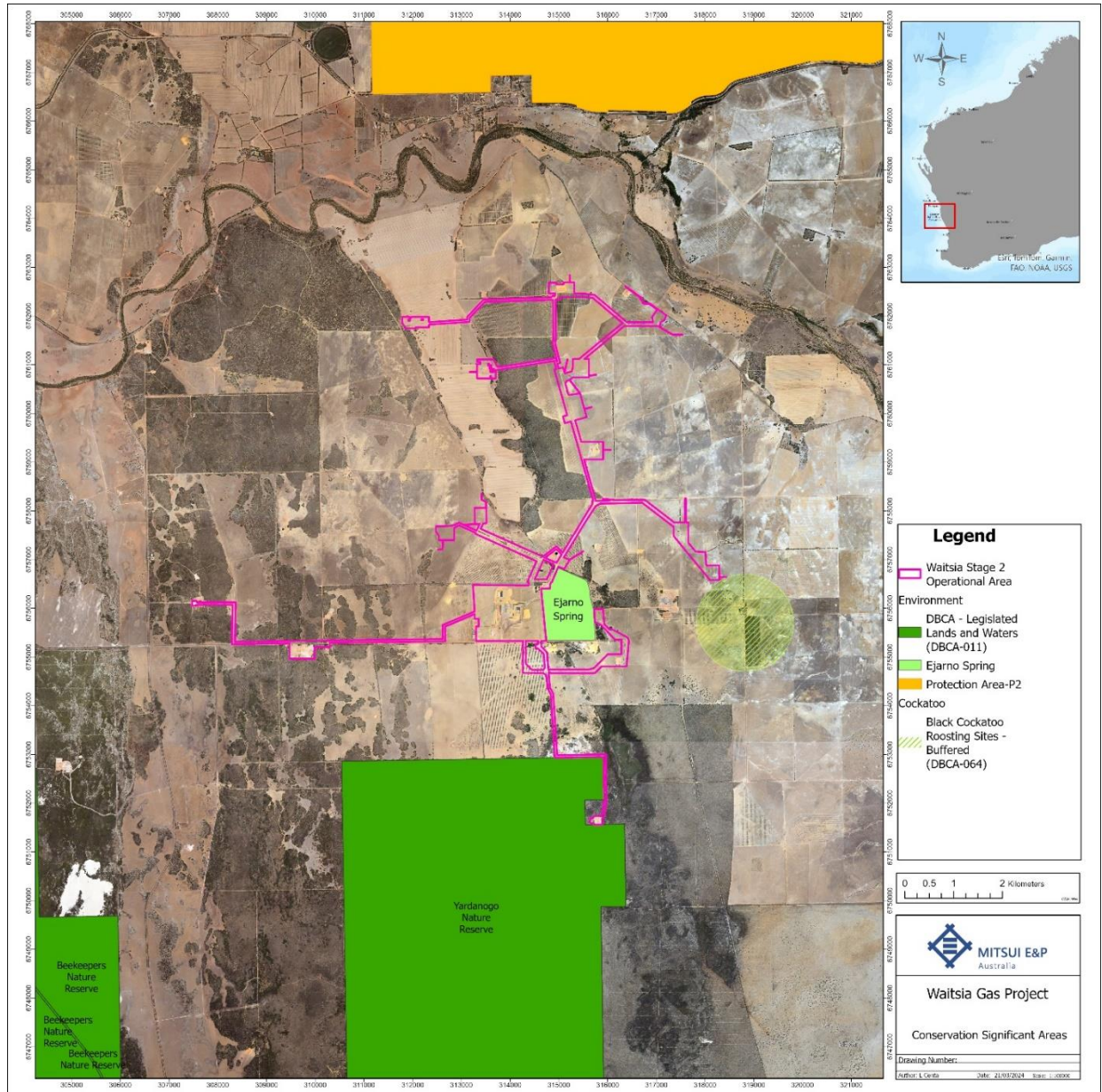


Figure 3-1 Conservation Significant Areas

4 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"> Introduction/ spread of non-indigenous species (weeds, dieback pathogens etc.); 	<ul style="list-style-type: none"> Designated roads, access tracks, ROW and hardstand areas; Weed and Vegetation Management Plan;

Aspect	Hazard	Management and Mitigation Measures
	<ul style="list-style-type: none"> • Damage to heritage sites / artefacts; • Unintentional clearing of native vegetation; and • Inadequate site reinstatement. 	<ul style="list-style-type: none"> • Weed and Dieback Hygiene Work Instruction; • Clearing Vegetation Procedure includes demarcation of the Operational Area prior to clearing, and includes pre-clearing site survey; • 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; • Biennial (two-yearly) 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; • Unanticipated Heritage Discovery Procedure [BOS-OPS-PRO-00022]; • Consultation with Southern Yamatji; • Recommendations by the Southern Yamatji; • Heritage survey of the Operational Area (as defined in Rev 5 of the EP) undertaken by YSRC; • Heritage monitors; • Heritage artefact identification procedure; • Land Access Agreement; • Monitoring of areas to be reinstated; and • Active rehabilitation strategies where rehabilitation is not as expected.

Aspect	Hazard	Management and Mitigation Measures
Physical Interaction with Fauna	<ul style="list-style-type: none"> Death or injury to fauna. 	<ul style="list-style-type: none"> Fauna Management Plan; Relocation of fauna by authorised personnel; Buried flowlines; Trench Inspections; Speed Limits; Fauna egress / shelter; and Pipes capped.
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; and 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; and Complaints Management System.
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; Emergency Response Plan; Flammable and combustible materials located away from ignition sources; and 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; and Complaints Management System.
Noise 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; and Construction noise associated with this activity will be under Environmental Protection (Noise) Regulations 1997, with activities to be undertaken during daytime hours.
Planned Discharge – Hydrotest fluid	<ul style="list-style-type: none"> Contamination of soil / groundwater. 	<ul style="list-style-type: none"> Hydrostatic Test Procedure; Planned discharges are monitored and reported

Aspect	Hazard	Management and Mitigation Measures
		<ul style="list-style-type: none"> • Chemical assessment process; • Discharge analysis; • Designated discharge locations; • Erosion inspection; and • Planned discharges are monitored and reported.
Accidental Release - Waste	<ul style="list-style-type: none"> • Environmental pollution and fauna injury or death (from ingestion) 	<ul style="list-style-type: none"> • Waste Management Plan; • 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; and • Environmental Protection (Abrasive Blasting) Regulations 1998.
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"> • Mechanical completion of systems; • AS1940 Bulk Hazardous and Hydrocarbon storage container requirements; • Dangerous goods storage requirements; • Bulk Transfer Procedure; • Transport of Dangerous Goods • On-site vehicle / equipment refuelling /servicing procedure; • Evaporation pond design; • Spill kits; • Oil Spill Contingency Plan • Emergency Response Plan; and • Surveillance Sampling Program.
Accidental Release – Hydrocarbons During Well Tie-in	<ul style="list-style-type: none"> • Contamination of soil / groundwater; and • Reduction of ambient air quality, leading to a disturbance to sensitive fauna or impacts to local landowners. 	<ul style="list-style-type: none"> • Exclusion barriers; • Permit to work; • Oil Spill Contingency Plan • Emergency Response Plan; and • Surveillance Sampling Program.

5 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 Standard (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 CONSULTATION

MEPAU is committed to stakeholder engagement and its commitment is documented in the MEPAU Stakeholder Engagement Procedure [BOS-EXT-PRO-00004] which includes:

- Planning – stakeholder identification, analysis and mapping prior to the start of any company activity;

- Preparing – mobilising resources, building capacity and identifying and preparing for stakeholder risks;
- Implementation – undertaking engagements, ensuring stakeholders are invited to participate with reasonable time to respond, and that communications are appropriate for each stakeholder; and
- Monitoring and evaluating stakeholder engagement – reviewing and reporting on engagement to improve future engagements and business performance.

MEPAU maintains a database of stakeholder engagement activities and communications and is committed to ongoing consultation and open dialogue with key stakeholders for the duration of the project. In addition to direct engagement, MEPAU's website (<https://www.mepau.com.au/>) that includes project specific pages, company news, 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 Greater Geraldton);
- Government Agencies;
- Southern Yamatji People (Traditional Owners) through the Yamatji Southern Regional Corporation (YSRC); and
- Joint Venture Partner – Beach Energy).

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,
- Neighbouring operators;
- 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 has been engaging with stakeholders on Waitsia Stage 2 since its inception and will continue to consult with relevant stakeholders throughout the course of the EP and the life of the project.

MEPAU will specifically engage and consult with relevant stakeholders reflecting key project milestones and on a frequency at their request. For example, monthly meetings have been held with the Shire of Irwin and YSRC following construction commencing on the Waitsia Stage 2 Project.

Specific engagement with relevant stakeholders regarding activities within the EP has occurred via the circulation of a stakeholder Information Sheet detailing the Waitsia Stage 2 and Waitsia Stage 2B activities.

Table 6-1 provides a summary of the most recent consultation undertaken specific to activities covered under the EP.

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)
All WGP2 Stakeholders	07 September 2023	Waitsia Gas Project Stage 2B Information Sheet sent to all WGP stakeholders detailing the future development, proposed timeframes and key activities.	No objections or concerns were raised	None required	N/A
	04 December 2023	WGP2 End of Year Summary - Community Update from MEPAU CEO	No objections or concerns were raised.	None Required	N/A
From November 2017 - present	Website updates	Subscribers (~100)	Updates included: <ul style="list-style-type: none"> • Well drilling, completions and test updates; • Waitsia Stage 2 updates; Community engagement and support updates.	Key stakeholders kept up to date about Waitsia Stage 2 activities and provided opportunities to provide feedback.	N/A
Landowners, other nearby land users	14 December 2022	The CEOs of MEPAU and Beach Energy published an Open Letter to the Mid West Community in relation to Clough and the Waitsia Gas Project Stage 2 near Dongara.	No objections or concerns were raised.	None Required	N/A

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Stakeholder	Date	Summary of Consultation	Objections / claims raised	MEPAU response	Close out of Issues (if any)
and all relevant stakeholders.	17 March 2023	The CEOs of MEPAU and Beach Energy published an information sheet to the Mid West Community providing an update on Clough and the Waitsia Gas Project Stage 2 near Dongara.	No objections or concerns were raised.	None Required	N/A
Landowners – neighbouring and nearby farms	Landowner 4				
	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. 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.	MEPAU has continued to engage with neighbouring properties and Irwin Park Farm Leasee.	N/A
	2 March 2021	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.	Positive engagement with input into wet weather infringements to expect if conducting works in the winter months.	Kupsch Farming (Irwin Park Farm Leasee) has been consulted with regard to the revised well site locations (Waitsia-10). Disturbance footprint is reduced to that necessary for pipeline install, MEPAU to ensure appropriately reinstated.	
	5 March 2021	AS2885 Land user Survey undertaken.	Raised need to minimise ground disturbance in areas prone to wind erosion.		
	8 December 2021				

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Stakeholder	Date	Summary of Consultation	Objections / claims raised	MEPAU response	Close out of Issues (if any)
	12 July 2022	Information Sheet emailed to Tara Farming Co Pty Ltd (Irwin Park Farm), with specific details of the activities planned for Commissioning and Start-Up works, and subsequent Operation of the WGP and associated infrastructure as part of Waitsia Stage 2.	No objections or concerns received.	N/A	N/A
	29 – 30 November 2023	Heritage survey undertaken with prior land access notification	No objections or concerns received to date.	N/A	Final report issued January 2024
	Landowner 1				
	5 March 2021 7 December 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. AS2885 Land user Survey undertaken.	Request made to bury flowlines at least 1m deep, below typical ripping depth of 800mm. Rehabilitation of sand disturbed is important.	MEPAU has factored farming activities into the flowline design depth, and will reinstate flowline disturbance corridors.	N/A
	12 July 2022	Information Sheet emailed to Revive Nominees Pty Ltd, with specific details of the activities planned for Commissioning and Start-Up works, and subsequent Operation of the WGP and associated infrastructure as part of Waitsia Stage 2	No objections or concerns were raised.	N/A	N/A
	29 July 2022	In person complaint from Landowner.	Works commenced for the Waitsia-	MEPAU ceased works in this area and addressed the	03/08/2022

Stakeholder	Date	Summary of Consultation	Objections / claims raised	MEPAU response	Close out of Issues (if any)
			04 flowline were allegedly unauthorised due to insufficient notification being provided to landowner for works.	landowner's concerns.	
	03 August 2022	Provided notification to landholder regarding survey and installation of the Waitsia 03 flowline.	No objections or concerns were raised, however some clarifications were raised around the scope.	MEPAU responded to these queries via email on 17/08/2022.	N/A
	7 August 2022	Discussion about survey works to show where the Produced Water Injection line needs to be located in the paddock.	Landowner was receptive of the works.	N/A	N/A
	2 September 2022	Baseline Report of pre-disturbance soil, groundwater and vegetation assessment was provided.	No objections or concerns received to date.	N/A	N/A
	26 April 2023	In person meeting where MEPAU discussed progress of the construction of flowlines on the landowner's property, including the various technical	The landowner raised concerns	MEPAU confirmed the work was being prioritised in the	26/04/2023

Stakeholder	Date	Summary of Consultation	Objections / claims raised	MEPAU response	Close out of Issues (if any)
		and schedule challenges that MEPAU have experienced in construction of the flowlines.	around wanting to use certain areas of their land for agricultural purposes from 15 June 2023, as scheduled.	areas of concern and would be completed by 15 June 2023. The landowner accepted MEPAU's commitment.	
	11 May 2023	Phone conversations between MEPAU and the landowner confirming that as per previous discussions, burial of the flowlines on the landowner's property had proceeded. The landowner also requested that stockpiled vegetation on his property be left and not respread.	The landowner again raised concerns around the lack of progress.	MEPAU again confirmed that all construction and reinstatement activities in this area would be completed by 16 May 2023. The landowner accepted MEPAU's commitment.	11/05/2023
	12 May 2023	In person conversation with the landowner who advised, that upon his inspection, that the soil reinstatement was sufficient, also advising that no further work was required with regards to soil movement.	No objections or concerns were raised.	MEPAU advised that marker posts and Cathodic Protection test points were still required to be installed. The landowner confirmed and	12/05/2023

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Stakeholder	Date	Summary of Consultation	Objections / claims raised	MEPAU response	Close out of Issues (if any)
				agreed that 4WD vehicles could drive over the seeded areas, but to keep disturbance to a minimum. Placement of marker posts was then discussed with the landowner.	
	17 May 2023	In person meeting to discuss progress and planned schedule on burial of flowlines on the property, confirming that all priority areas were completed by the scheduled date and discuss the next priority area.	No objections or concerns were raised.	None Required	N/A
	14 June 2023	Phone call and follow up email to the landowner to provide an update on the progress of flowline including Produced Water Injection line works.	No objections or concerns were raised.	None Required	N/A
	17 June 2023	Phone conversation with the landowner regarding ongoing protection of CP test posts from livestock.	No objections or concerns were raised.	None Required	N/A
	17 & 23 June 2023	Phone conversation with the landowner regarding the installation of a temporary gate and fencing along his property.	Landowner was concerned there would not be enough strain on the short length of fencing	MEPAU assured the landowner that the gates would be strengthened.	N/A

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Stakeholder	Date	Summary of Consultation	Objections / claims raised	MEPAU response	Close out of Issues (if any)
			between the strainer gate posts.		
	06 July 2023	MEPAU sent an email to the landowner with a field level update on the Produced Water Line works on the property.	In person and phone call conversations followed on 09 and 10 July 2023, however no objections were raised.	None Required	N/A
	15 July 2023	In person meeting with the landowner were marker post locations along the Produced Water Line.	No objections or concerns were raised.	None Required	N/A
	22 July 2023	In person meeting with the landowner and subcontractor to discuss the Produced Water Line road crossing, including proposed dates and traffic management.	No objections or concerns were raised.	None Required	N/A
	27 July 2023	Phone conversation and follow up email with the landowner to discuss the western road crossing for the Produced Water Line, including proposed dates and traffic management.	No objections or concerns were raised.	None Required	N/A
	06 October 2023	MEPAU emailed the landowner to notify them of progress on Waitsia Stage 2B and the planned heritage and environmental surveys.	Ongoing conversations between 09 – 11 October 2023.	None Required	09/10/2023

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Stakeholder	Date	Summary of Consultation	Objections / claims raised	MEPAU response	Close out of Issues (if any)
	06 October 2023	Land Access Notification — Flora and Black Cockatoo Survey	No objections or concerns received to date.	N/A	N/A
	16 October 2023	Land Access Notification — Topographical Survey	No objections or concerns received to date.	N/A	N/A
	12 November 2023	MEPAU notified the landowner that the Waitsia-03 Hygiene station liner was being replaced on Monday 13 November 2023.	No objections or concerns were raised.	None Required	N/A
	14 November 2023	Land Access Notification — Aboriginal Heritage Survey	No objections or concerns received to date.	N/A	N/A
	Landowner 3				
	5 March 2021 1 July 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. 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.	No specific concerns or objections were raised from this engagement activity.	MEPAU has continued to engage with other neighbouring properties	N/A

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Stakeholder	Date	Summary of Consultation	Objections / claims raised	MEPAU response	Close out of Issues (if any)
	7 August 2022	Discussion about survey works to show where the Produced Water Injection line needs to be located in the paddock.	Landowner was receptive of the works.	N/A	N/A
	12 July 2022	Information Sheet emailed to Lake Preston Beef Pty Ltd, with specific details of the activities planned for Commissioning and Start-Up works, and subsequent Operation of the WGP and associated infrastructure as part of Waitsia Stage 2	No objections or concerns received to date.	N/A	N/A
	20 October 2022	Baseline Report of pre-disturbance soil, groundwater and vegetation assessment provided.	No objections or concerns received to date.	N/A	N/A
	10 August 2023	Provided landowner with details of the two road crossings of the Produced Water Line, and traffic management arrangements that will be in place for a few weeks.	No objections or concerns were raised.	None Required.	N/A
	16 October 2023	Land Access Notification — Topographical Survey	No objections or concerns received to date.	N/A	N/A
	26 October 2023	In person complaint from Landowner.	Farm Manager entered Construction work area discuss requirement for gates to remain closed.	MEPAU reiterated to Contractors for gates to remain as found.	N/A

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)
	04 November 2023	In person complaint from Landowner. Farm Manager entered construction work area at Eremia-04.	Discussed requirement for gates to remain closed when accessing for construction works.	MEPAU reiterated to Contractors for gates to remain as found.	N/A
	14 November 2023	Land Access Notification — Aboriginal Heritage Survey	No objections or concerns received to date.	N/A	N/A
	Landowner 2				
	5 March 2021 27 April 2022 5 June 2022	Information Sheet emailed to Avoca Farm, with specific details of construction of the flowlines and hubs associated with the gas gathering system. AS2885 Land user Survey request. Meeting to discuss marking out flowline corridor route.	No Survey response received. No specific concerns or objections were raised from flowing marking activity.	MEPAU has continued to engage with other neighbouring properties	N/A
	26 May 2023	Phone call to MEPAU. Landowner concern raised regarding Waitsia-03 flowline installation adjacent to property boundary.	Met with landowner on site and reviewed	Surveyors mapped area of clearance and road easement. MEPAU	N/A

Stakeholder	Date	Summary of Consultation	Objections / claims raised	MEPAU response	Close out of Issues (if any)
			flowline alignment in relation to fence lines, easements and property boundaries.	met with landowner on site 7 September to discuss mapping results.	
	15 June 2023	Phone call to MEPAU. Landowner complained about MEPAU communications and increased traffic from a road closure diversion.	The road closure had been communicated, however not the increased traffic which the landowner experienced. Wet weather had resulted in evidence of increased road use.	MEPAU advised that the road closure was temporary for burying of flowlines across a road crossing and no further traffic would need to be diverted. Road repairs were undertaken to the satisfaction of the landowner.	N/A
	29 – 30 November 2023	Heritage survey undertaken with prior land access notification	No objections or concerns received to date.	N/A	Final report issued January 2024
	11 November 2024	Discussed sequence for drilling with landholder including potential timing of drilling on their property.	No objections or concerns were raised.	N/A	N/A

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Stakeholder	Date	Summary of Consultation	Objections / claims raised	MEPAU response	Close out of Issues (if any)
	Landowner 6				
	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
	12 July 2022	Information Sheet emailed to Mondarra Farming Co., with specific details of the activities planned for Commissioning and Start-Up works, and subsequent Operation of the WGP and associated infrastructure as part of Waitsia Stage 2.	No objections or concerns received to date.	N/A	N/A
	06 October 2023	Land Access Notification — Flora and Black Cockatoo Survey	No objections or concerns received to date.	N/A	N/A
	16 October 2023	Land Access Notification — Topographical Survey	No objections or concerns received to date.	N/A	N/A
	14 November 2023	Land Access Notification — Aboriginal Heritage Survey	No objections or concerns received to date.	N/A	N/A

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 7 December 2021	Information Sheet emailed to Mondarra Farming Co. with specific details of construction of the flowlines and hubs associated with the gas gathering system. AS2885 Land user Survey undertaken.	Request to bury flowlines below 1m depth. Rehabilitation of sand is also important.	MEPAU has factored farming activities into the flowline design depth, and will reinstate flowline disturbance corridors	N/A
Landowners – neighbouring and nearby industry	5 March 2021 7 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. MEPAU acknowledged the email and would follow up in detail from project personnel. 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	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)
	8 March 2021	infrastructure in the area around the proposed WGP2 have been considered, and in particular those belonging to/managed by APA.			
	29 March 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.			
	29 March 2021	Information Sheet emailed to APT Parmelia Pty Ltd (APA) – Mondarra Gas Storage Facility, with specific details of the activities planned for Commissioning and Start-Up works, and subsequent Operation of the WGP and associated infrastructure as part of Waitsia Stage 2.			
	1 July 2021	Joint session with MEPAU and APA to discuss the overall Waitsia Stage 2B project and status, potential crossing location with PL1 and PL39, APA's preferences and involvement in the review process, and key people and communication protocols.			
	15 February 2024				

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Stakeholder	Date	Summary of Consultation	Objections / claims raised	MEPAU response	Close out of Issues (if any)
	5 March 2021	Information Sheet emailed to Lenanes Holdings (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 Holdings 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.			
	12 July 2022	Information Sheet emailed to Pye Rd Waste Facility (Lenane Holdings), with specific details of the activities planned for Commissioning and Start-Up works, and subsequent Operation of the WGP and associated infrastructure as part of Waitsia Stage 2.			
	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 these engagement activities.	MEPAU has continued to engage with Patience Bulk Haulage and other adjacent industry.	N/A
	28 April 2022	AS2885 Land user Survey undertaken. Information Sheet emailed to Patience Bulk Haulage (Pye Rd Sand Quarry), with specific details of the activities planned for Commissioning and Start-Up works, and subsequent Operation of the WGP and associated infrastructure as part of Waitsia Stage 2.			
	12 July 2022				
	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	MEPAU has continued to engaging with Asco	N/A

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Stakeholder	Date	Summary of Consultation	Objections / claims raised	MEPAU response	Close out of Issues (if any)
	27 April 2022 12 July 2022	AS2885 Land user Survey request. Information Sheet emailed to Asco Dongara (Pye Rd Storage Yard and Camp), with specific details of the activities planned for Commissioning and Start-Up works, and subsequent Operation of the WGP and associated infrastructure as part of Waitsia Stage 2.	were raised from this engagement activity. No Survey response received	and other adjacent industry.	
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

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)
	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
	4 October 2021	EPA Chair approved the Section 45c development envelope change	Action closed	None required	N/A
	23 August 2022	MEPAU sought an update on the assessment status of the updated revisions to the FVMP (Rev 2A), submitted to DWER in May 2022. MEPAU was advised to enquire via a generic DWER email address with no response received.	No objections or concerns were raised.	None required.	N/A
	27 October 2022	MEPAU made contact with DWER regarding the proposed changes incorporated in Rev 2A of the FVMP submitted to DWER in May 2022.	No objections or concerns were raised.	None required.	N/A
	22 November 2022	MEPAU sought advice from DWER on the assessment status of Rev 2A of the FVMP. MEPAU noted that DWER had verbally advised that DWER were comfortable with the proposed changes and that, given it didn't require DBCA review, approval should be imminent. No response was received.	No objections or concerns were raised.	None required.	N/A
	08 December 2022	MEPAU sought advice from DWER on the assessment status of Rev 2A of the FVMP. No response was received.	No objections or concerns were raised.	None required.	N/A

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)
	21 December 2022	Response received from the EPA following information provided regarding query on Ministerial Statement.	EPA confirmed compliance with MS1164.	Compliance evidence to be maintained.	N/A
	11 January 2023	MEPAU sought advice from DWER on the assessment status of Rev 2A of the FVMP. No response was received.	No objections or concerns were raised.	None required.	N/A
	01 February 2023	MEPAU sought advice from the EPA relating to proposed changes to Ministerial Statement 1164.	DWER proposed that pre-referral meeting be held on 16 February 2023.	None required.	N/A
	13 February 2023	MEPAU received comments from DWER on Rev 2A of the WGP2: Flora and Vegetation Management Plan	No objections or concerns were raised.	None required.	N/A
	16 February 2023	Pre-referral meeting held with EPA Services to introduce the scope of the WS2 proposed amendments, describe the proposed management measures to minimise potential impacts and to discuss the assessment process.	EPA raised concern around size of development envelope.	Further pre-referral meetings were held with on 7 September, 3 October, 11 October and 19 October 2023 to discuss refinements to the s.45C application.	N/A

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)
	07 March 2023	Meeting held between MEPAU and DWER to discuss the comments received on Rev 2A of the WGP2: Flora and Vegetation Management Plan.	No objections or concerns were raised.	None required.	N/A
	24 March 2023	MEPAU submitted Rev 3 of the WGP2: Flora and Vegetation Management Plan to DWER which addressed comments received by DWER on 13 February 2023.	No objections or concerns were raised.	None required.	N/A
	01 May 2023	MEPAU submitted the MS 1164 Annual Compliance Assessment Report 2022-23 to DWER Compliance, reporting on the compliance status of each of the conditions of Ministerial Statement 1164.	On 03 May 2023, DWER requested copies of further documentation in support of the Annual Compliance Assessment Report. DWER advised that MS1164 has been selected as part of the 2022-2023 audit program and a formal request for any further information	MEPAU provided the requested information on 22 May 2022, . Correspondence was received Dec 2023. immediate	22/05/2023.

Stakeholder	Date	Summary of Consultation	Objections / claims raised	MEPAU response	Close out of Issues (if any)
			will be sent to MEPAU.		
	01 May 2023	MEPAU sought advice from DWER on the assessment status of Rev 3 of the FVMP. No response was received.	No objections or concerns were raised.	None required.	N/A
	20 June 2023	DWER notified MEPAU of the approval of Rev 3 of the WGP2: Flora and Vegetation Management Plan in line with MS1164.	No objections or concerns were raised.	None required.	N/A
	07 September 2023	s45c pre-submission consultation meeting with DWER. Topics covered: - Overview of Stage 2B - Initial development of Section 45C and development envelope - Reasoning for how current Section 45C has been developed - Proposed timeline, concerns, way forward	No objections or concerns were raised	The development envelope to be rationalised.	N/A
	03 October 2023	s45c pre-submission consultation meeting with DWER. Topics covered: - Revised DE - Directional drilling EPA factors	No objections or concerns were raised	N/A	N/A
	11 October 2023	S45c pre-submission consultation meeting with DWER . Topics covered: - Directionally drilled deviated wells - Cultural heritage with regards to the s45c Revised DE	No objections or concerns were raised	N/A	N/A

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)
	19 October 2023	S45c pre-submission consultation meeting with DWER. Topics covered: - Feedback from DWER with regards to the size of the revised DE - Legal feedback from DWER regarding directional drilling and deviated wells	No objections or concerns were raised	N/A	N/A
	12 December 2023	DWER issued MEPAU with Notice of Compliance Audit of Statement 1164 - Waitsia Gas Project Stage 2.	DWER Requested further evidence to verify compliance against the Conditions of MS 1164.	MEPAU Requested extension on 13 December 2023 which was accepted by DWER. MEPAU submitted the requested audit evidence on 31 January 2024	31 January 2024
	24 January 2024	Follow up meeting to discuss s.45C application and progress.	EPA said they are reviewing the documentation and compiling a report to present to the EPA Chair.	Noise assessment and heritage findings to be sent to EPA Services.	N/A
	01 February 2024	Email update by MEPAU about the outcome of heritage survey.	A summary of the heritage survey results were provided to DWER	N/A	N/A

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)
	17 April 2024	Revised s.45C application for Stage 2B was approved.	N/A	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	None required	N/A

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)
			from this engagement activity.		
	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
	30 November 2021	Section 15A was approved by DEMIRS on 30 November. This provides Ministerial Consent pursuant to Section 15A under the PGER Act for entry on reserved lands affected by the WGP (for two areas of reserved lands, and six parcels of road reserve lands across the project area).	Action closed	N/A	N/A
	24 October 2023	Meeting with DPLH to introduce the proposed amendment to the WGP2 and to discuss the requirements for the heritage survey.	The feedback provided by DPLH was incorporated into the scoping and planning of the heritage survey for the proposed	None required.	N/A

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)
			additional area.		
	9 September 2023	MEPAU provided update on the activities for Waitsia Stage 2B project, the requirements for s15A consent, and timeframes to meet project schedule.	No specific concerns or objections raised.	None required	N/A
	11 December 2023	MEPAU – DEMIRS. DBCA and DPLH s15a application. Alignment and coordination among several regulatory bodies in relation to s15a application review process.	No specific concerns or objections raised.	None required.	N/A
	11 January 2024	Discussion via email on feedback regarding s15A consent and timeframe to approval	No specific concerns or objections raised.	None required	N/A
DBCA	19 March 2021	Engaged with the DBCA advising formal approach to be undertaken via PGER Act S15a to gain 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.	No specific concerns or objections were raised from this engagement activity.	None required	N/A
	24 August 2023	Meeting held to discuss activities and s.15A drilling of deviated wells under Yordanogo Nature Reserve and Irwin River.	No issues raised	N/A	N/A
	11 December 2023	MEPAU – DEMIRS. DBCA and DPLH s15a application. Alignment and coordination among several regulatory bodies in relation to s15a application review process	No specific concerns or	None required.	N/A

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)
			objections raised.		
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 Consulting 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	None required	N/A

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)
			engagement activity.		
	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 raised from this engagement activity.	None required	N/A
	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 injection line, and the North-Central Hubs with members of YSRC.	Survey report completed.	Ongoing engagement	Closed
	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 completed.	Ongoing engagement	Closed
	27 January 2022	Heritage Survey #3 completed within Wongulla Park for wellpads and flowlines (Waitsia-07) and injection line locations.	Heritage surveys now completed across the entire WGP2	Ongoing engagement	N/A

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)
			Operational Area.		
	Ongoing	Monthly meetings held between YSRC and MEPAU.	No objections or concerns to date	N/A	N/A
	23 February 2022	MEPAU engaged with YSRC to advise of future vegetation clearing scopes requiring the presence of heritage monitor, with a date to be advised.	No objections or concerns were raised.	Email.	N/A
	03 August 2022	MEPAU notified YSRC of upcoming vegetation clearing at Waitsia-03 and planning for heritage monitors to be present on site.	No objections or concerns were raised.	Email.	N/A
	30 August 2022, 05-10 September 2022	Heritage Monitors present on site for the Waitsia-03 Vegetation Clearing scope.	No objections or concerns were raised.	None required.	N/A
	18 November 2022	MEPAU submitted an Activity Notice Vegetation Clearing Xyris Perimeter to YSRC.	YSRC requested previous heritage survey spatial data on 30/11/2022.	MEPAU provided the spatial data via email on 01/12/2022.	01/12/2022
	16 December 2022	YSRC advised MEPAU that the proposed activity submitted on 18/11/2022 does not require a heritage survey, however the Southern Yamatji Cultural Committee requested the presence of Yamatji Heritage Monitors.	No objections or concerns were raised.	MEPAU advised YSRC of the proposed activity date on	N/A

Stakeholder	Date	Summary of Consultation	Objections / claims raised	MEPAU response	Close out of Issues (if any)
				04/01/2022 (outside of this AER reporting period).	
	29 March 2023	Information sheet sent in March and September 2023.	A response from YSRC was received on confirming receipt of the information sheet and requesting continued notification about future activities associated with the proposed amendments.	None required.	N/A
	06 June 2023	YSRC requested a meeting to discuss MEPAU's Yamatji Proponent Standard Heritage Agreement.	No objections or concerns were raised.	A meeting was held on 23 June 2023 to present to the new YSRC Management Team past activities and interactions with MEPAU, and outline future plans regarding Waitsia Stage 2B.	23 June 2023

Waitisia 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)
	4 October 2023	Meeting in relation to heritage survey extent and other requirements for the proposed amended development envelope.	YSRC advised that a heritage survey of the entire additional area should be undertaken.	MEPAU has worked with the YSRC to complete heritage survey of the additional area for the end of November 2023.	Heritage report received January 2024
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	None required	N/A

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)
			engagement activity.		
	5 March 2021	Information Sheet emailed to the Shire, with specific details on 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
	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
	27 April 2022	AS2885 Land user Survey undertaken.	Described road reserve maintenance plans and Project site access restrictions (Milo Road)	None required	N/A
	14 July 2022	Monthly meeting held between Shire of Irwin and MEPAU. Update of Waitsia Stage 2 Project progress.	Use of access roads to the Project site	Communications made to all MEPAU and Project	No further concerns

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)
				personnel regarding primary site access routes.	raised to date
	Ongoing - Monthly	Monthly meeting held between Shire of Irwin and MEPAU.	No objections or concerns were raised.	None required.	N/A
	5 October 2023	Proposed amendment of the WGP2 was presented to the Chief Executive Officer.	N/A	N/A	N/A
DEMIRS	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 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	None required	N/A

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)
			engagement activities.		
	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
	21 May 2021	Rev 0 of the Flowlines & Hubs EP submitted to DMIRS for assessment.	N/A	None required	N/A
	18 June 2021	DMIRS comments on Rev 0 of the Flowlines & Hubs EP.	No concerns were raised from the engagement activities.	None required	N/A

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)
	13 August 2021	Submission of Rev 1 of the Flowlines & Hubs EP to DMIRS and response to DMIRS comments on Rev 0.	N/A	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
	11 November 2021	DMIRS Notice of Approval of Rev 3 of the Flowlines and Hubs EP.	N/A	None required	N/A
	30 November 2021	The Section 15A was approved by DMIRS on 30 November. This provides Ministerial Consent pursuant to Section 15A under the PGER Act for entry on reserved lands affected by the WGP (for two areas of reserved lands, and six parcels of road reserve lands across the project area).	Action closed	N/A	N/A
	16 September 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
	21 March 2022 22 March 2022	Formal Written Notification for potential office and ablutions Further info request from DMIRS re the Written Notification document to update and resubmit	N/A	None required	N/A
	3 May 2022	Update from DMIRS re addition of ablution trailers and removing the fixed offices and ablutions. Re-submission of updated Written Notification.	N/A	None required	N/A

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)
	23 May 2022				
	26 May 2022	DMIRS email acknowledgement of the Written Notification. DMIRS notes that AWE identified these activities do not result in any new or increased environmental risks outside the scope of the approved EP.	Action closed	N/A	N/A
	17 June 2022	Quarterly Meeting with DMIRS Environmental Compliance Branch and MEPAU to discuss current Perth Basin Operations, Drilling & Completions, exploration activities and WGP2 Project status.	No concerns were raised from the engagement activities.	None required	N/A
	28 July 2022	MEPAU submitted Permit to Clear Annual Reports - CPS 6938/2 and CPS 6875/2	No objections or concerns were raised.	None required.	N/A/
	03 October 2022	MEPAU request to extend the reporting period for the WGP2: Flowline and Hubs Construction EP AER to align with the period of 11 November 2021 – 31 December 2022.	No objections or concerns were raised.	None required.	N/A/
	04 October 2022	MEPAU notified DEMIRS of planned WGP2: Flowline and Hubs Construction EP update to include: <ul style="list-style-type: none"> • First fill activities; and • Management of Change scopes. 	No objections or concerns were raised.	None required.	N/A/
	31 October 2022	Submission of Rev 4 of the Flowlines & Hubs Construction EP and Rev 2 of the OSCP to DEMIRS for Assessment.	DEMIRS raised a query regarding flowline depth of cover on 12/12/22.	Email response to clarify.	13/12/2022

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)
	15 December 2022	Notice of Decision of WGP2: Flowline and Hubs Construction EP (Rev 4) granted by DEMIRS.	No objections or concerns were raised.	None required.	N/A
	13 April 2023	MEPAU sought an extension on the submission of the Q1 2023 Emissions and Discharges Report due to the unforeseen circumstances following MEPAU's Contractor going into Voluntary Administration late 2022. MEPAU advised that Q1 2023 Emissions and Discharges Reports would be submitted to DEMIRS by COB 30 April 2023.	No objections or concerns were raised.	MEPAU submitted Q1 2023 Emissions and Discharges Reports to DEMIRS on 28/04/2023.	N/A
	24 July 2023	MEPAU submitted the following Annual Reports to DEMIRS: <ul style="list-style-type: none"> Waitsia Gas Project - Clearing Permit CPS 6875/2 Annual Report FY23 [MEPAU-LET-COR-00552]; and Xyris Production Facility – Clearing Permit CPS 6938/2 Annual Clearing Report FY23 [MEPAU-LET-COR-00553]. 	No objections or concerns were raised.	None required.	N/A
	21 August 2023	MEPAU – DEMIRS activity update, Project overview to assist DEMIRS to understand the Stage 2B project and requirements going forward	No objections or concerns were raised.	None required.	N/A
	09 November 2023	MEPAU – DEMIRS s15a application. Project overview to assist DEMIRS review on s15a application	No objections or concerns were raised.	None required.	N/A
	06 December 2023	MEPAU – DEMIRS activity update.	No objections or concerns were raised.	None required.	N/A
	11 December 2023	MEPAU – DEMIRS. DBCA and DPLH s15a application. Alignment and coordination among several regulatory bodies in relation to s15a application review process	No objections or concerns were raised.	None required.	N/A

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)
	2 February 2024	Email on project update and general feedback.	No objections or concerns were raised	None required	N/A
	15 April 2024	DEMIRS provided consent for the Waitsia Stage 2B s15a reserve crossings	No objections or concerns were raised.	None required	N/A
DWER	24 June 2022	Works Approval for Produced Water injection granted by DWER (W6647/2022/1)	Action closed	N/A	N/A
	18 October 2022	DWER CEO-initiated Amendment to the WGP Works Approval (W6515/2021/1) granted, with an expanded Prescribed Premises Boundary to comprise wellsites and gas gathering infrastructure.	Action closed	N/A	N/A

7 REFERENCES

- Biota Environmental. 2022a. Waitsia Weed Baseline Additional Survey and Field Assistance with MEPAU Weed Observations Program [WGP-HSE-REP-00019]. Biota Environmental Sciences.
- Biota Environmental. 2022b. Waitsia-03 Annual Flora Monitoring Report (Waitsia Quadrat Monitoring) - 2022 [WGP-HSE-REP-00038]. Biota Environmental Sciences.
- Blacktop. 2017. Geotechnical and soils assessment of the site. (Unpublished report to MEPAU).
- BOM. 2022. Groundwater Dependent Ecosystems Atlas. Data file. Australian Government Bureau of Meteorology.
- DMIRS. (2022). *Guideline for the Development of Petroleum and Geothermal Environment Plans in Western Australia*. Department of Mines, Industry Regulation and Safety. Government of Western Australia.
- Glevan. 2022a. Waitsia-03 January 2022 Dieback Assessment Letter Report (Assessment for Phytophthora Dieback in vegetation adjacent to Waitsia-03 access track and infrastructure) [WGP-HSE-REP-00025]. Glevan Consulting.
- Glevan. 2022b. Wongulla Park January 2022 Baseline Dieback Assessment Report [WGP-HSE-REP-00024]. Glevan Consulting.
- Glevan. 2023. Dieback Assessment Report - Waitsia-03 [WGP-HSE-REP-00042]. Glevan Consulting.
- JBS&G. 2023. Waitsia Phase 2B Reconnaissance Flora and Vegetation Survey and Black Cockatoo Habitat Assessment. Maia. 2015. AWE Perth Pty Ltd, Waitsia Gas Field: Flora and Vegetation Desktop Study, February 2015. Maia Environmental Consultancy
- Maia. 2016. Waitsia-04 Area Level 1 Flora and Vegetation Reconnaissance and Targeted Flora Survey. Maia Environmental Consultancy.
- Puletama, D. 2023. Waitsia Phase 2B Wells Tie-Back. Aboriginal Heritage Site Avoidance Survey for a select area within the Mitsui Waitsia Gas Project Stage 2 Area, Dongara Region, Western Australia. Sticks and Stones Cultural Resources Management Pty Ltd. Unpublished report prepared for MEPAU. December 2023.
- SandS CRM. 2021. Survey Report 2021 Mitsui Waitsia Gas Project Stage 2 Area YSRC Heritage Survey. Aboriginal Heritage Site Avoidance Survey for a select area within the Mitsui Waitsia Gas Project Stage 2 Area, Dongara Region, Western Australia. SandS CRM. Unpublished report prepared for MEPAU. July 2021.
- SandS CRM. 2022. Draft Survey Report 2022 Mitsui Waitsia Gas Project Waitsia 7 and Hovea Project Areas. Aboriginal Heritage Survey for select areas within the Mitsui Waitsia Gas

Project Stage 2 Area, Dongara Region, Western Australia. SandS CRM. Unpublished report to MEPAU.

TRC. 2021. Heritage desktop review of the proposed Waitsia Gas Project Stage 2 Area (WGP2), March 2021. (Unpublished report to AWE).

Woodman Environmental Pty Ltd. 2018a. Waitsia-03 – Flowline Corridor - Flora, Vegetation and Fauna Assessment.

Woodman Environmental Pty Ltd. 2020. Waitsia Gas Project – Flora and Vegetation Assessment.