

Annual Environmental Performance Report

EMP title	BEETALOO SUB-BASIN AMUNGEE NW-1H ENVIRONMENT MANAGEMENT PLAN EXPLORATION PERMIT (EP) 98
Unique EMP ID	ORI7-2
EMP approval date	14 May 2021
AEPR period	16 July 2023 – 15 July 2024
Petroleum title number/s	EP 98

The information to be included in this template may be used by the Minister for Environment, Climate Change and Water Security to assess whether an interest holder is meeting the environmental outcomes, environmental performance standards and obligations and commitments made in an approved Environment Management Plan (EMP).

This form must be completed in accordance with the instruction and guidance provided in the Onshore Petroleum Annual Environmental Performance Reporting Guideline available on the [Onshore Gas website](#).

Document title	Annual Environmental Performance Report
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Version Control (to be completed by interest holder)


Date	Rev	Reason for Amendment	Author	Checked	Approved
15/10/2024	0	Issued for approval	A Court	L Pugh	M Kernke

Declaration

A person with legal authority to sign on behalf of the interest holder, or all interest holders (if more than one), must sign the declaration.

I hereby declare that I:

- am authorised to make this declaration.
- confirm that, to the best of my knowledge all information provided addresses the relevant matters and is true, correct, complete, and does not contain misleading information.
- am aware that it is an offence under section 107 of the *Petroleum Act 1984* to give an authorised person information that I know, or ought to reasonably know, to be false or misleading in a material manner particular.
- understand that all information supplied as part of this form, including attachments, may be disclosed publicly in accordance with section 62A of the *Petroleum Act 1984*, and consistent with the requirements of the Information Privacy Principles (IPPs) in the *Information Act 2002*.

Signature	
Name of person signing on behalf of interest holder/s	Alana Court
Position	Senior Approvals Manager
Company	Tamboran B2 Pty Ltd ABN 42 105 431 525
Address	C/- Tower One, International Towers Suite 1, Level 39 100 Barangaroo Avenue Barangaroo NSW 2000

Acronyms / Terms	Definition
AEPR	Annual Environmental Performance Report
Code	Code of Practice: Onshore Petroleum Activities in the Northern Territory
DEPWS	Department of Environment, Parks and Water Security (NT)
DITT	Department of Industry, Tourism and Trade (NT)
EMP	Environment Management Plan
EP	Exploration Permit
Interest Holder	Means a person who holds a petroleum interest for a regulated activity.
Minister	Minister for Environment, Climate Change and Water Security
NT	Northern Territory
Operator	Means a person designated as operator under section 16(3)(g) of the <i>Petroleum Act 1984</i>
Regulations	Petroleum (Environment) Regulations 2016 (NT)

Contents

1. Introduction	1
1.1. Sources of information to inform performance	3
1.2. Performance indicators	3
1.3. Evidence used to assess performance	5
2. Demonstration of performance	6
3. Overall performance	22
3.1. Overview of performance	22
3.2. Overview of non-compliant items	22

Figures

Figure 1 Amungee Multi-Well EMP site locations	2
Figure 2 Exploration activities completed during the reporting period	3

Tables

Table 1: Performance descriptors	4
Table 2: Compliance with Ministerial approval conditions	6
Table 3: Compliance with environmental outcomes and environmental performance standards	9
Table 4: Compliance with mandatory monitoring and reporting requirements	16
Table 5: Performance summary	22
Table 6: Overview of non-compliance	22

1. Introduction

The Petroleum (Environment) Regulations 2016 (NT) (the Regulations) require an interest holder to provide a report to the Minister for Environment, Climate Change and Water Security (the Minister) on no less than an annual basis that outlines the environmental performance of the interest holder.¹ The report, termed the Annual Environmental Performance Report (AEPR), must include sufficient information to allow the Minister to assess whether the interest holder has met the environmental outcomes and environmental performance standards included in the approved Environment Management Plan (EMP) with reference to information required to be recorded, monitored or reported under the Regulations and any other law in force in the NT related to the conduct of the regulated activity.

Approved Environment Management Plan Details	
EMP title	Beetaloo Sub-Basin Amungee NW-1H Environment management Plan EP 98 (ORI7-2)
Unique EMP ID	ORI7-2
EMP approval date	15 July 2021
AEPR period	16 July 2023 - 15 July 2024
Petroleum title number/s	EP 98
Regulation 22 Notices (insert more rows if needed)	
Date Acknowledged	Scope
N/A	
Regulation 23 Notices (insert more rows if needed)	
Date Acknowledged	N/A
Location of Regulated Activity	
<input checked="" type="checkbox"/>	Figure attached showing location of regulated activity (Figure 1)
Regulated activities conducted during the reporting period (list regulated activities conducted, add or remove rows as required)	
1	NIL - noting Amungee NW 1H EPT commenced 28 July 2021 and finished 24 September 2021.
<input checked="" type="checkbox"/>	Gantt chart attached showing the period each regulated activity listed above was conducted (Figure 2)

¹ Petroleum (Environment) Regulations 2016 (NT) sch 1, item 11.

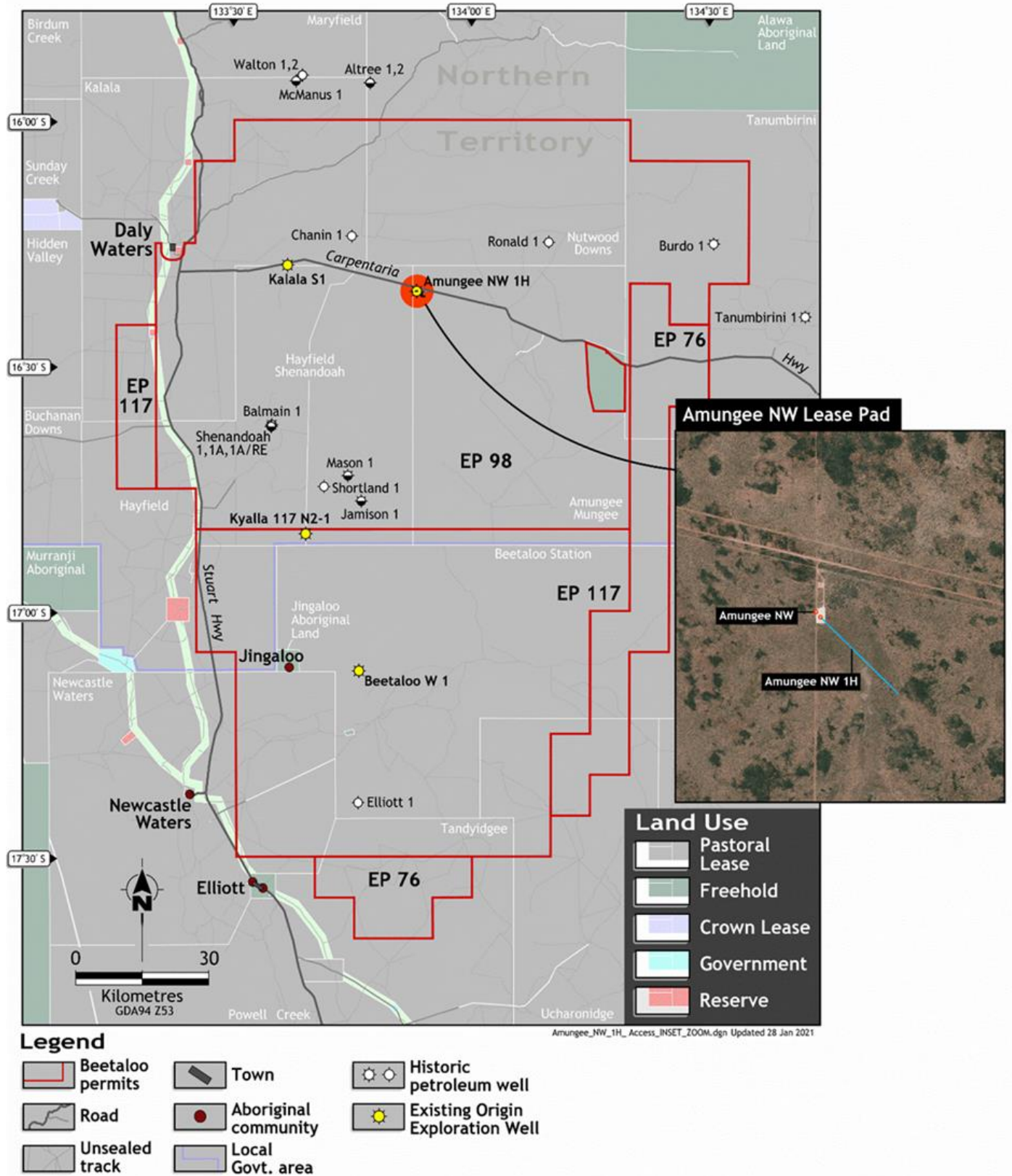


Figure 1 Amungee NW-1 EMP site locations

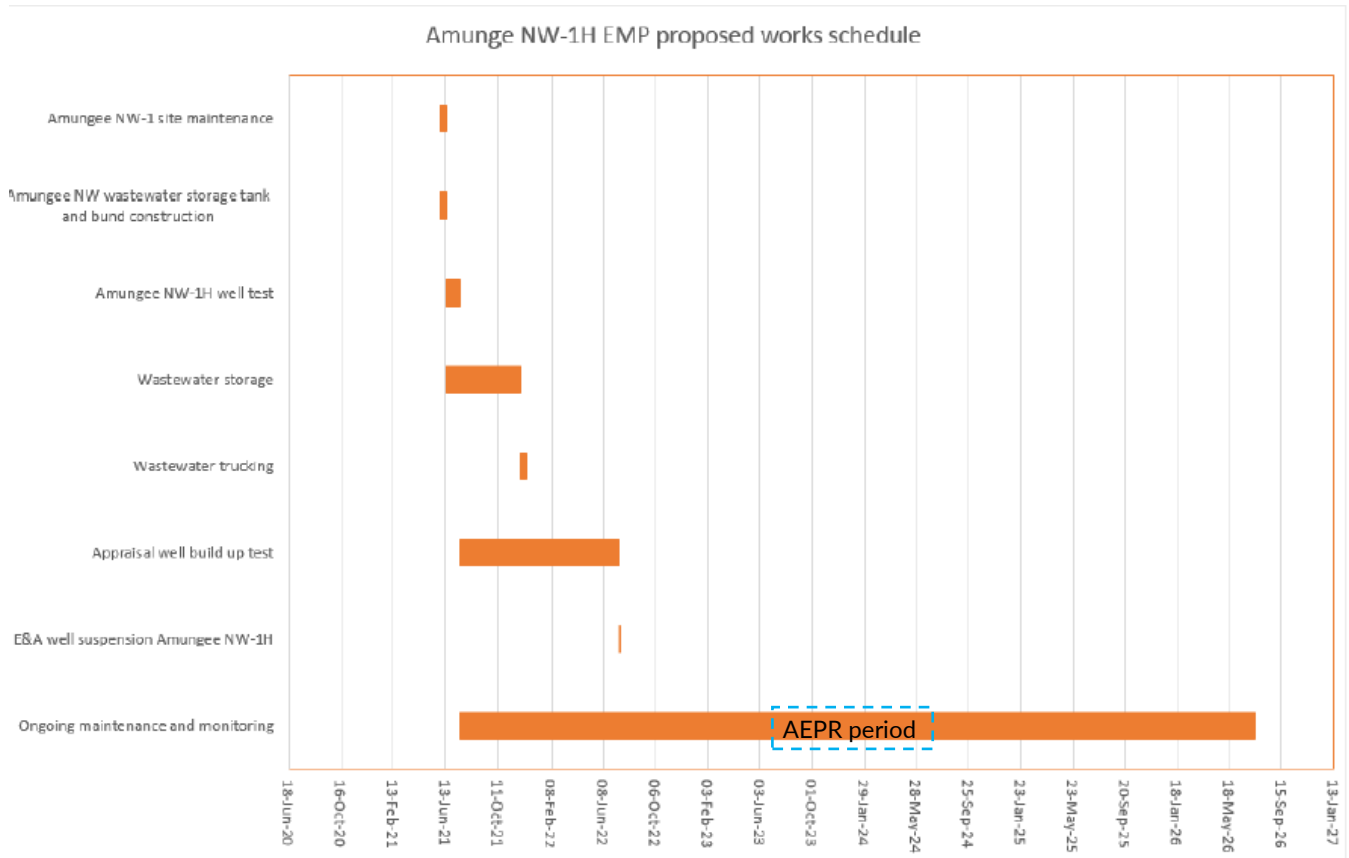


Figure 2 Exploration activities completed during the reporting period

1.1. Sources of information to inform performance

Information evaluated to inform compliance status (check applicable sources)	
<input checked="" type="checkbox"/>	Compliance with Ministerial approval conditions
<input checked="" type="checkbox"/>	Compliance with each environmental outcome and environmental performance standard within the approved EMP
<input checked="" type="checkbox"/>	Compliance with reporting requirements in accordance with the Code and Regulations
<input checked="" type="checkbox"/>	Recordable and reportable incidents within the reporting period, including root cause analysis and related corrective actions to prevent re-occurrence
<input checked="" type="checkbox"/>	Findings of regulatory inspections and audits within the reporting period and related actions to address any findings
<input type="checkbox"/>	Other

1.2. Performance indicators

Table 1 shows the performance status indicators used in this AEPR.

Table 1: Performance descriptors

Performance Status	Description
Compliant	Compliant with requirement for entire 12 month reporting period
Not Compliant	Interest holder did not comply with the requirement fully or at all during the reporting period
Not Applicable	Requirement not applicable during the reporting period

1.3. Evidence used to assess performance

Please indicate which sources of evidence have been used to demonstrate compliance.

Evidence used to inform compliance status (check applicable evidence)	
<input checked="" type="checkbox"/>	Interest holder self-assessments of compliance, through daily and weekly inspections, as committed to in the EMP
<input checked="" type="checkbox"/>	Interest holder self-assessments of compliance, through internal audits, as committed to in the EMP
<input checked="" type="checkbox"/>	Interest holder self-assessments of compliance, through external audits conducted by third parties
<input checked="" type="checkbox"/>	Outcomes of inspections and/or audits conducted by the regulator
<input checked="" type="checkbox"/>	Spill register entries
<input checked="" type="checkbox"/>	Monitoring or other reports provided to DEPWS, the Department of Industry, Tourism and Trade (DITT) and other government agencies as required by the EMP
<input checked="" type="checkbox"/>	Outcomes of monitoring programs
<input checked="" type="checkbox"/>	Measurement criteria identified in the approved EMP
Other	Recordable and reportable incident reports submitted to DEPWS Petroleum Operations.

2. Demonstration of performance

Table 2 demonstrates interest holder compliance with Ministerial EMP approval conditions.

Table 2: Compliance with Ministerial approval conditions

No	Ministerial Condition	Compliant	Evidence
1.	<p>Condition 1. The interest holder must submit to DEPWS:</p> <p>i. an updated timetable (including time-bound commitments) for the regulated activity prior to commencement of the activity and each month thereafter; and</p> <p>ii. weekly on-site reports indicating the status and progress of the Extended Production Test (EPT), freeboard available in wastewater tanks during operations, and monthly reports on progressive rehabilitation in progress/completed; and</p> <p>iii. written notification of any halt to the activity due to wet season conditions, within 24 hours of the halt; and</p> <p>iv. immediate written notification of any fires potentially threatening the activity from external or internal factors.</p>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<p>Monthly reports were provided to DEPWS on the following dates:</p> <ul style="list-style-type: none"> • 31 July 2023 • 24 August 2023 • 22 September 2023 • 30 October 2023 • 23 November 2023 • 22 December 2023 • 30 January 2024 • 28 February 2024 • 28 March 2024 • 29 April 2024 • 31 May 2024 • 20 June 2024 • 31 July 2024 <p>Quarterly reports were provided to DEPWS on the following dates:</p> <ul style="list-style-type: none"> • 28 June 2023 • 27 September 2023 • 22 December 2023 • 2 April 2024 • 1 July 2024 <p>Amungee NW-1H well site weekly fluids management reporting continues to be provided to DEPWS.</p>

No	Ministerial Condition	Compliant	Evidence
2.	<p>Condition 2. To support clause C.7.2 of the Code, all accidental releases of liquid contamination must be recorded immediately in a spill register. The register must include:</p> <ul style="list-style-type: none"> i. Location, source and volume of the spill; ii. Volume of impacted soil removed for appropriate disposal and the depth of any associated excavations; and iii. The corrective actions taken or proposed to be taken to prevent recurrence of an incident of a similar nature; and iv. Update of a geospatial register of spills. 	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<ul style="list-style-type: none"> • Refer Appendix A, which lists all spills regardless of incident threshold. • No spills were reported during this reporting period.
3.	<p>Condition 3. The interest holder must provide an annual report to DEPWS on its environmental performance, in accordance with item 11 (1)(b) in schedule 1 of the Petroleum (Environment) Regulations 2016. The first report must cover the 12-month period from the date of the approval, and be provided within three calendar months of the end of the reporting period. The annual environment performance report must align with the template prepared by DEPWS for this purpose and must include a signed declaration by the interest holder.</p>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<ul style="list-style-type: none"> • This report represents the third AEPR submitted under the EMP approval.
4.	<p>Condition 4. To support clause A.3.9 of the Code and the EMP rehabilitation plan, the interest holder is to provide an updated rehabilitation plan to DEPWS for approval, concurrent with submission of the annual environment performance report. The amended rehabilitation plan must include:</p>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<ul style="list-style-type: none"> • Rehabilitation management plan (RMP) developed and approved by the Minister on 15 July 2021, as part of the EMP (Refer Appendix K Exploration Permit 98 Rehabilitation Management Plan Rev 1.0 Amungee NW-1H Lease, dated 31/03/2021).

No	Ministerial Condition	Compliant	Evidence
	<p>i. Auditable success criteria for rehabilitation and corrective actions in the event rehabilitation monitoring shows success criteria are not achieved;</p> <p>ii. An annual summary of progressive rehabilitation outcomes; and</p> <p>iii. Be accompanied by geospatial files of all surface disturbance areas, including those under rehabilitation.</p> <p>Progressive rehabilitation of significantly disturbed land, not required for the ongoing conduct of future activities, must commence as soon as practicable but no longer than 12 months following cessation of the activity.</p> <p>The rehabilitation plan must be implemented until a successful outcome is achieved and documented.</p>		<ul style="list-style-type: none"> The interest holder provided a revised rehabilitation plan for the site, including shapefiles to DEPWS on 23 November 2022². The surface disturbance was updated to reflect new clearing, as approved under the Beetaloo Sub-basin Multi-well Drilling, Stimulation and Well Testing Program Exploration Permit (EP) 98 & 76 EMP (ORI10-3). Measurable attributes and success criteria remain unchanged. There is no change to the rehabilitation outcomes on Amungee NW-1H lease. No additional surface disturbance / clearing approved under this EMP.
5.	<p>Condition 5. To support clause D.6.2(b) of the Code, an emissions report must be provided to DEPWS by 30 September each year, which summarises actual greenhouse gas emissions reported under the Australian Government's National Greenhouse and Energy Reporting Act 2007 versus the predicted emissions in the EMP³.</p>	<p><input checked="" type="checkbox"/> Yes</p> <p><input type="checkbox"/> No</p> <p><input type="checkbox"/> N/A</p>	<ul style="list-style-type: none"> Annual emission report 2023-24 submitted to DEPWS on 30 September 2024. Previous Annual emission reports were also submitted by 30 September each year.

² Revised rehabilitation plan titled Exploration Permit 98 Rehabilitation Management Plan Rev 4.0 Amungee NW Lease, submitted with AEPR for the *Beetaloo Sub-Basin Amungee NW-1H Exploration Permit (EP) 98 EMP (ORI7-2)*, on 23 November 2022.

³ Clause D.6.2(b) of the Code requires annual actual greenhouse gas emissions to be provided even where emissions are below the NGERs threshold of 25 ktCO₂-e for scope 1 and scope 2 emissions reporting.

Table 3 provides a systematic overview of interest holder performance against the environmental outcomes and environmental performance standards within the approved EMP.

Table 3: Compliance with environmental outcomes and environmental performance standards

No	Environmental Outcome	Environmental Performance Standard	Compliant	Evidence
LAND - SOIL				
1.	No significant impact to the ecological function and productivity of soils surrounding Amungee NW as a result of [Tamboran's] exploration activities.	No releases of contaminants (chemicals, hydrocarbon or flowback wastewater) outside of [Tamboran's] lease pad.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<ul style="list-style-type: none"> Weekly site inspections completed during operations confirm no releases of chemicals, hydrocarbons and wastes outside of Tamboran's well site disturbance area. No incidents recorded relating to spills outside Tamboran's well site disturbance area.
2.		No reportable spills resulting from [Tamboran's] exploration activities during reporting period.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<ul style="list-style-type: none"> No regulated activity completed for the Amungee NW-1H EMP during this reporting period. No reportable incidents recorded relating to spills during the reporting period. Zero reportable incidents resulting from chemical or waste handling, recycling, treatment and transportation accidents.
3.		Erosion and sediment control in place and working effectively.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<ul style="list-style-type: none"> 6-monthly site stability inspections confirm ESC in place and working effectively. No erosion or sediment releases present that cannot be rectified during routine site maintenance.

No	Environmental Outcome	Environmental Performance Standard	Compliant	Evidence
				<ul style="list-style-type: none"> Routine site inspections completed; no material erosion identified.
Surface Water				
4.	No significant impact on surface water quality as a result of [Tamboran's] exploration activities.	<ul style="list-style-type: none"> During chemical and wastewater storage activities, no offsite release of contaminants from chemical, hydrocarbon and waste storage. 	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<ul style="list-style-type: none"> No offsite releases of chemicals were recorded during the reporting period. No chemical or wastewater storage onsite associated with Amungee NW-1H activities.
5.		<ul style="list-style-type: none"> No reportable spills, including off-site releases of contaminants resulting from [Tamboran's] exploration activities. 	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<ul style="list-style-type: none"> No regulated activity completed for the Amungee NW-1H EMP during this reporting period. No reportable incidents recorded relating to spills during the reporting period. Zero reportable incidents resulting from chemical or waste handling, recycling, treatment and transportation accidents.
6.		<ul style="list-style-type: none"> Erosion and sediment control in place and working effectively. 	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<ul style="list-style-type: none"> Routine site inspections completed; no material erosion identified. No material incidents of erosion reported.
Groundwater				
7.	[Tamboran's] exploration activities do not reduce the environmental value (quality and quantity) of the underlying groundwater resources.	<ul style="list-style-type: none"> No failure of wastewater tank secondary liner or tank structure. 	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<ul style="list-style-type: none"> No wastewater storage completed during activity under this EMP.
8.		<ul style="list-style-type: none"> No long-term (>12 month) reduction in groundwater level 	<input checked="" type="checkbox"/> Yes	<ul style="list-style-type: none"> Quarterly groundwater monitoring data collected and analysed against baseline

No	Environmental Outcome	Environmental Performance Standard	Compliant	Evidence
		observed in the impact monitoring bore that results in >1 m decline in groundwater level.	<input type="checkbox"/> No <input type="checkbox"/> N/A	<p>data demonstrates no material decline in groundwater quality.</p> <ul style="list-style-type: none"> Water extraction levels reported and submitted to DEPWS at least monthly via WALAPs.
Ecology				
9.	No significant impact to high valued habitats and listed threatened flora and fauna from [Tamboran's] exploration activities.	<ul style="list-style-type: none"> No releases of flowback off the lease into the surrounding vegetation. 	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<ul style="list-style-type: none"> No flowback storage during the reporting period. No incidents of wastewater release into the surrounding vegetation reported in Tamboran's incident management system. Nil leaks / spills reported for this reporting period associated with Amungee NW-1H activities.
10.		<ul style="list-style-type: none"> <7 individual fauna deaths per week for 2 consecutive weeks caused by flowback water storage. 	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<ul style="list-style-type: none"> No flowback storage during the reporting period. No fauna deaths reported.
11.		<ul style="list-style-type: none"> <0 threatened fauna deaths caused by flowback storage. 	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<ul style="list-style-type: none"> No flowback storage during the reporting period. No fauna deaths reported.
12.		<ul style="list-style-type: none"> No uncontrolled bushfires caused by Tamboran's exploration activities. 	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<ul style="list-style-type: none"> Zero reported incidents of uncontrolled bushfire caused by [Tamboran's] activities. Refer Appendix B.

No	Environmental Outcome	Environmental Performance Standard	Compliant	Evidence
13.		<ul style="list-style-type: none"> Weed surveys completed on all [Tamboran] disturbed areas. 	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<ul style="list-style-type: none"> 6-monthly pre- and post-wet season weed surveys completed on all [Tamboran] controlled disturbed areas. Routine site inspections completed with chemical weed controls implemented. Annual weed report will be submitted to DEPWS November 2024. Routine weed inspection of EP 98 was completed by DEPWS weed officer and Tamboran representatives. No weeds evident specific to Amungee NW-1H activities.
14.		<ul style="list-style-type: none"> Year-on-year decline in the size and density of all weed infestations introduced as a result of [Tamboran's] activities. 	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<ul style="list-style-type: none"> Routine site inspections completed with chemical controls implemented on Amungee NW. No evidence of weed outbreaks expanding in size.
Air Quality and GHG Emissions				
15.	No significant impact on air quality and no excess greenhouse gas emissions as a result of [Tamboran's] exploration activities.	<ul style="list-style-type: none"> Venting to be eliminated as far as reasonably practicable. 	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<ul style="list-style-type: none"> No incidents of uncontrolled gas emissions reported during the reporting period. 6 monthly leak detection on the Amungee NW-1H well completed in September 2024. No pastoralist complaints recorded during the activity.

No	Environmental Outcome	Environmental Performance Standard	Compliant	Evidence
				<ul style="list-style-type: none"> Zero reported incidents of uncontrolled bushfire(s) caused by Tamboran’s activities.
16.		<ul style="list-style-type: none"> All greenhouse gasses reporting in accordance with NGERS requirements. 	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<ul style="list-style-type: none"> All emissions related data (fuel use, flaring volumes etc.) reported in accordance with NGERS requirements. The Annual Emissions Management Report for the period 1 July 2023 to 30 June 2024 (Financial Year 24), submitted on 30 September 2024.
17.		<ul style="list-style-type: none"> All leaks detected and repaired in accordance with the Code 	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<ul style="list-style-type: none"> The 6 monthly leak detection on the Amungee NW-1 well have been completed. No leaks. Date of inspections completed over the period include: <ul style="list-style-type: none"> July 2023 November 2024 June 2024
Community				

No	Environmental Outcome	Environmental Performance Standard	Compliant	Evidence
18.	No significant negative impacts to the community as a result of [Tamboran's] exploration activities	<ul style="list-style-type: none"> All valid community complaints responded to within 24-hours with actions to remedy nuisance implemented as soon as practicable (depending on the nature of the complaint) 	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<p>No complaints received from local community or traditional owners reported/recorded during the reporting period, as demonstrated by quarterly incident reporting submitted to DEPWS:</p> <ul style="list-style-type: none"> 28 June 2023 27 September 2023 22 December 2023 2 April 2024 1 July 2024.
19.		<ul style="list-style-type: none"> Project expenditure data confirms the NT Business spend on the Beetaloo exploration project exceeds >60% of addressable⁴ spend of the project 	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<ul style="list-style-type: none"> All maintenance services (including 6-monthly gas detection, weed inspections, site inspections, etc.) completed by local Indigenous businesses and NT based companies. Since 2021, the Beetaloo Joint Venture has over \$800,000 with local indigenous business –this excludes wages from local employees.
Cultural Heritage and Sacred Sites				
20.	No significant impact on sacred sites and environmental values as a result of {Tamboran's} exploration activities	<ul style="list-style-type: none"> No unauthorised work within Restricted Work Areas (RWA) 	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<ul style="list-style-type: none"> All activities completed during this reporting period were within the AAPA approved areas.

⁴ Addressable spend is defined as a service or material that can be reasonably provided by an NT business at similar quality, timeliness and cost.

No	Environmental Outcome	Environmental Performance Standard	Compliant	Evidence
21.		<ul style="list-style-type: none"> No impacts to sacred sites 	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<ul style="list-style-type: none"> No sacred sites are within close proximity to Amungee NW-1H.
22.		<ul style="list-style-type: none"> Site inductions completed on all employees and contractors which include information on RWAs and approved activity areas 	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<ul style="list-style-type: none"> No activities during this reporting period on Amungee NW

Table 4 demonstrates interest holder compliance with reporting requirements in the *Code of Practice: Onshore Petroleum Activities in the Northern Territory* (Code) and interest holder's compliance with reporting and monitoring requirements under the Petroleum (Environment) Regulations 2016 (NT) schedule 1, item 11(2), which requires the EMP to include all information required to be recorded, monitored or reported. Where relevant, Table 4 confirms that all records, monitoring or required reporting under the Petroleum (Environment) Regulations 2016 (NT),⁵ or under a commitment made in the EMP, has been provided to DEPWS or the relevant NTG agency.

Table 4: Compliance with mandatory monitoring and reporting requirements

No	Reference	Requirement	Compliant	Evidence
1.	Code cl A.3.5	Geospatial information depicting areas cleared is to be provided to the Minister.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Geospatial data provided to DEPWS as follows: <ul style="list-style-type: none"> Rehabilitation has not commenced on the Amungee NW 98 well site which covers multiple EMP approvals, not just Amungee NW-1H. The revised surface disturbance table is a comparison between EMP (proposed) vs actual cleared footprint The success criteria remain unchanged. The rehabilitation plan for the Amungee NW site was assessed and accepted by DEPWS, 29 November 2022.
2.	Code cl A.3.6 (b)	Weed management plan developed as part of the EMP must provide for ongoing weed monitoring.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<ul style="list-style-type: none"> Weed management plan developed, with 6 monthly weed monitoring completed, when site access is available. 2023-24 Annual Weed Survey report to be submitted in November 2024. Overall, the weed management plan has continued to be implemented across all the site in accordance

⁵ Petroleum (Environment) Regulations 2016 (NT) sch 1, item 11(2).

No	Reference	Requirement	Compliant	Evidence
				<p>with the relevant conditions of the environmental approvals for the Beetaloo exploration program.</p> <ul style="list-style-type: none"> • A post wet season site visit in May 2024, indicated that the sites remains free of declared weeds.
3.	Code cl A.3.7(a)vi	The fire management plan must provide for annual fire mapping.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<ul style="list-style-type: none"> • Fire Management Plan implemented. • Annual fire mapping using NAFI data indicates the most recent fires in the vicinity of EP 98 and EP 76 occurred in 2021 and 2018, respectively. Refer annual fire mapping (Appendix A).
4.	Code cl A.3.9(c) Code cl A.3.9(e)	The rehabilitation plan requires progressive rehabilitation of significantly disturbed land which is required to commence no longer than 12 months following the cessation of activities on the land. It also requires regular maintenance and annual monitoring of rehabilitated areas.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<ul style="list-style-type: none"> • A rehabilitation plan was submitted to DEPWS in accordance with EMP approval. • No rehabilitation activities have occurred on the sites during the reporting period.
5.	Code cl B.4.13.2(c)	<p>As a minimum, the following must be recorded and reported for each stage (where a stage in this context means all fluids pumped at a particular depth interval):</p> <p>a) total volume of hydraulic fracturing fluid pumped,</p> <p>b) quality of water used (tested for analytes in section C.8 of this Code. Analyses do not need to be repeated if the same water source is used for multiple stages), and</p> <p>c) typical and maximum concentrations of chemicals or other substances used.</p>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<ul style="list-style-type: none"> • No exploration drilling, hydraulic fracture stimulation or well testing activities were completed under this EMP during the reporting period.

No	Reference	Requirement	Compliant	Evidence
6.	Code cl B.4.13.2(k)iv	Where venting is the only technically feasible option for managing produced gas, the technical considerations preventing the use of the recovered gas must be recorded and included in the operator's annual report.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<ul style="list-style-type: none"> No incidents of uncontrolled gas emissions recorded during the reporting period on EP 98. Extended Production Test occurred 07/08/2021 – 21/09/2021. The 2023 – 24 emissions management report submitted by 30 September 2024.
7.	Code cl B.4.14.2(c)	All new barriers or new well operating envelopes must be verified and clearly documented and reported by submission of an updated well barrier integrity validation (WBIV) report to DITT.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<ul style="list-style-type: none"> All cementing operations which occurred in 2015 were reported as part of the Amungee NW-1 Well Completion Report.
8.	Code cl B.4.15.2(j)	Complete and accurate records of the entire decommissioning procedure must be kept, with these records submitted as part of the legislative reporting requirements for the decommissioning of petroleum wells.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<ul style="list-style-type: none"> Amungee NW-1H has not been decommissioned.
9.	Code B.4.17.2(d)	Any guidelines published by the Northern Territory Government from time to time relating to reporting and data submission, and groundwater monitoring data standards must be followed.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<ul style="list-style-type: none"> All water monitoring bore completion reports have been submitted to DEPWS, including initial water quality data post completion. Quarterly groundwater monitoring results for Amungee NW1 submitted to DEPWS on 25 September 2023, 7 December 2023, 21 March 2024 and 14 August 2024. All groundwater monitoring is undertaken in accordance with the NT's Preliminary Guideline: Groundwater monitoring bores for exploration petroleum wells in the Beetaloo Sub-basin.

No	Reference	Requirement	Compliant	Evidence
10.	Code C.3(e)	The components of the wastewater management framework, include: Monitor, manage and report in accordance with the Wastewater Management Plan and Spill Management Plan.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<ul style="list-style-type: none"> The approved EMP includes a WWMP and SMP, which has been adhered to during the reporting period. No incidents of uncontrolled wastewater release or spills off well pads were recorded in TRAC during the reporting period.
11.	Code cl C.6.1(d)	Wastewater tracking documentation must be reported to the Minister at least annually in accordance with the framework (Spill Management Plan and Wastewater Management Plan) outlined in the EMP	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<ul style="list-style-type: none"> All wastewater tracking reported weekly during operations. No regulated activities occurred on Amungee NW-1H during reporting period.
12.	Code cl C.7.1(d)ii	Wastewater Management Plan must include a program for monitoring and reporting against the effectiveness of the measures for the mitigation of interaction with wildlife, stock and human receptors with wastewater.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<ul style="list-style-type: none"> The approved EMP includes a WWMP and SMP, which has been adhered to during the reporting period. No regulated activities occurred on Amungee NW-1H during reporting period.
13.	Code cl D.5.9.2(c)	Emissions from exploration, well construction (including during flowback) and workovers must be measured, and reports submitted.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<ul style="list-style-type: none"> Emission related data (including fuel usage and flaring data) have been measured. The Annual Emissions Management Report for the period 1 July 2023 to 30 June 2024 (referred to as FY 23), was submitted by 30 September 2024.
14.	Code cl D.5.9.3(a)	Where natural gas is vented or flared at a gas processing or other downstream facility, emissions must be estimated and reported.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<ul style="list-style-type: none"> This condition is associated with a larger field development program. The Annual Emissions Management Report for the period 1 July 2023 to 30 June 2024 (referred to as FY 23), was submitted by 30 September 2024.

No	Reference	Requirement	Compliant	Evidence
15.	Code D.6.2(b)	Emissions reporting must be in accordance with Section D.5.6. Emissions associated with venting and flaring as described in Section D.5.9 must be provided separately to the Northern Territory Government in accordance with this Code.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<ul style="list-style-type: none"> Emission reporting, as per section 5.6 provided on 30 September 2024.
16.	Reg 14	A current EMP remains in force until the interest holder notifies the Minister the activity is no longer being carried out and all of the environmental outcomes and obligations under the plan have been met, and the Minister advises the interest holder the notice is accepted and the plan ceases to be in force.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<ul style="list-style-type: none"> The EMP is still in force and has approximately 1 year remaining before the next review.
17.	Reg 33	DEPWS must be notified of reportable incidents within 2 hours of the interest holder becoming aware of the incident, or within 2 hours of the incident occurring. A written report must be provided within 24 hours if the initial report was made orally.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<ul style="list-style-type: none"> No reportable incidents have been recorded at any sites during the reporting period.
18.	Reg 34	Reports on reportable incidents must be provided to DEPWS as soon as practicable and within 72 hours of the event occurring. A final report must be provided to DEPWS within 30 days after remediation/cleanup of the affected area.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<ul style="list-style-type: none"> No reportable incidents have been recorded during the reporting period.
19.	Reg 35	A written report of all recordable incidents must be provided to DEPWS not later than	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<ul style="list-style-type: none"> Quarterly reports were provided to DEPWS by email as follows: <ul style="list-style-type: none"> 28 June 2023

No	Reference	Requirement	Compliant	Evidence
		15 days after the 90 day reporting period (unless otherwise agreed).	<input type="checkbox"/> N/A	<ul style="list-style-type: none"> • 27 September 2023 • 22 December 2023 • 2 April 2024 • 1 July 2024.
20.	Reg 37A	A report about flowback fluid from hydraulic fracturing must be provided to the Minister within 6 months of the flowback occurring.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<ul style="list-style-type: none"> • For Amungee NW, this had already been submitted in 2016/17.
21.	Reg 37B	A report about produced water from hydraulic fracturing must be provided to the Minister within 6 months of the produced water being extracted.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<ul style="list-style-type: none"> • For Amungee NW, this had already been submitted in 2016/17.
22.	Schedule 1, item 9(2)	Interest holders are required to conduct future engagement with stakeholders, in accordance with the description in the EMP.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<ul style="list-style-type: none"> • Stakeholder engagement with immediately affected parties is ongoing, with the frequency of the engagement dependent on the level of activity being completed onsite at a given point of time. • Land access agreements are in place covering current and future activities.
23.	Schedule 1, item 12	Interest holder must notify the Minister, occupier of the land and owner of the land on which the activity is to be carried out before commencement of construction, ⁶ drilling, or seismic surveys.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<ul style="list-style-type: none"> • Notification were issued to pastoralist on 24 April 2021. • Notification were issued to DEPWS on 16 July 2021.

⁶ Note, civil works are also considered 'construction' activities.

3. Overall performance

3.1. Overview of performance

Table 5 provides a summary of the results of the performance assessment.

Table 5: Performance summary

Performance Status	Number	Percentage
Compliant	44	100% ^a
Not Compliant	0	0%
Not Applicable	6	N/A

^a Excludes regulatory requirements that are not applicable.

3.2. Overview of non-compliant items

Table 6 describes:

- the specific compliance requirements not met for the reporting period
- an analysis of the possible potential environmental harm or impact to environmental values resulting from non-compliance, using multiple lines of evidence
- a summary of the corrective actions already implemented, and further actions still required, as applicable, to ensure compliance is fully achieved in the future.

Table 6: Overview of non-compliance

Overview of non-compliance		
1. Ministerial approval conditions		
1	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<i>Non-compliance with ministerial approval conditions recorded during this reporting period?</i> <i>If yes, complete the sections below. If more than one instance, copy the rows below for each condition not met.</i> <i>If no, proceed to 2. Environmental Outcomes</i>
2	Condition # and requirement	-
3	Summary of non-compliance	-
4	Evidence used to detect non-compliance	-
5	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<i>Environmental harm arising from non-compliance</i> <i>If yes, complete section below.</i> <i>If no, proceed to row 7.</i>

Overview of non-compliance		
6	If yes, describe nature and scale of impact and actions to remediate and rehabilitate	-
7	If no, describe how determined no impact	-
8	<input type="checkbox"/> Yes	<i>Administrative non-compliance</i>
9	If yes, describe nature of non-compliance	-
10	Immediate corrective actions implemented	-
11	Future corrective actions to prevent reoccurrence	-
2. Environmental outcomes		
12	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<i>Non-compliance with environmental outcome? If yes, complete the sections below. If more than one instance, copy the rows below for each outcome not complied with. If no, proceed to 3. Environmental Performance Standards</i>
13	Outcome	-
14	Summary of non-compliance	-
15	Evidence used to detect non-compliance	-
16	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<i>Environmental harm arising from non-compliance If yes, complete section below. If no, proceed to row 18.</i>
17	If yes, describe nature and scale of impact and actions to remediate and rehabilitate	-
18	If no, describe how determined no impact	-
19	<input type="checkbox"/> Yes	
20	If yes, describe nature of non-compliance	
21	Immediate corrective actions implemented	
22	Future corrective actions to prevent reoccurrence	

Overview of non-compliance		
3. Environmental performance standards		
23	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<p><i>Non-compliance with environmental performance standard?</i></p> <p><i>If yes, complete the sections below. If more than one instance, copy the rows below for each environmental performance standard not complied with.</i></p> <p><i>If no, proceed to 4. Regulatory Reporting or Record Keeping</i></p>
24	Environmental performance standard	-
25	Summary of non-compliance	-
26	Evidence used to detect non-compliance	-
27	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<p><i>Environmental harm arising from non-compliance</i></p> <p><i>If yes, complete section below.</i></p> <p><i>If no, proceed to row 29.</i></p>
28	If yes, describe nature and scale of impact and actions to remediate and rehabilitate	-
29	If no, describe how determined no impact	-
30	<input type="checkbox"/> Yes	<i>Administrative non-compliance</i>
31	If yes, describe nature of non-compliance	-
32	Immediate corrective actions implemented	-
33	Future corrective actions to prevent reoccurrence	-
4. Regulatory reporting or record keeping		
34	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<p><i>Non-compliance with regulatory reporting or record keeping?</i></p> <p><i>If yes, complete the sections below. If more than one instance, copy the rows below for each regulatory reporting or record keeping regulatory requirement not met.</i></p> <p><i>If no, proceed to 5. Monitoring</i></p>
35	Reporting or recording requirement	
36	Summary of non-compliance	

Overview of non-compliance		
37	Evidence used to detect non-compliance	
38	Corrective actions implemented to improve reporting and record keeping	
5. Monitoring		
39	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<i>Non-compliance with monitoring requirements? If yes, complete the sections below. If more than one instance, copy the rows below for each monitoring requirement not met.</i>
40	Monitoring requirement	-
41	Summary of non-compliance	-
42	Evidence used to detect non-compliance	-
43	Corrective actions implemented to ensure compliance with monitoring requirements	-

ATTACHMENT A: Incidents for reporting period – 16 July 2023 to 15 July 2024

Incident Date	Incident Number	Actual Consequence	Potential Consequence	Consequences	Department Responsible	Location	Summary	Status
NIL								

ATTACHMENT B: 2014 - 2024 NAFI fire scars in the vicinity of EMP well site

Amungee NW-1H Well Sites

