

Annual Environmental Performance Report

EMP title	AMUNGEE NW DELINEATION PROGRAM EP 98 EMP
Unique EMP ID	ORI11-3
EMP approval date	14 November 2022
AEPR period	15 November 2023 – 14 November 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
21/02/2025	0	Issued for approval	A Court	M Kernke	M Kernke
04/03/2025	1	Minor update pg 28	A Court	M Kernke	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
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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)

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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	AMUNGEE NW DELINEATION PROGRAM EP 98 EMP
Unique EMP ID	ORI11-3
EMP approval date	14 November 2022
AEPR period	15 November 2023 – 14 November 2024
Petroleum title number/s	EP 98
Regulation 22 Notices (insert more rows if needed)	
Date Acknowledged	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	There have been on regulated activities performed on Amungee EP 98 under this EMP during the reporting period.
<input type="checkbox"/>	Gantt chart attached showing the period each regulated activity listed above was conducted

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

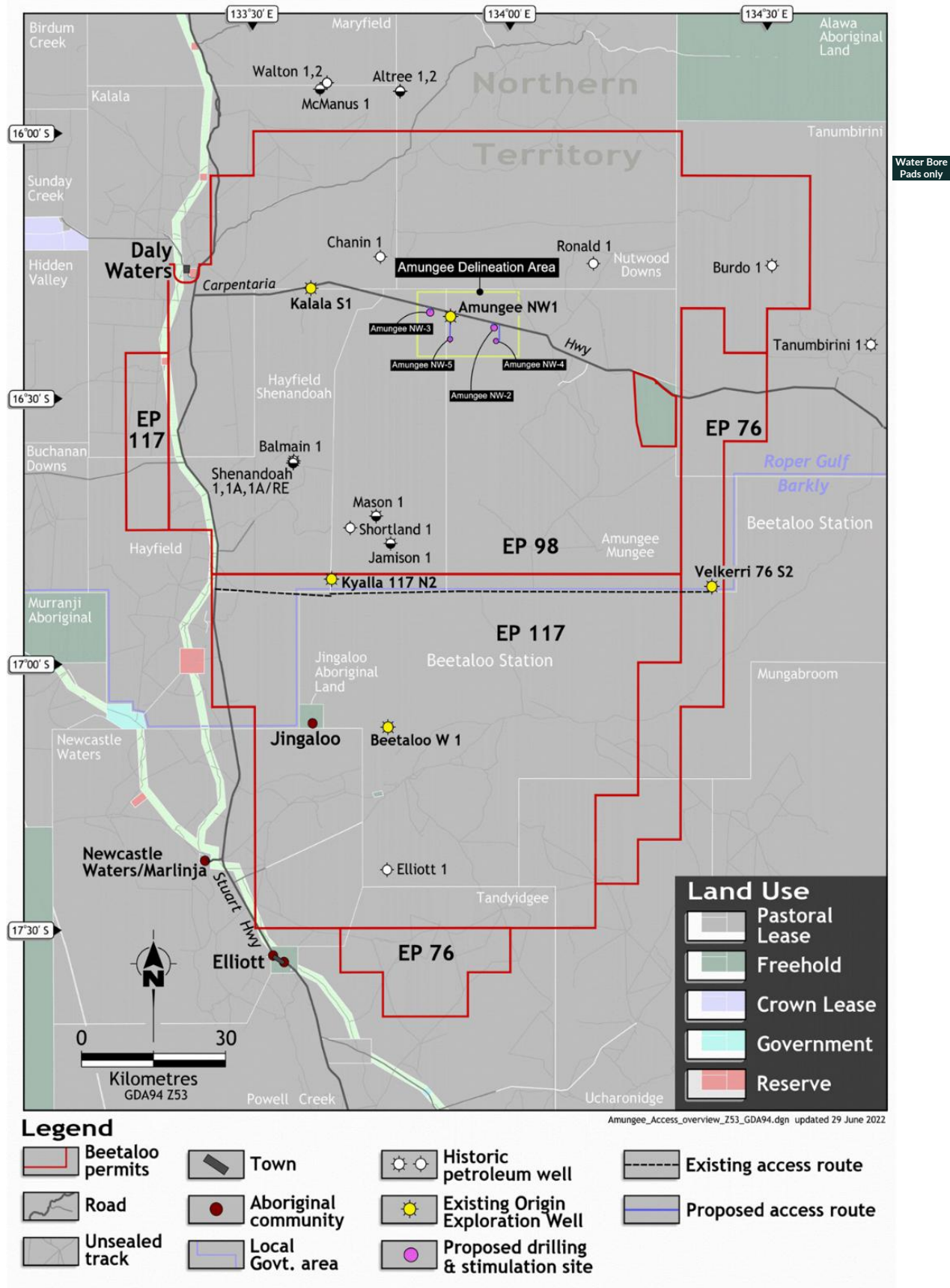


Figure 1 Amungee Delineation EMP site locations

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
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 1i. The interest holder must submit to the Department of Environment, Parks and Water Security (DEPWS), via Onshoregas.DEPWS@nt.gov.au the following:</p> <p>i. Notification of the commencement of hydraulic fracturing activities prior to commencement.</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	No regulated activities have commenced under this EMP during this reporting period.
2.	<p>Condition 1ii. An updated timetable for the regulated activity that is to be provided on the last day of each quarter (being 31 March, 30 June, 30 September and 31 December each year), that identifies activities completed in the current quarter and:</p> <ul style="list-style-type: none"> Regulated activities in the next quarter, including duration; Activities in the next quarter based on commitments in the EMP relevant to the stage of the activity, including duration; Due dates for satisfaction of Ministerial approval conditions in the next quarter; and Due dates for regulatory reporting in the next quarter. 	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<p>Monthly reports were provided to DLPE on the following dates:</p> <ul style="list-style-type: none"> 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 31 August 2024 30 September 2024 31 October 2024 28 November 2024. <p>Quarterly reports were provided to DLPE by email as follows:</p> <ul style="list-style-type: none"> Q4 2023 report provided 15/01/2024

No	Ministerial Condition	Compliant	Evidence
			<ul style="list-style-type: none"> • Q1 2024 report provided 12/04/2024 • Q2 2024 report provided 15/07/2024 • Q3 2024 report provided 15/10/2024.
3.	<p>Condition 1iii. During civil works (and noting civil works is taken to include any type of earth moving, land clearing, installation of gravel pits, establishment of well pads, establishment of access tracks), weekly reports indicating:</p> <ul style="list-style-type: none"> • The status and progress of vegetation clearing and civil works at each location the activity is conducted; • Any fires potentially threatening the activity from external or internal sources; • The outcome of inspections of erosion and sediment control measures and corrective actions taken; and • The outcome of inspections and risk assessments for determining suitability of use of unsealed roads by any vehicle or machinery other than light vehicle in the wet season. 	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	No regulated activities have commenced under this EMP during this reporting period.
4.	<p>Condition 1iv. During drilling, daily on-site reports, to be consolidated and provided weekly, indicating:</p> <ul style="list-style-type: none"> • Status and progress of drilling at each location; • Freeboard available in drill cutting pits (in cm); and • The outcome of general site inspections relevant to drilling and waste, and corrective actions taken. 	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	No regulated activities have commenced under this EMP during this reporting period.
5.	<p>Condition 1v. During hydraulic fracturing and flowback, weekly reports indicating:</p> <ul style="list-style-type: none"> • Status and progress of hydraulic fracturing; • Weekly measurements of stored volume (in ML) and freeboard (cm) of wastewater storage tanks, unless 	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	No regulated activities have commenced under this EMP during this reporting period.

No	Ministerial Condition	Compliant	Evidence
	<p>operated in the wet season, during which it must be measured daily; and</p> <ul style="list-style-type: none"> The outcome of general site inspections relevant to hydraulic fracturing and waste and corrective actions taken. 		
6.	<p>Condition 1vi. During the wet season, weekly reports indicating:</p> <ul style="list-style-type: none"> The outcome of inspections of erosion and sediment control measures and corrective actions taken; The outcome of daily inspections of any secondary containment in use, and corrective actions taken; Any halt to the regulated activity due to wet season conditions; and Daily measurements of freeboard available in drill cutting pits and wastewater treatment tanks (in cm) whenever operational. 	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	No regulated activities have commenced under this EMP during this reporting period.
7.	<p>Condition 1vii. For avoidance of doubt, if wastewater is present in tanks or drill cutting pits contain waste drill fluids and cuttings, these are considered to be operational. Reports must continue to be provided as per parts iv and v above, irrespective of whether there is manned activity occurring on site if the wastewater infrastructure is operational.</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	No regulated activities have commenced under this EMP during this reporting period.
8.	<p>Condition 1viii. In the event that multiple regulated activities under the EMP are being conducted concurrently, the weekly submission of consolidated daily reports may be further consolidated to a single submission, but must clearly identify the locations and activities to which the information pertains, in relation to each item listed in conditions iii to v above, inclusive.</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	No regulated activities have commenced under this EMP during this reporting period.

No	Ministerial Condition	Compliant	Evidence
9.	<p>Condition 2. The interest holder must provide an annual report to DEPWS, via Onshoregas.DEPWS@nt.gov.au, on its environmental performance, in accordance with item 11(1)(b) in schedule 1 of the Petroleum (Environment) Regulations 2016 (NT). With respect to the reports required to submitted in accordance with item 11(1)(b) in schedule 1 of the Petroleum (Environment) Regulations 2016 (NT):</p> <ul style="list-style-type: none"> i. The first report must cover the 12 month period from the date of the approval, and be provided within 3 calendar months of the end of the reporting period. ii. Each report must align with the template and Guideline prepared by DEPWS for this purpose and be provided each year until such time a notification is made to the Minister under regulation 14 that the activity is complete, or until the EMP is revised and re-approved. 	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<p>This AEPR is the second report since EMP approval and aligns with the DLPE guideline.</p>
10.	<p>Condition 3. In support of clause D.6.2 of the Code of Practice: Onshore Petroleum Activities in the Northern Territory, an emissions report must be provided to DEPWS by 31 October each year, via Onshoregas.DEPWS@nt.gov.au, which:</p> <ul style="list-style-type: none"> i. Documents actual annual greenhouse gas emissions from conduct of the regulated activity estimated and reported under the Commonwealth <i>National Greenhouse and Energy Reporting Act 2007</i> versus predicted emissions in the EMP. ii. Demonstrates the actual emissions have been verified by an auditor registered under the Register of Greenhouse and Energy Auditors established under section 75A of the NGER Act. 	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<p>No regulated activities have been undertaken during the reporting period under this EMP.</p> <p>The annual emissions report was submitted to DEPWS 30 September 2024.</p>

No	Ministerial Condition	Compliant	Evidence
	<p>iii. Includes a summary of all regulated activities conducted which have contributed to greenhouse gas emissions during the reporting period; and</p> <p>iv. Accounts for differences between actual and predicted emissions with reference to all parts of the regulated activity with potential to create greenhouse gas emissions.</p> <p>FOOTNOTE: 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 ktCO₂e for scope 1 and scope 2 emissions reporting.</p> <p>FOOTNOTE 2: The timing for submissions of the report in Condition 3 is to align with the timing for submission of reports to the Commonwealth Clean Energy Regulator, who may change submission due dates from time to time.</p>		
11.	Condition 4i. The interest holder must: comply with its Greenhouse Gas Abatement Plan (GGAP) prepared by [Tamboran] 82 Pty Ltd, dated 25 October 2022 as updated annually in accordance with condition (ii) below;	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	No regulated activities have been undertaken during the reporting period under this EMP.
12.	Condition 4ii. by 30 September each year, provide an updated GGAP to Onshoregas.DEPWS@nt.gov.au , which meets the GGAP content requirements of the Greenhouse Gas Emissions Management for New and Expanding Large Emitters Policy version 1.1 dated 1 September 2021 and demonstrates: a) the actual scope 1 and scope 2 greenhouse gas emissions produced, compared to the predicted scope 1 and scope 2 greenhouse gas emissions in the EMP;	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	Annual GGAP submitted to DLPE on 30 September 2024.

No	Ministerial Condition	Compliant	Evidence
	<p>b) the proposed method/s of offsetting residual cumulative scope 1 and scope 2 greenhouse gas emissions across all active EMPs for the preceding financial year;</p> <p>c) any changes to predicted future cumulative scope 1 and scope 2 greenhouse gas emissions across all active EMPs; and</p> <p>d) annual progress towards achieving net zero emissions by 2050; and</p>		
13.	<p>Condition 4iii. By 30 November each year, provide evidence of offsets obtained during the previous financial year to Onshoregas.DEPWS@nt.gov.au.</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	No regulated activities have been undertaken during the reporting period under this EMP.
14.	<p>Condition 5. To support clause C.7.2 of the Code, all accidental releases of liquid contaminant or hazardous chemical must be immediately recorded in a site spill register. The spill register and geospatial files specifying the location of the spill must include:</p> <ul style="list-style-type: none"> i. The location, source and volume of the spill or leak; ii. Volume of impacted soil removed for appropriate disposal and the depth of any associated excavation; iii. The corrective actions taken or proposed to be taken to prevent recurrence of an incident of a similar nature; and iv. GPS co-ordinates of the location of the spill. 	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	No regulated activities have commenced under this EMP during this reporting period
15.	<p>Condition 6: In support of clause B.4.17.2 of the Code of Practice: Onshore Petroleum Activities in the Northern Territory, the interest holder must:</p> <ul style="list-style-type: none"> i. Undertake quarterly groundwater monitoring at each control and impact monitoring bore for a minimum of three 	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	No regulated activities have commenced under this EMP during this reporting period.

No	Ministerial Condition	Compliant	Evidence
	<p>years after establishment, unless otherwise advised by DEPWS.</p> <p>ii. provide to DEPWS, via Onshoregas.DEPWS@nt.gov.au, the results of quarterly groundwater monitoring, as soon as practicable and no later than 2 months after collection, in a format to be determined by DEPWS.</p>		
16.	<p>Condition 6iii. Provide to DEPWS, via Onshoregas.DEPWS@nt.gov.au, an interpretive report of groundwater quality based on the groundwater monitoring required to be conducted at the well site(s) in accordance with Table 6 of the Code. The interpretive report must be provided annually within 3 months of the anniversary of the approval date of the EMP and include:</p> <ul style="list-style-type: none"> • identification of any change to groundwater quality or level attributable to conduct of the regulated activity at the well site(s) and discussion of the significance and cause of any such observed change • interpretation of any statistical outliers observed from baseline measured values for each of the analytes • discussion of any trends observed • a summary of the results including descriptive statistics • description of the layout of the groundwater monitoring bores and wells, indicative groundwater flow directions and levels in accordance with the Preliminary Guideline Groundwater Monitoring Bores for Exploration Petroleum Wells in the Beetaloo Sub-basin. 	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	No regulated activities have commenced under this EMP during this reporting period.

No	Ministerial Condition	Compliant	Evidence
17.	Condition 6iv. Develop site-specific performance standards for groundwater quality and interquartile ranges for analytes at each of the impact monitoring bores established, based on the first 3 years of groundwater monitoring, and provide to DEPWS, via Onshoregas.DEPWS@nt.gov.au within 6 months of the 3-year anniversary of approval of the EMP.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	No regulated activities have commenced under this EMP during this reporting period.
18.	Condition 7. In support of clause 16 of the Water Act 1992 (NT) and clause 8.4.2 of the Code of Practice: Onshore Petroleum Activities in the Northern Territory, the interest holder must undertake groundwater level / pressure monitoring at each impact monitoring bore established, using a logger to record water level for 2 weeks prior to, during, and 4 weeks after completion of hydraulic fracturing operations at each well pad. Data logging should record at a minimum of every 4 minutes for the duration of the recording period. The logging data should be provided to DEPWS via Onshoregas.DEPWS@nt.gov.au within 2 weeks of completion of groundwater level monitoring in each impact monitoring bore.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	No regulated activities have commenced under this EMP during this reporting period.
19.	Condition 8. The interest holder must provide to DEPWS within 8 weeks of completion of well flowback operations at each new exploration well established under the EMP a report on the risk assessment of flowback wastewater from the hydraulic fracturing phase, via Onshoregas.DEPWS@nt.gov.au . The risk assessment must be: <ol style="list-style-type: none"> i. prepared by a suitably qualified person ii. prepared in accordance with the monitoring wastewater analytes specified in section C.8 of the Code of Practice: Onshore Petroleum Activities in the Northern Territory. 	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	No regulated activities have commenced under this EMP during this reporting period.

No	Ministerial Condition	Compliant	Evidence
20.	<p>Condition 9. Within 30 days of each occasion a groundwater bore is installed, the interest holder must send to Onshore.DEPWS@nt.gov.au:</p> <ul style="list-style-type: none"> i. the registered number of the groundwater bore; ii. the aquifer the groundwater bore is targeting; iii. the purpose of the groundwater bore; iv. whether the bore is proposed to be included on an extraction licence and the proposed volume to be extracted per annum, or if already included on an extraction licence, the extraction licence number and date issued and the volume allowed for extraction per annum; and v. the GPS coordinates of the groundwater bore. 	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	No regulated activities have commenced under this EMP during this reporting period.
21.	<p>Condition 10: Within 12 months of the start date of the proposed seismic acquisition, submit a report to Onshore.DEPWS@nt.gov.au outlining the success of the proposed trial with seismic charges, which considers:</p> <ul style="list-style-type: none"> i. estimated difference in clearing footprint between vibroseis and seismic charges method; ii. potential and observed impact to tree health with 20 m of the locations where seismic charges were used; iii. potential and observed surface disturbance from the release of seismic charges at the locations where seismic charges were used; and iv. observations of the efficacy of use of seismic charges as an alternative approach for conducting seismic activities. 	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	No regulated activities have commenced under this EMP during this reporting period.

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				
22.	No significant impact to the ecological function and productivity of soils resulting from [Tamboran's] exploration activities.	S-1: No releases of contaminants (chemicals, stimulation fluid, hydrocarbon, drilling wastewater or flowback wastewater) outside of [Tamboran's] lease pad.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<ul style="list-style-type: none"> No regulated activities have commenced under this EMP during this reporting period.
23.		S-2: No reportable spills, including wastewater tank/sump overtopping events or spills from wastewater recycling, resulting from [Tamboran's] exploration activities.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<ul style="list-style-type: none"> No regulated activities have commenced under this EMP during this reporting period.
24.		S-3: Zero reportable incidents resulting from chemical or waste handling, recycling, treatment and transportation accidents	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<ul style="list-style-type: none"> No regulated activities have commenced under this EMP during this reporting period.
25.		S-4: Erosion and sediment control in place and working effectively.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<ul style="list-style-type: none"> No regulated activities have commenced under this EMP during this reporting period.
26.		S-5: Evidence of maintenance performed on all material erosion and sediment control events.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<ul style="list-style-type: none"> No regulated activities have commenced under this EMP during this reporting period.

No	Environmental Outcome	Environmental Performance Standard	Compliant	Evidence
27.		S-6: Seismic line reinstatement and rehabilitation implemented to return vegetation cover.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<ul style="list-style-type: none"> No regulated activities have commenced under this EMP during this reporting period.
Surface Water				
28.	No significant impact on surface water quality as a result of [Tamboran's] exploration activities.	<ul style="list-style-type: none"> SW-1: During chemical and wastewater storage activities, no offsite release of contaminants from chemical, hydrocarbon and waste storage. 	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<ul style="list-style-type: none"> No regulated activities have commenced under this EMP during this reporting period.
29.		<ul style="list-style-type: none"> SW-2: No seismic events over Ml 3.5 attributable to [Tamboran's] activities. 	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<ul style="list-style-type: none"> No regulated activities have commenced under this EMP during this reporting period.
30.		<ul style="list-style-type: none"> SW-3: No reportable spills, including off-site releases of contaminants resulting from [Tamboran's] exploration activities. 	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<ul style="list-style-type: none"> No regulated activities have commenced under this EMP during this reporting period.
31.		<ul style="list-style-type: none"> SW-4: Erosion and sediment control in place and working effectively. 	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<ul style="list-style-type: none"> No regulated activities have commenced under this EMP during this reporting period.

No	Environmental Outcome	Environmental Performance Standard	Compliant	Evidence
Groundwater				
32.	[Tamboran's] exploration activities do not reduce the environmental values of the underlying groundwater resources.	<ul style="list-style-type: none"> GW-1: All regional aquifers isolated through cement and casing. 	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<ul style="list-style-type: none"> No regulated activities have commenced under this EMP during this reporting period.
33.		<ul style="list-style-type: none"> GW-2: No failure of wastewater tank secondary liner. 	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<ul style="list-style-type: none"> No regulated activities have commenced under this EMP during this reporting period.
34.		<ul style="list-style-type: none"> GW-3: No seismic events over Ml 3.5 attributable to Tamboran's activities. 	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<ul style="list-style-type: none"> No regulated activities have commenced under this EMP during this reporting period.
35.		<ul style="list-style-type: none"> GW-4: No long-term (>12 month) reduction in quality of an impact groundwater monitoring bore that is attributable to [Tamboran's] activities. A decline is defined as a change in water chemistry that exceeds the ANZECC guidelines for Livestock (the primary Environmental Value) of groundwater in the region. 	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<ul style="list-style-type: none"> No regulated activities have commenced under this EMP during this reporting period.
36.		<ul style="list-style-type: none"> GW-5 & GW-6: No long term (>12 month) reduction in groundwater level observed in the impact monitoring bore that results in >1 m decline in groundwater water level. 	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<ul style="list-style-type: none"> No regulated activities have commenced under this EMP during this reporting period.

No	Environmental Outcome	Environmental Performance Standard	Compliant	Evidence
Ecology				
37.	No significant impact to high valued habitats and listed threatened flora and fauna from [Tamboran's] exploration activities.	<ul style="list-style-type: none"> EC-1: No releases of wastewater (drilling fluid and flowback) off the lease into the surrounding vegetation. 	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<ul style="list-style-type: none"> No regulated activities have commenced under this EMP during this reporting period.
38.		<ul style="list-style-type: none"> EC-2 & EC-3: <7 individual fauna deaths per week for 2 consecutive weeks caused by flowback water storage. 	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<ul style="list-style-type: none"> No regulated activities have commenced under this EMP during this reporting period.
39.		<ul style="list-style-type: none"> EC-4 & EC-5: No listed threatened fauna deaths caused by flowback storage. 	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<ul style="list-style-type: none"> No regulated activities have commenced under this EMP during this reporting period.
40.		<ul style="list-style-type: none"> EC-6: No uncontrolled bushfires caused by Tamboran's exploration activities (including civil construction, seismic and E&A activities). 	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<ul style="list-style-type: none"> No regulated activities have commenced under this EMP during this reporting period.
41.		<ul style="list-style-type: none"> EC-7: Weed surveys completed on all [Tamboran] disturbed areas. 	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<ul style="list-style-type: none"> No regulated activities have commenced under this EMP during this reporting period.
42.		<ul style="list-style-type: none"> EC-8: Year-on-year decline in the size and density of all weed infestations introduced as a result of [Tamboran's] activities. 	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<ul style="list-style-type: none"> No regulated activities have commenced under this EMP during this reporting period.

No	Environmental Outcome	Environmental Performance Standard	Compliant	Evidence
43.		<ul style="list-style-type: none"> EC-9: Disturbed seismic lines are reinstated promptly to promote revegetation. 	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<ul style="list-style-type: none"> No regulated activities have commenced under this EMP during this reporting period.
Air Quality and GHG Emissions				
44.	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"> AQ-1: Venting to be eliminated as far as reasonably practicable. 	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<ul style="list-style-type: none"> No regulated activities have commenced under this EMP during this reporting period.
45.		<ul style="list-style-type: none"> AQ-2: 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"> No regulated activities have commenced under this EMP during this reporting period. The Annual Emissions Management Report for the period 1 July 2023 to 30 June 2024 (Financial Year 24) submitted by 30 September 2024.
46.		<ul style="list-style-type: none"> AQ-3 to AQ-5: All leaks detected and repaired in accordance with the Code. 	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<ul style="list-style-type: none"> No regulated activities have commenced under this EMP during this reporting period.
Community				
47.	No significant negative impacts to the community as a result of [Tamboran's] exploration activities	<ul style="list-style-type: none"> CO-1: All valid community complaints of nuisance investigated and resolved. 	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<ul style="list-style-type: none"> No regulated activities have commenced under this EMP during this reporting period.

No	Environmental Outcome	Environmental Performance Standard	Compliant	Evidence
48.		<ul style="list-style-type: none"> CO-2: >60% of addressable spend² to be from NT businesses. 	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<ul style="list-style-type: none"> No regulated activities have commenced under this EMP during this reporting period.
Cultural Heritage and Sacred Sites				
49.	No significant impact on sacred sites and environmental values as a result of [Tamboran's] exploration activities.	<ul style="list-style-type: none"> CH-1: No non-compliances with Native Title Holder Exploration Agreements and AAPA certificate conditions.. 	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<ul style="list-style-type: none"> No regulated activities have commenced under this EMP during this reporting period.
50.		<ul style="list-style-type: none"> CH-2: No breaches of Native Title holders Exploration Agreements. 	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<ul style="list-style-type: none"> No regulated activities have commenced under this EMP during this reporting period.
51.	Protection of culture and heritage.	<ul style="list-style-type: none"> Native Title holders are actively engaged on [Tamboran's] work program, including understanding of [Tamboran's] current and future exploration activities. 	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<ul style="list-style-type: none"> No regulated activities have commenced under this EMP during this reporting period.

² Addressable spend is defined as a service or material that can be reasonably provided by an NT business at similar quality, timeliness and cost.

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),³ 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
52.	Code cl A.3.5	Geospatial information depicting areas cleared is to be provided to the Minister.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<ul style="list-style-type: none"> Surface disturbance areas and subsequent DXF files have not changed from those provided with EMP approved by the Minister on 14 November 2022. No regulated activities have been undertaken during the reporting period under this EMP.
53.	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 included in EMP. 2023-24 Annual Weed Monitoring completed. No regulated activities have been undertaken during the reporting period under this EMP.
54.	Code cl A.3.7(a)vi	The fire management plan developed as part of the EMP must provide for annual fire mapping to monitor changes to fire frequency in the relevant areas.	<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 occurred in 2021 and 2018, respectively. Refer annual fire mapping (Appendix A). No regulated activities have been undertaken during the reporting period under this EMP.
55.	Code cl A.3.9(c)	The rehabilitation plan requires progressive rehabilitation of significantly disturbed land	<input checked="" type="checkbox"/> Yes	<ul style="list-style-type: none"> A rehabilitation plan was submitted to DLPE in accordance with EMP approval.

³ Petroleum (Environment) Regulations 2016 (NT) sch 1, item 11(2).

No	Reference	Requirement	Compliant	Evidence
	Code cl A.3.9(e)	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 type="checkbox"/> No <input type="checkbox"/> N/A	<ul style="list-style-type: none"> No rehabilitation activities have occurred on the sites during the reporting period.
56.	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 type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<ul style="list-style-type: none"> No regulated activities have been undertaken during the reporting period under this EMP.
57.	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 type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<ul style="list-style-type: none"> No regulated activities have been undertaken during the reporting period under this EMP.
58.	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 type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<ul style="list-style-type: none"> No regulated activities have been undertaken during the reporting period under this EMP.

No	Reference	Requirement	Compliant	Evidence
59.	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"> No regulated activities have been undertaken during the reporting period under this EMP.
60.	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 type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<ul style="list-style-type: none"> No regulated activities have been undertaken during the reporting period under this EMP.
61.	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 regulated activities have been undertaken during the reporting period under this EMP.
62.	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"> No regulated activities have been undertaken during the reporting period under this EMP.
63.	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 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.
64.	Code cl D.5.9.2(c)	Emissions from exploration, well construction (including during flowback) and	<input type="checkbox"/> Yes <input type="checkbox"/> No	<ul style="list-style-type: none"> No regulated activities have been undertaken during the reporting period under this EMP.

No	Reference	Requirement	Compliant	Evidence
		workovers must be measured, and reports submitted.	<input checked="" type="checkbox"/> N/A	
65.	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"> No regulated activities have been undertaken during the reporting period under this EMP.
66.	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"> The Annual Emissions Management Report for the period 1 July 2023 to 30 June 2024 (Financial Year 24) submitted by 30 September 2024.
67.	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 3 years remaining before the next review.
68.	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 type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<ul style="list-style-type: none"> No regulated activities have been undertaken during the reporting period under this EMP.

No	Reference	Requirement	Compliant	Evidence
69.	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 type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<ul style="list-style-type: none"> No regulated activities have been undertaken during the reporting period under this EMP.
70.	Reg 35	A written report of all recordable incidents must be provided to DEPWS not later than 15 days after the 90 day reporting period (unless otherwise agreed).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	<ul style="list-style-type: none"> Quarterly reports were provided to DLPE by email as follows: <ul style="list-style-type: none"> Q4 2023 report provided 15/01/2024 Q1 2024 report provided 12/04/2024 Q2 2024 report provided 15/07/2024 Q3 2024 report provided 15/10/2024.
71.	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"> No regulated activities have been undertaken during the reporting period under this EMP.
72.	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"> No regulated activities have been undertaken during the reporting period under this EMP.
73.	Schedule 1, item 9(2)	Interest holders are required to conduct future engagement with stakeholders, in accordance with the description in the EMP.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<ul style="list-style-type: none"> No regulated activities have been undertaken during the reporting period under this EMP.
74.	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	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	<ul style="list-style-type: none"> No regulated activities have been undertaken during the reporting period under this EMP.

No	Reference	Requirement	Compliant	Evidence
		before commencement of construction, ⁴ drilling, or seismic surveys.		

⁴ 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	10	100% ^a
Not Compliant	0	0%
Not Applicable	64	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 checked="" 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	<i>Non-compliance with environmental performance standard?</i> <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> <i>If no, proceed to 4. Regulatory Reporting or Record Keeping</i>
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	<i>Environmental harm arising from non-compliance</i> <i>If yes, complete section below.</i> <i>If no, proceed to row 29.</i>
28	If yes, describe nature and scale of impact and actions to remediate and rehabilitate	-
29	If no, describe how determined no impact	-Site inspection identified a small area of wet ground. This was cleaned up, with monitoring of the leak detection system enacted.
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	<i>Non-compliance with regulatory reporting or record keeping?</i> <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> <i>If no, proceed to 5. Monitoring</i>
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	-

