# Annual Environmental Performance Report

EMP title	Beetaloo Sub-basin Velkerri 76 S2 Drilling, Stimulation and Well Testing Environment Management Plan (EMP) ORI5-4		
Unique EMP ID	ORI5-4.1		
EMP approval date	23 December 2019		
AEPR period 24 December 2023 – 23 December 2024			
Petroleum title number/s EP 76			

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 <u>Onshore Gas website</u>.

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
25/09/2024	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
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#### Annual Environmental Performance Report

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 Petroleum Act 1984	
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. 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 Velkerri 76 S2 Drilling, Stimulation and Well Testing Environment Management Plan (EMP) ORI5-4.1	
Unique EM	1P ID	ORI5-4	
EMP appro	oval date	23 December 2019	
AEPR perio	od	24 December 2023 - 23 December 2024	
Petroleum	title number/s	EP 76	
Regulation	22 Notices (insert mo	re rows if needed)	
Date Ackn	owledged	Scope	
-		ORI5-4.1 Regulation 22 Waterbores	
Regulation	Regulation 23 Notices (insert more rows if needed)		
Date Acknowledged N/A		N/A	
Location o	Location of Regulated Activity		
$\boxtimes$	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	No regulated activities were undertaken under this EMP, during the reporting period, nor are any proposed for the remaining month of the reporting period.		
	Gantt chart attached showing the period each regulated activity listed above was conducted		

<sup>&</sup>lt;sup>1</sup> Petroleum (Environment) Regulations 2016 (NT) sch 1, item 11.

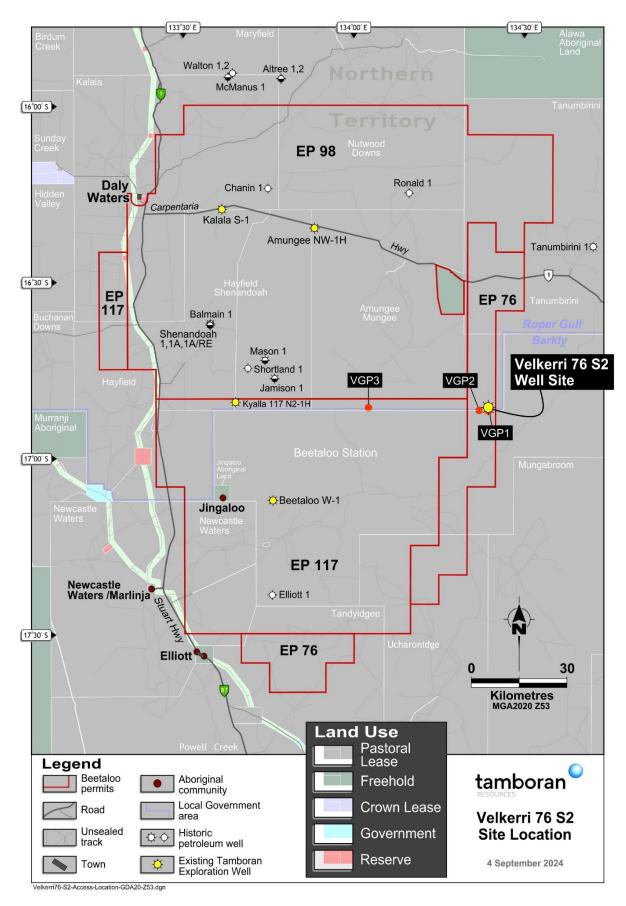


Figure 1: Velkerri 76 S2 site location

# 1.1. Sources of information to inform performance

Information evaluated to inform compliance status (check applicable sources)			
$\boxtimes$	Compliance with Ministerial approval conditions		
$\boxtimes$	Compliance with each environmental outcome and environmental performance standard within the approved EMP		
$\boxtimes$	Compliance with reporting requirements in accordance with the Code and Regulations		
$\boxtimes$	Recordable and reportable incidents within the reporting period, including root cause analysis and related corrective actions to prevent re-occurrence		
	Findings of regulatory inspections and audits within the reporting period and related actio 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)		
$\boxtimes$	Interest holder self-assessments of compliance, through daily and weekly inspections, as committed to in the EMP	
$\boxtimes$	Interest holder self-assessments of compliance, through internal audits, as committed to in the EMP	
	Interest holder self-assessments of compliance, through external audits conducted by third parties	
$\boxtimes$	Outcomes of inspections and/or audits conducted by the regulator	
$\boxtimes$	Spill register entries  Monitoring or other reports provided to DEPWS, the Department of Industry, Tourism and Trade (DITT) and other government agencies as required by the EMP  Outcomes of monitoring programs	
$\boxtimes$		
$\boxtimes$		
$\boxtimes$	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.	The Interest Holder must submit to DEPWS, an updated timetable for the regulated activity prior to the commencement of the activity and provide an updated timetable to DEPWS each month. The timetable must include dates for the implementation of commitments, development of key documents and associated hold points.	⊠ Yes □ No □ N/A	Monthly reports, which includes timetable, were provided to DEPWS on the following dates:  • 22/12/2023  • 30/01/2024  • 28/02/2024  • 28/03/2024  • 29/04/2024  • 31/05/2024  • 31/07/2024  • 31/08/2024.  Currently the Velkerri 76 S2 well site is demobilised and the horizontal drilling, HFS and well testing deferred, with only activity conducted on the site being routine maintenance of infrastructure.
2.	In addition to the minimum methane leak detection inspection frequencies required by the Code, the Interest holder must undertake methane leak detection within seven (7) days of commissioning equipment that is in hydrocarbon service and under pressure and record to an auditable standard.	□ Yes □ No ⊠ N/A	No regulated activities were undertaken under this EMP during the reporting period. The Velkerri 76 S2-1 E&A well was not in hydrocarbon services. As such condition 2 was not required.

No	Ministerial Condition	Compliant	Evidence
3.	The Interest Holder must provide to DEPWS an analysis of offsite disposal and beneficial use options, other than flaring, for liquid hydrocarbons if the combustion of liquid hydrocarbons at the flare exceeds an average of 5000 litres per day during the first month or following months of flaring.	□ Yes □ No ⊠ N/A	No regulated activities were completed under this EMP during the reporting period. The Velkerri 76 S2-1 E&A well was not stimulated or tested. As such condition 3 was not required.
4.	In the event of any accidental release (overflow, failure, spill or leak) to ground of flowback fluid wastewater that exceeds 200 litres, the interest holder must provide a written report to DENR within 24 hours after the incident was detected. The report must contain:  • Details of the incident specifying material facts, actions taken to avoid or mitigate environmental harm  • The corrective actions taken including the volume and depth of impacted soil removed for appropriate disposal if required; and  • Any correction actions proposed to be taken to prevent recurrence of an incident of a similar nature.	⊠ Yes □ No □ N/A	No flow back fluid was produced because Velkerri 76 S2-1 has not been stimulated to create flowback fluid wastewater.  No reportable incidents associated with accidental release to ground occurred at the Velkerri 76 S2 well site over the course of the exploration activities. Quarterly recordable incidents reports were provided to DEPWS as follows:  • Q4 2023 report provided 15/01/2023  • Q1 2024 report provided 12/04/2024  • Q2 2024 report provided 15/07/2024.  No reportable incidents were recorded for the site during the reporting period, as demonstrated by monthly reporting submitted to DEPWS on:  • 22/12/2023  • 30/01/2024  • 28/03/2024  • 29/04/2024  • 31/05/2024  • 31/07/2024  • 31/07/2024  • 31/08/2024.

No	Ministerial Condition	Compliant	Evidence
5.	The interest holder must provide DENR a fortnightly weather forecast for the risk of onset of wet weather for the duration of the regulated activity.	⊠ Yes □ No	No regulated activities were commenced or completed under this EMP during the reporting period.  However, monthly reporting is provided as per Ministerial condition
	□ N/A		1, which includes monthly and 3 monthly weather outlooks. This was agreed between the Operator and DEPWS on 21/01/2021.
6.	The interest holder must provide to DENR a cementing report for the surface casing (13 3/8") through the aquifers, as soon as practicable but not more than 14 days after completion of the cementing job for the Velkerri exploration well EP76 S2-1.	□ Yes □ No ⊠ N/A	No regulated activities were commenced or completed under this EMP during the reporting period.  The cement job on the Velkerri 76 S2-1 surface casing section was completed on the 29 August 2021. The cementing report was provided to DEPWS on the 10 September 2021.

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							
1.	<ul> <li>Avoid, minimise and control, soil erosion and discharge of sediment or soil into waterways or established drainage systems</li> <li>Minimise disturbance of soil, vegetation and drainage during site activities</li> <li>Minimise the creation of dust.</li> </ul>	<ul> <li>No vegetation clearing to be undertaken under EMP</li> <li>No incidence of erosion and sedimentation causing material environmental harm. 'Material environmental harm' is defined in section 117AAB(1) of the Petroleum Act and in section 7.7.1 of the plan.</li> <li>Areas left safe, stable and non-polluting</li> </ul>	⊠ Yes □ No □ N/A	<ul> <li>Actual land clearance of the Velkerri 76 S2 infrastructure is 7.09 ha confirmed via site surveying. This is specific to the well pad, wet weather laydown, camp pad, stockpile laydown and helipad.</li> <li>GIS surveyed data of disturbance submitted to DEPWS 07/09/2020.</li> <li>No surface disturbance has been completed at Velkerri 76 S2 during this reporting period.</li> <li>It is noted that the combined approved land disturbance for the Velkerri 76 S2 well site, access track and gravel pits consist of the following:         <ul> <li>Well pad and laydown 5.5 ha</li> <li>Camp pad 1.2 ha</li> <li>Helipad 0.5 ha</li> <li>Stockpile storage 0.2 ha</li> <li>2 km access track 2.9 ha</li> <li>3 existing gravel pits (9 ha</li> <li>Existing access tracks to Velkerri 76 S2 site (8 ha).</li> </ul> </li> </ul>			

No	Environmental Outcome	Environmental Performance Standard	Compliant	Evidence
				<ul> <li>Total disturbance of 27.3 ha of which 18.65 ha has been cleared to date.</li> <li>A current erosion and sediment control plan is in place for the site, including access tracks and gravel pits.</li> <li>Site stability inspections were completed in October 2023, December 2023, February 2024 and April 2024.</li> <li>The site remains stable, with no offsite impacts identified.</li> </ul>
2.	Prevent the contamination of soil to maintain the viability of soil resources	No incidences of contamination and erosion and sedimentation that result in material environmental harm.	⊠ Yes □ No □ N/A	<ul> <li>No regulated activities were undertaken during the reporting period.</li> <li>Tamboran's TRAC management system identified no recordable incidents occurred on this site during the reporting period.</li> <li>Quarterly recordable incidents reports were provided to DEPWS as follows:         <ul> <li>Q4 2023 report provided 15/01/2023</li> <li>Q1 2024 report provided 12/04/2024</li> <li>Q2 2024 report provided 15/07/2024.</li> </ul> </li> <li>No reportable incidents were recorded for the site during the reporting period, as demonstrated by monthly reporting submitted to DEPWS on:         <ul> <li>22/12/2023</li> <li>30/01/2024</li> </ul> </li> </ul>

No	Environmental Outcome	Environmental Performance Standard	Compliant	Evidence
				<ul> <li>28/02/2024</li> <li>28/03/2024</li> <li>29/04/2024</li> <li>31/05/2024</li> <li>20/06/2024</li> <li>31/07/2024</li> <li>31/08/2024.</li> </ul>
3.		<ul> <li>Return disturbed areas to a stable condition such that they are returned to a condition as close as practicable to the surrounding area (or pre-disturbance state) within an acceptable time frame</li> </ul>	□ Yes □ No ⊠ N/A	No regulated activities were undertaken during the reporting period.
4. 5.		<ul> <li>No offsite releases of wastewater.</li> <li>Zero onsite spills of wastewater &gt;2,500 L.</li> </ul>	□ Yes □ No ⊠ N/A	<ul> <li>No regulated activities were undertaken during the reporting period.</li> <li>Tamboran's TRAC management system identified no recordable incidents on this site during the reporting period relating to offsite releases of wastewater.</li> <li>Quarterly recordable incidents reports were provided to DEPWS as follows:         <ul> <li>Q4 2023 report provided 15/01/2023</li> <li>Q1 2024 report provided 12/04/2024</li> <li>Q2 2024 report provided 15/07/2024.</li> </ul> </li> </ul>

No	Environmental Outcome	Environmental Performance Standard	Compliant	Evidence
				<ul> <li>No reportable incidents were recorded for the site during the reporting period, as demonstrated by monthly reporting submitted to DEPWS on: <ul> <li>22/12/2023</li> <li>30/01/2024</li> <li>28/02/2024</li> <li>28/03/2024</li> <li>29/04/2024</li> <li>31/05/2024</li> <li>31/07/2024</li> <li>31/07/2024</li> <li>31/08/2024.</li> </ul> </li> </ul>
6.		Zero wastewater transport spills.	□ Yes □ No ⊠ N/A	<ul> <li>No regulated activities were undertaken during the reporting period.</li> <li>No transport of wastewater was undertaken during the reporting period. Tamboran's TRAC management system identified no recordable incidents on this site during the reporting period relating to wastewater transport.</li> </ul>
7.		Zero wastewater tank overtopping events.	□ Yes □ No ⊠ N/A	<ul> <li>No regulated activities were undertaken during the reporting period.</li> <li>Tamboran's TRAC management system identified no recordable incidents on this site during the reporting period relating to offsite releases of wastewater.</li> </ul>

No	Environmental Outcome	Environmental Performance Standard	Compliant	Evidence
				<ul> <li>Quarterly recordable incidents reports were provided to DEPWS as follows:</li> </ul>
				<ul> <li>Q4 2023 report provided 15/01/2023</li> </ul>
				<ul> <li>Q1 2024 report provided 12/04/2024</li> </ul>
				<ul> <li>Q2 2024 report provided 15/07/2024.</li> </ul>
				<ul> <li>No reportable incidents were recorded for the site during the reporting period, as demonstrated by monthly reporting submitted to DEPWS on: <ul> <li>22/12/2023</li> <li>30/01/2024</li> <li>28/02/2024</li> <li>28/03/2024</li> <li>29/04/2024</li> <li>31/05/2024</li> <li>31/07/2024</li> <li>31/08/2024</li> </ul> </li> </ul>
Surfa	Let Water and Groundwater Resourc	es .		
8.	Avoid and or minimise and control any potential contamination caused by the	No use of surface water	□ Yes	The use of surface water is not permitted under the Regulations or Water Act.
	discharge of sediment to waterways or established drainage systems.		⊠ N/A	

No	Environmental Outcome	Environmental Performance Standard	Compliant	Evidence
9.	Contain all potential contaminants for treatment or disposal.	No release of drilling and stimulation wastewater to watercourses or areas surrounding the lease pad	□ Yes □ No ⊠ N/A	<ul> <li>The Velkerri 76 S2 site remains in long term care and maintenance.</li> <li>No regulated activities have been undertaken at the site during the reporting period.</li> <li>All potential contaminants are contained on site as reported in the Weekly Well Sites Fluids Management emails issued to DEPWS.</li> </ul>
10.		No spills or releases of sediment to watercourses causing material environmental harm. 'Material environmental harm' is defined in section 117AAB(1) of the Petroleum Act and in section 7.7.1 of the plan.	⊠ Yes □ No □ N/A	<ul> <li>No regulated activities have been undertaken at the site during the reporting period.</li> <li>No spills have been reported during the reporting period as evidence by TRAC incident reporting system.</li> <li>Quarterly recordable incidents reports</li> </ul>
11.		No offsite releases of wastewater	⊠ Yes □ No □ N/A	were provided to DEPWS as follows:  O Q4 2023 report provided  15/01/2023  O Q1 2024 report provided
12.		• Zero onsite spills of wastewater >2,500 L	□ Yes □ No ⊠ N/A	12/04/2024 O Q2 2024 report provided 15/07/2024.
13.		Zero wastewater transport spills Environment Management Plan NT- 2050-15-MP-032 121.	□ Yes □ No ⊠ N/A	No wastewater transport offsite was undertaken during the reporting period.

No	Environmental Outcome	Environmental Performance Standard	Compliant	Evidence
14.		Zero wastewater tank overtopping events	□ Yes □ No ⊠ N/A	<ul> <li>There are no wastewater tanks on the Velkerri site.</li> <li>Tamboran's TRAC management system identified no recordable incidents on this site during the reporting period, relating to overtopping events.</li> </ul>
15.	<ul> <li>To manage exploration activities to prevent over- extraction of groundwater</li> <li>Preserve groundwater</li> </ul>	Groundwater take less than maximum permitted volume of 38 ML for the activity.	□ Yes □ No ⊠ N/A	No regulated activities have been undertaken at the site during the reporting period.
16.	quantity for livestock supplies (the surrounding water use)	No material impairment of any surrounding pastoralist extraction bores associated with Tamboran's activities. Impairment is defined as a 1 m drawdown in the static water level of the bore attributable to Tamboran's activities.	□ Yes □ No ⊠ N/A	No stimulation has been completed or is likely within 12 months - all groundwater monitoring considered baseline.
17.		No material change in quality attributed to Tamboran's stimulation activities at the surrounding impact monitoring bore. Material change is defined as a (>1 year) reduction of groundwater quality exceeding the ANZECC Guidelines for Livestock use.	□ Yes □ No ⊠ N/A	No regulated activities have been undertaken at the site during the reporting period.
Veget	ation, Flora, Fauna and Habitat	<u> </u>		

No	Environmental Outcome	Environmental Performance Standard	Compliant	Evidence
18.	Minimise disturbance to flora and fauna.	No unauthorised clearing of vegetation.	⊠ Yes □ No □ N/A	No regulated activities were undertaken during the reporting period.
19.	No disturbance to high conservation areas	No native flora or fauna impacts due to wastewater or chemical exposure.	□ Yes □ No ⊠ N/A	No regulated activities were undertaken during the reporting period.
20.	Avoid the introduction of weeds.	No introduction or spread of declared weeds resulting from Tamboran's activities.	⊠ Yes □ No □ N/A	A single juvenile rubber bush was identified on the access track during December 2023 monthly site inspection. Plant was sprayed.
21.	Avoid the spread of existing weeds.	Six-monthly weed inspections completed on all activity areasincluding camp and drill pads, access tracks, borrow pits.	⊠ Yes □ No □ N/A	<ul> <li>No other weeds were encountered on Velkerri 76 S2 well site during this reporting period.</li> <li>Weed inspections completed in October 2023, December 2023, February 2024 and April 2024.</li> </ul>
22.	Minimise impacts on soil, surface water, groundwater, sensitive habitat and air quality.	All waste volumes tracked whilst on-site and in transport.	⊠ Yes □ No □ N/A	<ul> <li>No regulated activities have been undertaken at the site during the reporting period.</li> <li>No waste currently stored on site as indicated by the site inspections during this reporting period (October 2023, December 2023, February 2024 and April 2024).</li> </ul>

No	Environmental Outcome	Environmental Performance Standard	Compliant	Evidence
23.	Minimise creation of food sources or habitat for pest species.	Waste transport certificates available for all wastes generated.	□ Yes □ No ⊠ N/A	No regulated activities have been undertaken at the site during the reporting period.
24.		No off-site releases of wastewater or waste products.		Tamboran's TRAC management system identified no recordable incidents on this
25.		Zero wastewater tank overtopping events.		site during the reporting period, relating to the off-site release of wastewater or waste products.
26.		• Zero onsite spills of wastewater >2,500 L to grade (compacted lease pad surface).		<ul> <li>Quarterly recordable incidents reports were provided to DEPWS as follows:</li> </ul>
27.		Zero wastewater transport spills.		<ul> <li>Q4 2023 report provided 15/01/2023</li> </ul>
28.		No material environmental harm resulting from spills. Material environmental harm' is defined in section 117AAB(1) of the Petroleum Act.	No material environmental harm resulting from spills. Material environmental harm' is defined in section 117AAB(1) of the  Petroleum Act.  □ No □ N/A	<ul> <li>Q1 2024 report provided 12/04/2024</li> <li>Q2 2024 report provided 15/07/2024.</li> <li>No reportable incidents were recorded for the site during the reporting period, as demonstrated by monthly reporting submitted to DEPWS on:  22/12/2023 30/01/2024 28/02/2024 28/03/2024 29/04/2024</li> </ul>

No	Environmental Outcome	Environmental Performance Standard	Compliant	Evidence
				<ul> <li>31/05/2024</li> <li>20/06/2024</li> <li>31/07/2024</li> <li>31/08/2024.</li> </ul>
29.	Minimise environmental nuisance at sensitive receptors	No valid complaints regarding dust / air quality resulting from Tamboran's activities.	□ Yes □ No ⊠ N/A	No regulated activities were undertaken during the reporting period.
30.	Minimise greenhouse gas emissions.	All complaints responded to and, where appropriate, corrective action taken.	□ Yes □ No ⊠ N/A	No regulated activities have been undertaken at the site during the reporting period.
31.	Manage activities in accordance with occupational health and safety guidelines for outcomes noise, vibration and light exposure	All complaints responded to and, where appropriate, corrective action taken.	□ Yes	No regulated activities have been undertaken at the site during the reporting period.
32.	<ul> <li>Minimise nuisance noise and vibration impacts on surrounding communities or exploration workers</li> <li>Minimise disruption to fauna and stock.</li> </ul>		□ No ⊠ N/A	
33.	<ul> <li>Minimise the risk of causing bushfires from Tamboran's activities.</li> <li>Minimise impacts on environmental habitat and</li> </ul>	No uncontrolled fires occurring as a result of exploration works.	⊠ Yes □ No □ N/A	<ul> <li>No regulated activities were undertaken under this EMP during the reporting period, 24 December 2023 – 23 December 2024, nor are there any proposed.</li> </ul>

No	Environmental Outcome	Environmental Performance Standard	Compliant	Evidence
	<ul> <li>fauna, soil erosion, impacts on stakeholders, impacts on culturally significant sites, public infrastructure and community lands.</li> <li>Ensure proper health and safety plan for activities.</li> <li>Prevent accidental fire risk and ensure safe storage of chemicals to prevent fire damage.</li> <li>Minimise the risk of causing bushfires from Tamboran's activities.</li> </ul>			<ul> <li>No uncontrolled fires during reporting period from Tamboran activities.</li> <li>Annual fire frequency report to be provided to at end of September 2024.</li> <li>NAFI 2024 data indicates that the nearest fire recorded in the vicinity of Velkerri 76 S2, occurred approximately 11 km to the north-west on EP 98 in 2022.</li> </ul>
Cultu	ral Heritage and Sacred Sites			
34.	<ul> <li>Avoid disturbance or damage to Aboriginal cultural heritage artefacts or sacred sites.</li> <li>Minimise impacts and disruption to activities of Indigenous stakeholders in culturally significant areas.</li> <li>Ensure adequate background information and training is provided to employees and contractors working in culturally significant areas.</li> <li>Ensure that the health and safety of employees,</li> </ul>	<ul> <li>No unauthorised activities within or access to a Restricted Work Area.</li> <li>No non-compliances with AAPA certificate conditions.</li> </ul>	⊠ Yes □ No □ N/A	<ul> <li>No regulated activities were undertaken under this EMP during the reporting period, 24 December 2023 - 23 December 2024, nor are there any proposed.</li> <li>All activities completed at Velkerri 76 S2 were within AAPA approved areas.</li> </ul>

No	Environmental Outcome	Environmental Performance Standard	Compliant	Evidence
	contractors and the community is not compromised through management of cultural and environmental awareness.			
Comr	munity			
35.	<ul> <li>Minimise impacts on the local community and services.</li> <li>Minimise safety risks to the public and other third-parties.</li> <li>Maintain and enhance partnerships with the local</li> </ul>	All complaints are responded to and closed out.	⊠ Yes □ No □ N/A	<ul> <li>No regulated activities were undertaken under this EMP during the reporting period, 24 December 2023 – 23 December 2024, nor are there any proposed.</li> <li>Activities on Velkerri 76 S2 are currently suspended.</li> </ul>
36. '	community, including using local contractors and maximising opportunities for local employment and training.  • Minimise reduction in the capacity of road infrastructure  • Minimise safety risks to the tourists and other road users  • Maintain the level of surface for the Stuart Highway in the vicinity of activities	>60% of addressable spend provided to NT businesses (addressable spend is defined as material and services where an NT service provider exists and is capable of providing the goods and services required).	⊠ Yes □ No □ N/A	No regulated activities were undertaken during the reporting period.

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),<sup>2</sup> 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.	⊠ Yes □ No □ N/A	<ul> <li>GIS data of disturbance submitted to DEPWS in accordance with EMP approval.</li> <li>Velkerri 76 disturbance imagery provided to DEPWS FTP site on 18/06/2020.</li> <li>Spatial data submitted again to DEPWS on 6 March 2024, as part of a DEPWS clearing audit request.</li> </ul>
2.	Code cl A.3.6 (b)	Weed management plan developed as part of the EMP must provide for ongoing weed monitoring.	⊠ Yes □ No □ N/A	<ul> <li>Weed management plan implemented, with 6 monthly weed monitoring completed, when site access is available.</li> <li>Weed monitoring completed October 2023 due to access constraints in April 2024. The 2023 - 24 Annual Weed Survey report to be submitted to DEPWS in December 2024.</li> <li>Overall, the weed management plan has continued to be implemented across all the site in accordance with the relevant conditions of the environmental approvals for the Beetaloo exploration program.</li> <li>A post wet season site visit in April 2024, indicated that the site remains free of declared weeds.</li> </ul>

<sup>&</sup>lt;sup>2</sup> Petroleum (Environment) Regulations 2016 (NT) sch 1, item 11(2).

No	Reference	Requirement	Compliant	Evidence
3.	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.	⊠ Yes □ No □ N/A	<ul> <li>Fire Management Plan implemented.</li> <li>Annual fire mapping to be provided end September 2024.</li> <li>NAFI fire scars provided as Appendix A showing no fires have occurred near the Velkerri 76 S2 well site during this reporting period.</li> </ul>
4.	Code cl A.3.9(c) Code cl A.3.9(e)	The rehabilitation plan developed as part of the EMP 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.	⊠ Yes □ No □ N/A	<ul> <li>A rehabilitation plan was submitted to DEPWS in accordance with EMP approval.</li> <li>No rehabilitation activities have occurred on site during the reporting period.</li> <li>In future rehabilitation of the Velkerri 76 S2 well site, access tracks and gravel pits will be subject to currently approved / active EMPs:         <ul> <li>Beetaloo Multi-well EMP (ORI10-3.5) following acknowledgement from DEPWS on the Reg 22 notice.</li> <li>Updated rehabilitation plan prepared as part of the Reg 22 notice for Velkerri 76 S2 well site and gravel pits.</li> </ul> </li> </ul>
5.	Code cl B.4.13.2(c)	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):  a) total volume of hydraulic fracturing fluid pumped,  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	□ Yes □ No ⊠ N/A	No well hydraulic fracturing activities were completed during the reporting period.

No	Reference	Requirement	Compliant	Evidence
		water source is used for multiple stages), and c) typical and maximum concentrations of chemicals or other substances used.		
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.	□ Yes □ No ⊠ N/A	No exploration activities completed under this EMP.
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.	□ Yes □ No ⊠ N/A	No exploration activities completed under this EMP.
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.	□ Yes □ No ⊠ N/A	No exploration activities completed under this EMP.
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.	⊠ Yes □ No □ N/A	<ul> <li>All water monitoring bore completion reports have been submitted to DEPWS, including initial water quality data post completion.</li> <li>Groundwater monitoring has been completed in accordance with the Preliminary guidelines for groundwater monitoring bore for exploration petroleum wells in the Beetaloo Sub-basin.</li> </ul>

No	Reference	Requirement	Compliant	Evidence
				<ul> <li>Stimulation has not been undertaken and is not currently planned for this site in the next 12 months; with all bores considered baseline.</li> <li>Water extraction levels reported and submitted to DEPWS at least monthly via WALAPs.</li> </ul>
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.	□ Yes □ No ⊠ N/A	<ul> <li>The approved EMP includes a WWMP and SMP.</li> <li>No regulated activities have been undertaken during the reporting period under this EMP.</li> </ul>
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	□ Yes □ No ⊠ N/A	No exploration activities or waste streams have been generated for the regulated activities under this EMP.
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.	□ Yes □ No ⊠ N/A	Wastewater management plan includes a monitoring program to detect impacts from wastewater storages on fauna and human receptors.
13.	Code D.4.3.2(f)	A written report detailing the levels of methane measured, the duration of the unusual readings and the results of the investigation (including remedial actions) must be submitted within one month of the significantly higher-level methane event being detected.	□ Yes □ No ⊠ N/A	Not applicable to the scope of this AEPR. This condition is associated with production and not exploration.

No	Reference	Requirement	Compliant	Evidence
14.	Code cl D.5.9.2(c)	Emissions from exploration, well construction (including during flowback) and workovers must be measured, and reports submitted.	⊠ Yes □ No □ N/A	<ul> <li>The annual emissions report to be supplied to DEPWS by end of September 2024.</li> <li>No exploration well drilling or hydraulic fracture stimulation activities completed under this EMP during this reporting period.</li> </ul>
15.	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.	□ Yes □ No ⊠ N/A	The regulated activities within the EMP do not include downstream operations.
16.	Code D.6.2(a)	Reports of baseline assessments must be submitted at the conclusion of each field campaign.	□ Yes □ No ⊠ N/A	CSIRO completed baseline assessments through DITT.
17.	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.	⊠ Yes □ No □ N/A	<ul> <li>The annual emissions report to be supplied to DEPWS by end of September 2024.</li> <li>No exploration well drilling or hydraulic fracture stimulation activities completed under this EMP.</li> </ul>
18.	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.	⊠ Yes □ No □ N/A	<ul> <li>Regulated activities under the Velkerri 76 S2 DST EMP (ORI5-4.1) are being transferred under a Reg 22 notification to the Beetaloo Multi-well EMP (ORI10-3.6).</li> <li>All other regulated activities on Velkerri 76 S2 are still in force under the following EMP:         <ul> <li>Beetaloo Multi-well EMP (ORI10-3.6)</li> </ul> </li> <li>The Velkerri 76 S2 DST EMP is to be closed by December 2024.</li> </ul>

No	Reference	Requirement	Compliant	Evidence
19.	Reg 22	Interest holder must provide notice to DEPWS to modify a current EMP regulated activity to which the plan relates in a manner that will not require a revision of the plan.	⊠ Yes □ No □ N/A	A regulation 22 notification has been submitted to DEPWS to transfer the remaining regulated activities of Velkerri 76 S2 DST EMP (ORI5-4.1) under the Beetaloo Multi-well EMP (ORI10-3.6).
20.	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.	⊠ Yes □ No □ N/A	No reportable incidents have been recorded.
21.	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.	⊠ Yes □ No □ N/A	No reportable incidents have been recorded.
22.	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).	⊠ Yes □ No □ N/A	No recordable incidents reported. Quarterly reports were provided to DEPWS by email as follows:  • Q4 2023 report provided 15/01/2023  • Q1 2024 report provided 12/04/2024  • Q2 2024 report provided 15/07/2024.
23.	Reg 37A	A report about flowback fluid from hydraulic fracturing must be provided to the Minister within 6 months of the flowback occurring.	□ Yes □ No ⊠ N/A	No exploration well drilling or hydraulic fracture stimulation activities completed under this EMP during reporting period.
24.	Reg 37B	A report about produced water from hydraulic fracturing must be provided to the	□ Yes □ No	No exploration well drilling or hydraulic fracture stimulation activities completed under this EMP during reporting period.

No	Reference	Requirement	Compliant	Evidence
		Minister within 6 months of the produced water being extracted.	⊠ N/A	
25.	Regulations Schedule 1, item 9(2)	Interest holders are required to conduct future engagement with stakeholders, in accordance with the description in the EMP.	⊠ Yes □ No □ N/A	<ul> <li>Land access agreements are in place covering all current and future activities.</li> <li>Engagement with each stakeholder is undertaken monthly, or at a higher/lower frequency depending on the level of activity being completed onsite.</li> </ul>
26.	Regulations 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 <b>before</b> commencement of construction, <sup>3</sup> drilling, or seismic surveys.	□ Yes □ No ⊠ N/A	<ul> <li>No regulated activities were undertaken under this EMP during the reporting period.</li> <li>Notification of the commencement of the activities was given to the Minister and the pastoralist.</li> </ul>
27.	Environment Protection Act 2019 (NT) div 8	Duty to notify the NT EPA as soon as practicable but within 24 hours of any incident which occurs which causes or threatens to cause material or significant environmental harm.	□ Yes □ No ⊠ N/A	<ul> <li>No incidents which could cause or threaten to cause material or significant environmental harm occurred during reporting period.</li> <li>No regulated activities were undertaken under this EMP, during the reporting period.</li> </ul>
28.	Waste Management and Pollution Control Act 1998 (NT) s 14	Duty to notify the NT EPA as soon as practicable but within 24 hours of any incident which occurs which causes or threatens to cause pollution resulting in material or significant environmental harm.	□ Yes □ No ⊠ N/A	<ul> <li>No incidents which could cause or threaten to cause material or significant environmental harm occurred during reporting period.</li> <li>No regulated activities were undertaken under this EMP, during the reporting period.</li> </ul>

<sup>&</sup>lt;sup>3</sup> 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	29	100%
Not Compliant	-	-
Not Applicable	32	N/A

## 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

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

Ov	erview 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	□ Yes	Administrative non-compliance
9	If yes, describe nature of non-compliance	-
10	Immediate corrective actions implemented	-
11	Future corrective actions to prevent reoccurrence	-
2.	Environmental outcomes	
12	☐ Yes ⊠ No	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
13	Outcome	-
14	Summary of non-compliance	-
15	Evidence used to detect non- compliance	-
16	□ Yes	Environmental harm arising from non-compliance
	⊠ No	If yes, complete section below.  If no, proceed to row 18.
17	If yes, describe nature and scale of impact and actions to remediate and rehabilitate	-
18	If no, describe how determined no impact	-
19	□ Yes	Administrative non-compliance
20	If yes, describe nature of non-compliance	
21	Immediate corrective actions implemented	
22	Future corrective actions to prevent reoccurrence	

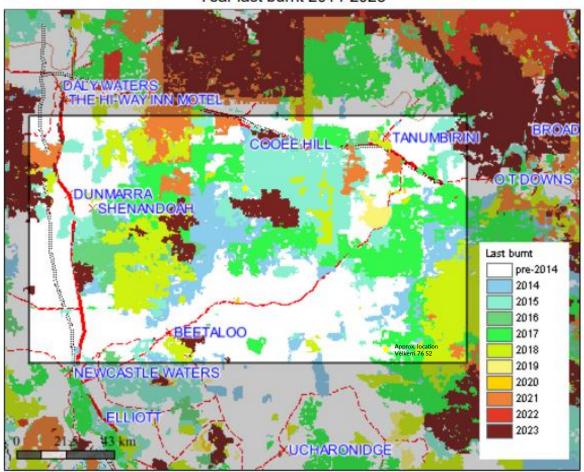
Ove	Overview of non-compliance			
3.	Environmental performance sta	ındards		
23	☐ Yes ⊠ No	Non-compliance with environmental performance standard?  If yes, complete the sections below. If more than one instance, copy the rows below for each environmental performance standard not complied with.  If no, proceed to 4. Regulatory Reporting or Record Keeping		
24	Environmental performance standard	-		
25	Summary of non-compliance	-		
26	Evidence used to detect non- compliance	-		
27	☐ Yes ⊠ No	Environmental harm arising from non-compliance If yes, complete section below. If no, proceed to row 29.		
28	If yes, describe nature and scale of impact and actions to remediate and rehabilitate	-		
29	If no, describe how determined no impact	-		
30	□ Yes	Administrative non-compliance		
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	☐ Yes ☑ No	Non-compliance with regulatory reporting or record keeping?  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.  If no, proceed to 5. Monitoring		
35	Reporting or recording requirement	-		
36	Summary of non-compliance	-		

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Overview of non-compliance		
37	Evidence used to detect non- compliance	-
38	Corrective actions implemented to improve reporting and record keeping	-
5. Monitoring		
39	□ Yes	Non-compliance with monitoring requirements?
	⊠ No	If yes, complete the sections below. If more than one instance, copy the rows below for each monitoring requirement not met.
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: 2014 - 2023 NAFI fire scars in the vicinity of Velkerri 76 S2 site

#### Year last burnt 2014-2023



The fire frequency(250m) Layer is derived from satellite imagery sourced from the Moderate Resolution Imaging Spectroradiometer (MODIS) on the NASA Terra satellite Spatial Resolution: 250m x 250m pixels (at Nadir).