



SEISMIC EXPLORATION PROGRAM EMP EP136 (SWP1-04.1) Annual Environmental Performance Report



SWEETPEA PETROLEUM PTY LTD
(a subsidiary of Tamboran Resources Limited)



Document Details

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Permit	EP 136
Interest holder details	Sweetpea Petroleum Pty Ltd c/- Tamboran Resources Ltd 110-112 The Corso Manly NSW 2095
Operator details	Sweetpea Petroleum Pty Ltd ABN: 42 074 570 879 (a wholly owned subsidiary of Tamboran Resources Ltd, ABN 28 135 299 062)
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Signature and certification

I hereby declare that the information provided in this annual environment performance report and accompanying documents is to the best of my/our knowledge, true and correct.	
Signature	Matt Kernke
Name	Matt Kernke
Position	Environment and Approvals Manager
Date	31 January 2023

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1. Introduction

The Northern Territory (NT) Petroleum (Environment) Regulations 2016 (the Regulations) include a requirement¹ for the interest holder to provide a report to the Minister on an annual basis that outlines the environmental performance of regulated activities. The Annual Environment 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). The report is to consider information required to be recorded, monitored or reported under the Regulations and any other law in force in the NT related to conduct of the regulated activity.

This AEPR covers the regulated activities approved under the *Seismic Exploration Program EP136 (SWP1-04.1) EMP*,² approved 2 November 2020. The AEPR covers the reporting period of the 3 November 2021 – 2 November 2022, as reported by Sweetpea Petroleum Pty Ltd (Sweetpea).

1.1 Acronyms and abbreviations

Table 1 Summary of acronyms and abbreviations

Acronym	Definition
AAPA	Aboriginal Areas Protection Authority
AEPR	Annual Environment Performance Report
CMS	Compliance management system
Code	Code of Practice: Onshore Petroleum Activities in the Northern Territory
DEPWS	Department of Environment, Parks and Water Security
DITT	Department of Industry, Tourism and Trade
EMP	Environment management plan
FTP	File Transfer Protocol
ha	hectare
NT	Northern Territory
Regulations	Petroleum (Environment) Regulations 2016

1.2 Background

The regulated activities that have been assessed under this AEPR are those covered under the *Exploration Program EP136 EMP*, approved 2 November 2020. Activities undertaken during the period include:

- preparation of 2D seismic lines for data recording (~84 km of 2D seismic completed on lines 6 – 12, inclusive on EP 136) – line clearing commenced 25 June 2022
- seismic data recording – acquired between 14 July 2022 – 21 July 2022
- progressive rehabilitation of seismic lines after data recording, carried out between 1 – 9 August 2022.

Location of the regulated activities is provided in Figure 1 and Figure 2.

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

² Modification notice submitted 21 September 2021.

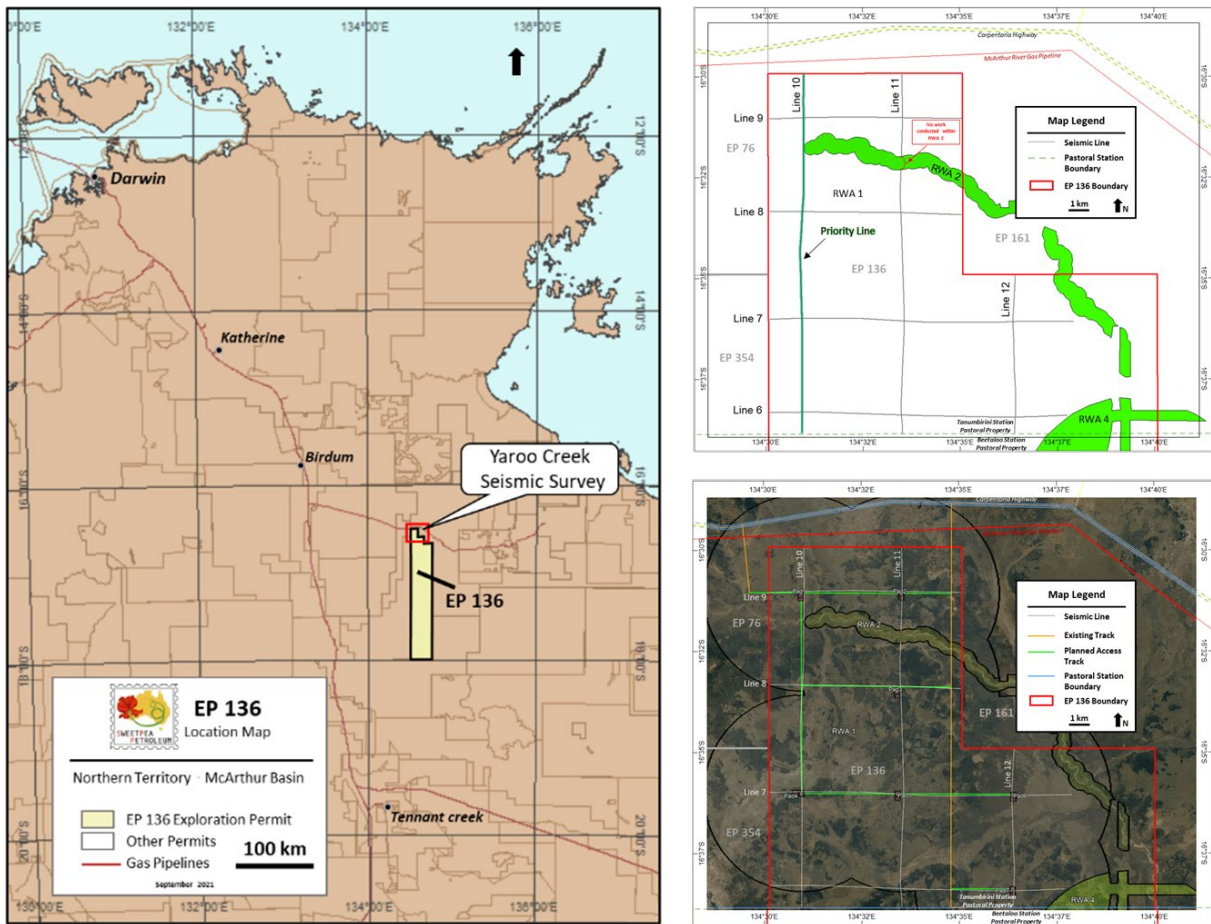


Figure 1 Seismic exploration program EMP location (EP 136)

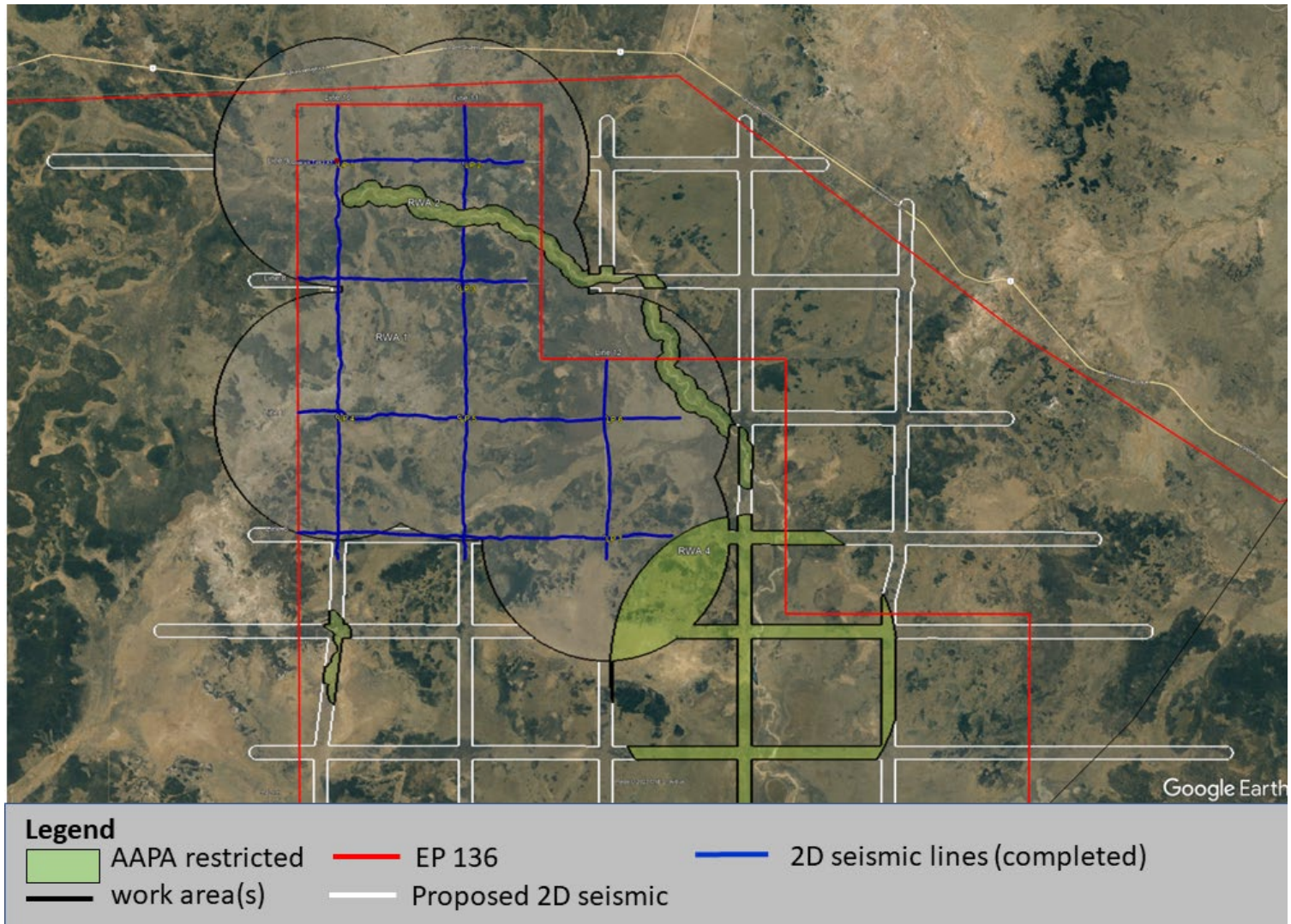


Figure 2 Completed 2D seismic program (blue) (~84 km)

1.3 Contents of performance report

This AEPR describes the environmental performance of the interest holder by evaluation of the following:

1. Compliance with Ministerial approval conditions, for the EMP.
2. Compliance with each environmental outcome and environmental performance standard within the approved EMP.
3. Compliance with reporting requirements in accordance with the Code and Regulations.
4. All recordable and reportable incidents, including root cause analysis and related corrective actions to prevent re-occurrence.
5. Findings of all regulatory inspections and audits and related actions to address any findings.

1.4 Assessment of compliance

Table 2 shows the compliance status indicators used in this AEPR which have been defined by the Department of Environment, Parks and Water Security (DEPWS).

Table 2 Compliance descriptors

Indicator	Description
Compliant	Compliant with requirement for entire 12-month reporting period
Not compliant	Interest holder did not comply with the requirement during the reporting period
Not applicable	Requirement not applicable during the reporting period

1.5 Evidence of compliance

The following sources of evidence are used to demonstrate compliance:

1. Internal monitoring of compliance by the interest holder.
2. Outcomes from regulatory inspection/s conducted by the DEPWS, Petroleum Operations.
3. Recordable and reportable incident reports submitted to DEPWS Petroleum Operations.
4. Reports provided to DEPWS, DITT and other government agencies.

2. Demonstration of Compliance

2.1 Ministerial condition compliance

Table 3 demonstrates Tamboran's compliance with Ministerial EMP approval conditions.

Table 3 Ministerial condition summary table

No	Ministerial condition	Compliance Status	Evidence
1	<p>The interest holder must submit to Department of Environment, Parks and Water Security (DEPWS)</p> <ol style="list-style-type: none"> i. an updated timetable (including time-bound commitments) for the regulated activity prior to commencement of the 	Compliant	<ol style="list-style-type: none"> i. Notification and timetable provided to DEPWS 17 June 2022. ii. Daily reports sent to DEPWS during August showing cleared / rehabilitated areas. iii. The regulated activity was undertaken during the dry

No	Ministerial condition	Compliance Status	Evidence
	<p>activity and each month thereafter,</p> <ul style="list-style-type: none"> ii. daily on-site reports indicating the status and progress of the groundwater bore installation and seismic surveys, kilometres of clearing per seismic line; and progressive rehabilitation completed, iii. a five-day activity forecast for the duration of the activity during the wet season (1 October - 30 April), iv. written notification of any halt to the activity due to early onset of the wet season, within 24 hours of the halt, and v. immediate notification of any fires potentially threatening the works. 		<p>season June – August 2022.</p> <ul style="list-style-type: none"> iv. Unseasonal rain events in July and August were recorded in daily reports submitted to DEPWS. v. No recordable or reportable incidents were recorded during this activity pertaining to fires. No notifications were made to DEPWS pertaining to potential fires.
2	<p>In the event of any accidental release (overflow, failure, spill or leak), to ground of contaminants that exceeds 200 litres, the interest holder must provide a written report to DEPWS Petroleum Operations within 24 hours of the incident being detected. The report must include:</p> <ul style="list-style-type: none"> i. details of the incident specifying material facts, actions taken to avoid or mitigate environmental harm, ii. the corrective actions taken including the volume and depth of impacted soil removed for appropriate disposal if required, and iii. any corrective actions proposed to be taken to prevent recurrence of an incident of a similar nature. 	Compliant	No recordable or reportable incidents were recorded during this activity from spills, that resulted in ground contaminants.

No	Ministerial condition	Compliance Status	Evidence
3	The interest holder must provide an annual report to DEPWS on its environmental performance, in accordance with item 11 (1)(b) in schedule 1 of the Petroleum (Environment) Regulations 2016. The first report must cover the 12-month period from the date of the approval, and be provided within three calendar months of the end of the reporting period. The annual environment performance report must align with the template prepared by DEPWS for this purpose and must include a signed declaration by the interest holder.	Compliant	The interest holder has prepared this AEPR for the reporting period 3 November 2021 – 2 November 2022, inclusive.
4	The rehabilitation plan forms part of the EMP. The interest holder must provide a status update to DEPWS, concurrent with submission of the annual environment performance report. The status update must include: <ul style="list-style-type: none"> i. auditable success criteria for rehabilitation and corrective actions in the event rehabilitation monitoring shows success criteria are not achieved, ii. an annual summary of progressive rehabilitation outcomes, and iii. be accompanied by geospatial files of all surface disturbance areas, including those under rehabilitation. 	Compliant	<ul style="list-style-type: none"> i. Auditable success criteria have not changed from those provided in the approved EMP, Appendix F. A revised rehabilitation plan is provided with this AEPR. ii. A progress report on the rehabilitation of seismic lines 6 – 12, inclusive was provided to DEPWS on 28 November 2022. Due to the activity only being completed in August 2022, it is too early to determine rehabilitation success. Tamboran will schedule a preliminary assessment between May – August 2023. iii. Geospatial files are provided with this AEPR. The KMZ file contains the planned lines and surveyed points.
5	For the avoidance of doubt, the interest holder must not undertake any regulated activity described in this EMP on land outside of EP136.	Compliant	There were no regulated activities undertaken during this reporting period outside of EP 136.

2.2 Environmental outcomes and performance standards

Table 4 provides a systematic overview of compliance with the environmental outcomes and environmental performance standards within the approved EMP.

Table 4 Environmental outcome and performance standard compliance summary

#	Environmental outcomes	Environmental Performance Standard	Compliance	Evidence
1	Land management <ul style="list-style-type: none"> No soil erosion and discharge of sediment or soil into waterways or established drainage systems. No new instances of erosion and sedimentation. No instances of residual soil contamination resulting from the regulated activity 	<ul style="list-style-type: none"> Vegetation disturbance and clearing minimised through planning of seismic line to use existing tracks where possible and avoiding large trees and shrubs. 	Compliant	<ul style="list-style-type: none"> All effort was made to minimise clearing and impacts. (Refer to the rehabilitation progress report provided to DEPWS on 28 November 2022.)
2		<ul style="list-style-type: none"> Spatial data before and after to be used to confirm program stayed within survey parameters. 	Compliant	<ul style="list-style-type: none"> GIS data of disturbance submitted to DEPWS with this AEPR. The KMZ file contains planned lines and surveyed points.
3		<ul style="list-style-type: none"> No evidence of active erosion within 12 months of works completion. 	Not applicable	<ul style="list-style-type: none"> A progress report on the rehabilitation of seismic lines 6 – 12, inclusive was provided to DEPWS on 28 November 2022. Due to the activity only being completed in August 2022, it is too early to determine rehabilitation success. Tamboran will schedule a preliminary assessment between May – August 2023.

#	Environmental outcomes	Environmental Performance Standard	Compliance	Evidence
4		<ul style="list-style-type: none"> No contaminated soil as a result of the project upon works completion. 	Compliant	<ul style="list-style-type: none"> No recordable or reportable incidents were recorded during this activity that resulted in contaminated soils.
5	Weed management <ul style="list-style-type: none"> The risk of exotic species and plant diseases being imported into or exported from the exploration permit area is avoided. 	<ul style="list-style-type: none"> No exotic species and plant diseases imported into or exported from the exploration area. 	Compliant	<ul style="list-style-type: none"> No recordable or reportable incidents were recorded during this activity that resulted in importation / exportation of exotic species or plant diseases.
6	<ul style="list-style-type: none"> The risk of spreading weeds within the seismic survey area is avoided. Where weeds are identified they are treated in accordance with Appendix I. 	<ul style="list-style-type: none"> No further spreading of declared weeds within the exploration area. 	Compliant	<ul style="list-style-type: none"> No recordable or reportable incidents were recorded during this activity that resulted in the spread of declared weeds within EP 136.
7		<ul style="list-style-type: none"> No introduction or spread of declared weeds resulting from Sweetpea's activities. 	Compliant	<ul style="list-style-type: none"> No recordable or reportable incidents were recorded during this activity that resulted in the introduction or spread of declared weeds within EP 136.
8	Bushfire Management <ul style="list-style-type: none"> No risk of bushfires as result of regulated activity. No impact to environmental habitat and fauna, culturally significant sites, public infrastructure and pastoral activities. Prevent accidental fire risk and ensure safe storage of chemicals to prevent fire damage 	<ul style="list-style-type: none"> No uncontrolled fires occurring because of exploration activities. 	Compliant	<ul style="list-style-type: none"> No uncontrolled fires occurred or were reported during the exploration activities.
9	Waste and Wastewater Management	<ul style="list-style-type: none"> All waste volumes tracked whilst on-site and in transport. 	Not applicable	<ul style="list-style-type: none"> Only incidental volumes of waste generated which were managed directly by seismic contractor.

#	Environmental outcomes	Environmental Performance Standard	Compliance	Evidence
10	<ul style="list-style-type: none"> No adverse impact on soil, surface water, groundwater, sensitive habitats and air quality No attraction to site by pest species from waste storage (i.e. food scraps) Waste generation to be reduced, reused through implementation of recycling efforts. 	<ul style="list-style-type: none"> No off-site releases of wastewater or waste products. 	Not applicable	<ul style="list-style-type: none"> No exploration well drilling, hydraulic fracturing or well testing activities were completed under this approval.
11		<ul style="list-style-type: none"> Zero wastewater tank overtopping events. 	Not applicable	<ul style="list-style-type: none"> No exploration well drilling, hydraulic fracturing or well testing activities were completed under this approval. No wastewater was generated under this EMP.
12		<ul style="list-style-type: none"> Zero onsite spills of wastewater. 	Not applicable	<ul style="list-style-type: none"> No exploration well drilling, hydraulic fracturing or well testing activities were completed under this approval. No wastewater was generated under this EMP.
13		<ul style="list-style-type: none"> Zero wastewater transport spills. 	Not applicable	<ul style="list-style-type: none"> No exploration well drilling, hydraulic fracturing or well testing activities were completed under this approval. No wastewater was generated under this EMP.
14	<p>Spill Prevention and Response</p> <ul style="list-style-type: none"> No impacts on soil, surface water, groundwater, sensitive habitat and air quality. No ground surface contamination or spill incidents 	<ul style="list-style-type: none"> No off-site releases of chemicals or hydrocarbons. 	Compliant	<ul style="list-style-type: none"> No offsite releases of hydrocarbons or chemicals were recorded under this EMP.
15		<ul style="list-style-type: none"> No accidental on-site release of chemicals or hydrocarbons. 	Compliant	<ul style="list-style-type: none"> No onsite releases of hydrocarbons or chemicals were recorded under this EMP.

#	Environmental outcomes	Environmental Performance Standard	Compliance	Evidence
16	<p>Noise, Vibration and Lighting Emissions</p> <ul style="list-style-type: none"> • Manage activities in accordance with occupational health and safety guidelines for noise, vibration and light exposure. • Minimise nuisance noise and vibration impact on surrounding communities or exploration workers. • Minimise disruption to fauna and stock. 	<ul style="list-style-type: none"> • Nuisance-related complaints investigated immediately. • Corrective action(s) will be recorded and taken where appropriate. 	Compliant	<ul style="list-style-type: none"> • No nuisance-related complaint were received during the regulated activity.
17	<p>Air Quality and Emissions</p> <ul style="list-style-type: none"> • Minimise environmental nuisance at sensitive receptors. • Minimise greenhouse gas emissions. 	<ul style="list-style-type: none"> • Nuisance-related complaints investigated immediately. • Corrective action(s) will be recorded and taken where appropriate. 	Compliant	<ul style="list-style-type: none"> • No nuisance-related complaint were received during the regulated activity.
18	<p>Vegetation, Flora, Fauna and Habitat</p> <ul style="list-style-type: none"> • No clearing outside the proposed seismic survey area and water bore drilling extent as result of activities. 	<ul style="list-style-type: none"> • No unauthorised clearing of vegetation within exploration area. 	Compliant	<ul style="list-style-type: none"> • No recordable or reportable incidents were recorded during this activity that resulted in unauthorised clearing of vegetation on EP 136.
19	<ul style="list-style-type: none"> • No disturbance to high conservation areas. • No significant impact to flora and fauna, including stock as result of the activities. 	<ul style="list-style-type: none"> • No riparian vegetation impacted when access creek and stream crossings. 	Compliant	<ul style="list-style-type: none"> • No recordable or reportable incidents were recorded during this activity that resulted in impacts to creek and stream crossings. • A break was implemented on Line 11 either side of restricted work area 2, to avoid impacts.

#	Environmental outcomes	Environmental Performance Standard	Compliance	Evidence
20		<ul style="list-style-type: none"> No introduction of weed species as result of exploration activities. 	Compliant	<ul style="list-style-type: none"> No recordable or reportable incidents were recorded during this activity that resulted in the introduction or spread of declared weeds within EP 136.
21		<ul style="list-style-type: none"> No native fauna or stock impacts (injury or fatality) reported. 	Compliant	<ul style="list-style-type: none"> No recordable or reportable incidents were recorded during this activity that resulted in native fauna or stock impacts.
22		<ul style="list-style-type: none"> Weekly inspection of temporary camp area does not indicate presence pest species. 	Not applicable	<ul style="list-style-type: none"> A temporary camp was not constructed for this activity. Personnel were accommodated at the camp that was constructed under the civil and water bore drilling EMP (SWP2).
23		<ul style="list-style-type: none"> Meet rehabilitation success criteria as detailed in Appendix F. 	Not applicable	<ul style="list-style-type: none"> A progress report on the rehabilitation of seismic lines 6 – 12, inclusive was provided to DEPWS on 28 November 2022. Due to the activity only being completed in August 2022, it is too early to determine rehabilitation success. Tamboran will schedule a preliminary assessment between May – August 2023.
24	Feral animal and other pest species <ul style="list-style-type: none"> No increase in the spread of existing feral animal and pest species as result of exploration activity. Prevent introduction of feral animals and pest species. 	<ul style="list-style-type: none"> No introduction of pest species detected. 	Compliant	<ul style="list-style-type: none"> No recordable or reportable incidents were recorded during this activity that indicated the introduction of pest species.
25		<ul style="list-style-type: none"> No observed pest presence (live or dead) 	Compliant	<ul style="list-style-type: none"> No recordable or reportable incidents were recorded during this activity that indicated the introduction of fauna pest species.

#	Environmental outcomes	Environmental Performance Standard	Compliance	Evidence
		individuals, scat traces, nesting sites).		
26		<ul style="list-style-type: none"> Weekly inspection of camp for pest presence. 	Not applicable	<ul style="list-style-type: none"> A temporary camp was not constructed for this activity.
27		<ul style="list-style-type: none"> No instances of putrescible waste found to be accessible by animals. 	Compliant	<ul style="list-style-type: none"> No recordable or reportable incidents were recorded during this activity that indicated accessibility to waste streams by fauna.
28		<ul style="list-style-type: none"> Rehabilitation efforts not hindered by feral animal or pest species using line for access. 	Not applicable	<ul style="list-style-type: none"> A progress report on the rehabilitation of seismic lines 6 – 12, inclusive was provided to DEPWS on 28 November 2022. Due to the activity only being completed in August 2022, it is too early to determine rehabilitation success. Tamboran will schedule a preliminary assessment between May – August 2023.
29	<p>Social Environment and Access</p> <ul style="list-style-type: none"> Ensure ongoing stakeholder and other regional engagement indicate no concerns regarding access to pastoral properties or impact on pastoral leaseholders activities. No formal complaint from local businesses or community resulting from the regulated activity. 	<ul style="list-style-type: none"> All complaints are responded to immediately and closed out. 	Compliant	<ul style="list-style-type: none"> No complaints were received during the activity from pastoralist. One concern was raised by Nurrdalinji traditional owners on 21 June 2022, regarding potential clearing through Newcastle Creek. This concern was addressed on 24/06/2022 by email, indicating that restricted work areas would be protected and that RWA2 finishes to the east of the proposed seismic line and access track. A follow-up meeting was

#	Environmental outcomes	Environmental Performance Standard	Compliance	Evidence
	<ul style="list-style-type: none"> Aboriginal employment records show commitments made to the NLC for Aboriginal employment have been met. No reports of trespass as a result of the works. No safety incidents occurring involving the public and other third parties. No impact on drawdown from neighbouring production bores. 			arranged on 18 July 2022, following AAPA routine inspection to confirm protection of heritage sites.
30		<ul style="list-style-type: none"> Attendance records of members present at training workshops. 	Compliant	<ul style="list-style-type: none"> Contractor induction record and register retained.
31		<ul style="list-style-type: none"> Employee register. 	Compliant	<ul style="list-style-type: none"> Contractor induction record and register retained.
32		<ul style="list-style-type: none"> Records of service hiring and goods purchases. 	Compliant	<ul style="list-style-type: none"> All records held by accounts payable. All services (weed inspections, site inspections, scouting, etc.) completed by local businesses.
33		<ul style="list-style-type: none"> Metered groundwater take for Q4 2020 is within estimated volumes of 630,000 L or 0.63 ML, well within the 5 ML allowance per year under the exemption. 	Compliant	<ul style="list-style-type: none"> Groundwater extraction was approved by DIPL to a volume of 100 m³/day from Bore RN039693 located within the road reserve. Water extraction from DIPL approved road reserve bore RN039693 was ~4.35 ML for the activity.
34	<p>Cultural Heritage and Sacred Site</p> <ul style="list-style-type: none"> No prohibited access to, or disturbance of, cultural heritage, inclusive of Sacred Sites, and Indigenous and non-Indigenous heritage sites. 	<ul style="list-style-type: none"> No unauthorised activities within or access to a Restricted Work Area or Sacred Sites. 	Compliant	<ul style="list-style-type: none"> No incidents were recorded during this activity leading to a non-compliance with restricted work areas, sacred sites AAPA certificate conditions or impacts to known archaeological sites.
35		<ul style="list-style-type: none"> No non-compliances with AAPA certificate conditions. 	Compliant	

#	Environmental outcomes	Environmental Performance Standard	Compliance	Evidence
36	<ul style="list-style-type: none"> No impact or disruption to activities of Indigenous stakeholders in culturally significant areas. Adequate background information and training provided to employees and contractors working in culturally significant areas. The health and safety of employees, contractors and the community is not compromised through management of cultural and environmental awareness. 	<ul style="list-style-type: none"> No unapproved impact to known archaeological sites. 	Compliant	<ul style="list-style-type: none"> A break was implemented on Line 11 either side of RWA2 to avoid impacts. Refer KMZ files.

2.3 Mandatory reporting requirements

Table 5 demonstrates compliance with reporting requirements in the Code and interest holder’s compliance with reporting requirements under the Regulations, schedule 1, item 11(2) – i.e. that all information to be recorded, monitored or reported has been provided. Where relevant, Tamboran has also confirmed that all records, monitoring or required reporting under the Regulations³ has been provided to DEPWS or the relevant NTG agency.

Table 5 Summary of mandatory reporting requirements

#	Reference	Requirement	Compliance Status	Evidence
1	Code A.3.5	Geospatial information depicting areas cleared is to be provided to the Minister.	Compliant	<ul style="list-style-type: none"> • GIS data of disturbance submitted to DEPWS with this AEPR. • The KMZ file contains planned lines and surveyed points. • Final survey data will be submitted upon review of the rehabilitation progress, when Tamboran schedules a preliminary assessment between May – August 2023.
2	Code A.3.6 (b)	Weed management plan developed as part of the EMP must provide for ongoing weed monitoring.	Compliant	<ul style="list-style-type: none"> • A weed inspection was undertaken by DEPWS with the report dated 29 July 2022. The site is covered by an approved weed management plan developed, which commits to 6 monthly weed monitoring. The last weed survey was completed in November 2022. • A weed management report will be submitted to DEPWS post wet season 2022-23.
3	Code 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.	Compliant	<ul style="list-style-type: none"> • Fire management plan implemented. • No uncontrolled fires occurred or were reported during the exploration activities. • Annual fire mapping is included with this report. No fires were recorded on the NAFI website as occurring in the vicinity of the 2D seismic program during 2022.

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

#	Reference	Requirement	Compliance Status	Evidence
4	Code A.3.9(c) Code 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.	Compliant	<ul style="list-style-type: none"> The rehabilitation of seismic lines was completed immediately post acquisition. Due to the activity only being completed in August 2022, it is too early to determine rehabilitation success. Tamboran will schedule a preliminary assessment between May – August 2023. A revised rehabilitation plan is provided with this AEPR.
5	Code 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	Not applicable	<ul style="list-style-type: none"> No exploration well drilling, hydraulic fracturing or well testing activities are approved under this EMP.

#	Reference	Requirement	Compliance Status	Evidence
		repeated if the same water source is used for multiple stages) and typical and maximum concentrations of chemicals or other substances used.		
6	Code 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.	Not applicable	<ul style="list-style-type: none"> No exploration well drilling, hydraulic fracturing or well testing activities are approved under this EMP.
7	Code 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 DPIR.	Not applicable	<ul style="list-style-type: none"> No exploration well drilling, hydraulic fracturing or well testing activities are approved under this EMP.

#	Reference	Requirement	Compliance Status	Evidence
8	Code 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.	Not applicable	<ul style="list-style-type: none"> No exploration well drilling, hydraulic fracturing or well testing activities are approved 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.	Compliant	<ul style="list-style-type: none"> Groundwater monitoring has been completed in accordance with the Preliminary guidelines for groundwater monitoring bore for exploration petroleum wells in the Beetaloo sub-basin. Stimulation is not an approved activity under this EMP. Water extraction levels reported and submitted to DEPWS at least monthly via WALAPs.
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	Not applicable	<ul style="list-style-type: none"> No exploration well drilling, hydraulic fracturing or well testing activities are approved under this EMP.

#	Reference	Requirement	Compliance Status	Evidence
		Spill Management Plan.		
11	Code C.6.1(d)	Wastewater tracking documentation must be reported to the Minister at least annually in accordance with the framework provided in the EMP.	Not applicable	<ul style="list-style-type: none"> No exploration well drilling, hydraulic fracturing or well testing activities are approved under this EMP.
12	Code 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.	Not applicable	<ul style="list-style-type: none"> No exploration well drilling, hydraulic fracturing or well testing activities are approved under this EMP.
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-	Not applicable	<ul style="list-style-type: none"> This condition is associated with a larger field development program.

#	Reference	Requirement	Compliance Status	Evidence
		level methane event being detected.		
14	Code D.5.9.2(c)	Emissions from exploration, well construction (including during flowback) and workovers must be measured and reports submitted.	Not applicable	<ul style="list-style-type: none"> No hydraulic fracture stimulation or well testing activities are approved under this EMP.
15	Code 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.	Not applicable	<ul style="list-style-type: none"> No hydraulic fracture stimulation or well testing activities are approved under this EMP.
16	Code D.6.2(a)	Reports of baseline assessments must be submitted at the conclusion of each field campaign.	Not applicable	<ul style="list-style-type: none"> 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	Not applicable	<ul style="list-style-type: none"> The annual emissions report submitted to DEPWS on 19 September 2022, only covers activities that occurred between 1 July 2021 – 30 June 2022. Emissions for the 2D seismic activity undertaken between 25 June 2022 – 9 August 2022 will be reported in the next emissions reporting period: 1 July 2022 – 30 June 2023.

#	Reference	Requirement	Compliance Status	Evidence
		Government in accordance with this Code.		
18	Regulations 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.	Compliant	<ul style="list-style-type: none"> The EMP is still in force and has approximately 3 years remaining before the next review.
19	Regulations Reg 33	<p>DEPWS is notified of reportable incidents within 2 hours of the interest holder becoming aware of the incident, or within 2 hours of the incident occurring.</p> <p>A written report must be provided within 24 hours if the initial report was made orally.</p>	Compliant	<ul style="list-style-type: none"> No reportable incidents have been recorded.

#	Reference	Requirement	Compliance Status	Evidence
20	Regulations Reg 34	Reports on reportable incidents are to 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/clean-up of the affected area.	Compliant	<ul style="list-style-type: none"> No reportable incidents have been recorded.
21	Regulations 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).	Compliant	<p>Quarterly recordable incidents reports were provided as follows:</p> <ul style="list-style-type: none"> Q4 2021 report (ending December 2021) Q1 2022 report (ending March 2022) Q2 2022 report (ending June 2022) Q3 2022 report (ending September 2022) Q4 2022 report (ending December 2022)
22	Regulations Reg 37A	A report about flowback fluid from hydraulic fracturing must be provided to the Minister within 6 months of the flowback occurring.	Not applicable	<ul style="list-style-type: none"> No exploration well drilling, hydraulic fracturing or well testing activities are approved under this EMP.
23	Regulations Reg 37B	A report about produced water from hydraulic fracturing must be provided to the	Not applicable	<ul style="list-style-type: none"> No exploration well drilling, hydraulic fracturing or well testing activities are approved under this EMP.

#	Reference	Requirement	Compliance Status	Evidence
		Minister within 6 months of the produced water being extracted.		
24	Regulations Schedule 1, item 9(2)	Interest holders are required to conduct future engagement with stakeholders, in accordance with the description in the EMP.	Compliant	<ul style="list-style-type: none"> Land access agreements are in place covering all current and future activities. Stakeholder engagement with immediately affected parties is ongoing, with the frequency of the engagement dependent on the level of activity being completed onsite at a given point of time.
25	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 before commencement of activity.	Compliant	<p>Persons were notified as follows:</p> <ul style="list-style-type: none"> Minister – 17 June 2022 (via DEPWS) Pastoralist- Tanumbirini – 10 June 2022 via Zoom
26	<i>Environment Protection Act 2019 (NT) div 8</i>	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	Compliant	<ul style="list-style-type: none"> No incidents which could cause or threaten to cause material or significant environmental harm occurred during reporting period.
27	<i>Waste Management and Pollution</i>	Duty to notify the NT EPA as soon as practicable but within	Compliant	<ul style="list-style-type: none"> No incidents which could cause or threaten to cause material or significant environmental harm occurred during reporting period.

#	Reference	Requirement	Compliance Status	Evidence
	<i>Control Act 1998</i> (NT) s 14	24 hours of any incident which occurs which causes or threatens to cause pollution resulting in material or significant environmental harm		

3. Summary of Compliance

3.1 Overview of compliance

Table 6 provides a summary of the results of the compliance assessment against the EMP.

Table 6 Seismic Exploration Program EP136 EMP compliance summary

Compliance Indicator	Number	Percentage
Compliant	44	100%
Not Compliant	0	0%
Not Applicable	24	N/A

3.2 Overview of items found not compliant

The following sections describe:

- 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.

3.2.1 Ministerial approval conditions

3.2.1.1 Description

No non-compliances with Ministerial conditions were observed during the reporting period.

3.2.2 Environmental performance standards

3.2.2.1 Description

No non-compliance with an environmental performance standard was recorded during the reporting period.

3.2.3 Regulatory reporting

3.2.3.1 Description

No non-compliance with regulatory reporting requirements were recorded during the period.

3.3 Application of Lessons Learned Across Tamboran's Onshore Interests

Due to the limited nature of the activities, no material lessons learnt were generated during the reporting period.

Signature: *Matt Kernke*

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Sweetpea EP 136 seismic EMP AEPR 2022

Final Audit Report

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