



Report

Integrated Gas

BEETALOO BASIN GROUNDWATER MONITORING BORE INSTALLATION PROGRAM VELKERRI 76 S2 EP 76 Annual Environmental Performance Report

THE THREE WHATS

**What can go wrong?
What could cause it to go
wrong?
What can I do to prevent it?**

Groundwater monitoring bore program Velkerri 76 S2 EP 76: Annual Environment Report


Document Details

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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	
Name	Matt Kernke
Position	Approvals Manager-Growth Assets
Date	6/10/2022

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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 *Beetaloo Basin Groundwater Monitoring Bore Installation Program Velkerri 76 S2 Exploration Permit (EP) 76 EMP*, approved by the Minister on 10/07/2019.

The AEPR covers the following reporting period from the 11 July 2021 – 10 July 2022.

1.1 Acronyms and abbreviations

Table 1 Summary of acronyms and abbreviations

Acronym	Definition
AAPA	Aboriginal Area Protection Authority
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
FTP	File Transfer Protocol
ha	hectare
NT	Northern Territory
OCIS	Origin's Collective Intelligence System used for managing incident data
Regulations	Petroleum (Environment) Regulations 2016

1.2 Background

The regulated activities that have been undertaken during the reporting period and are assessed under this AEPR are as follows:

- Minor maintenance of the access track between the Hayfield Shenandoah and Velkerri 76 S2 lease pad
- Ongoing operation and minor maintenance of gravel pit 7 to support access track maintenance

A location of the regulated activities is provided in Figure 1.

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

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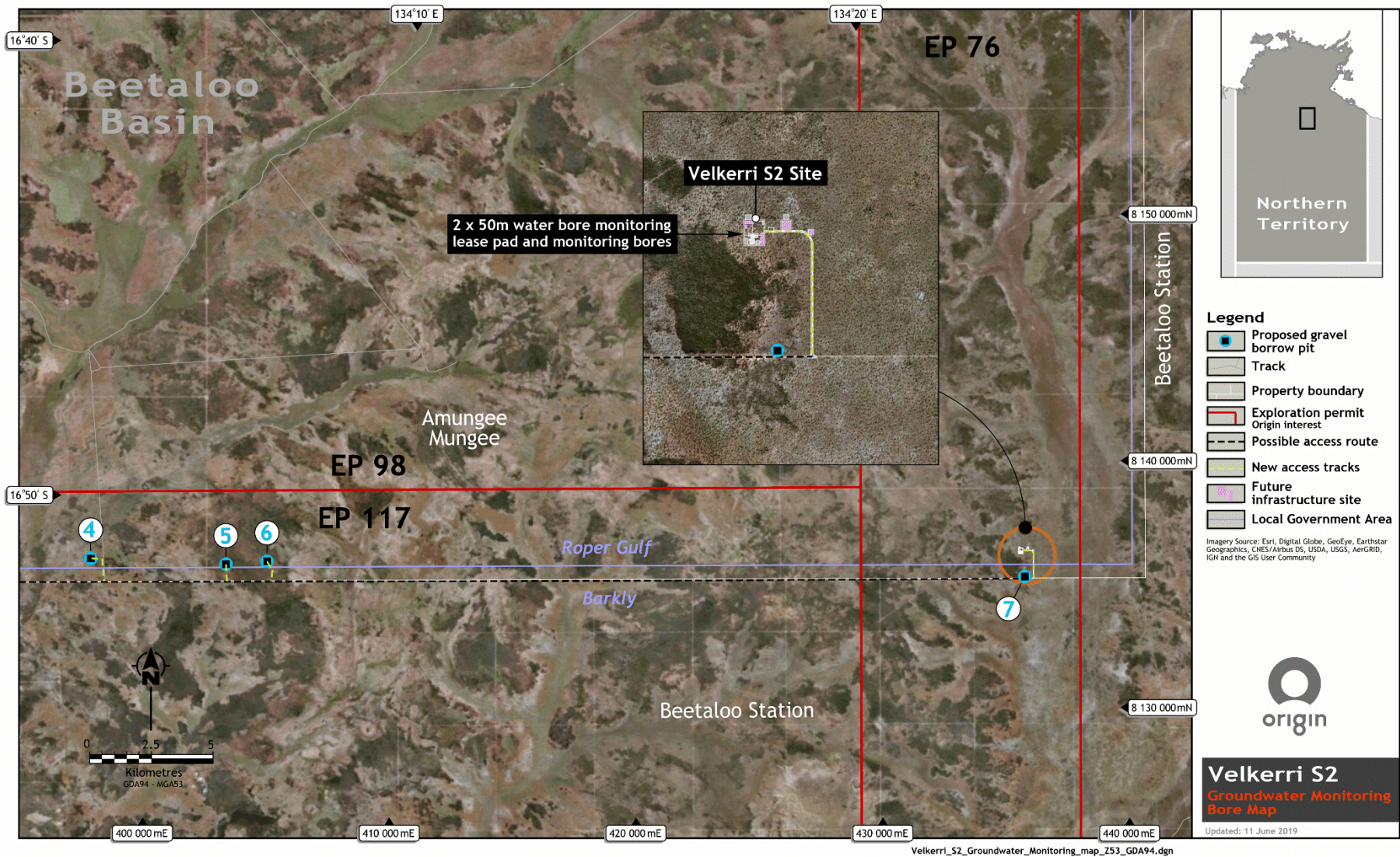


Figure 1 Beetaloo Sub-basin groundwater monitoring bore installation program Velkerri 76 S2

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1.3 Contents of performance report

This AEPR describes the environmental performance of Origin 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 tracking of compliance by Origin Energy through:
 - internal assurance audits, observations and incident reporting
 - routine inspections, as committed to in the EMP, as follows:
 - i. Wet surveys completed Aug/Sept 2021. Post wet season weed survey, completed in August 22.
 - ii. Routine construction site inspections with maintenance actioned as required
2. outcomes from regulatory inspections conducted by the DEPWS Petroleum Operations
3. recordable and reportable incident reports submitted to DEPWS Petroleum Operations
4. reports provided to DEPWS, the Department of Industry, Tourism and Trade (DITT) and other government agencies.

2. Demonstration of Compliance

2.1 Ministerial conditions compliance

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

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Table 3 Ministerial condition summary table

No	Ministerial condition	Compliance Status	Evidence
Beetaloo Basin Groundwater Monitoring Bore Installation Program- Velkerri 76			
2a	Water monitoring bores will be drilled and constructed by a water bore driller licensed under the Water Act and in accordance with the current version of the Minimum Construction Requirements for Water bores in Australia	Compliant	Water bores drilled by Allwell, with licenced driller DL0157. A statement of bore was submitted to the NT Water Resources division of DEPWS by Allwell drilling upon completion of the bore.
2b	The groundwater bore installation must be completed within 12 months from the date of this approval.	Compliant	A statement of bore was submitted to the NT Water Resources division of DEPWS by Allwell drilling upon completion of the bore. The Statement of bore demonstrates the drilling of bore was completed within the required timeframe.

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2.2 Environmental outcomes and performance standards

Table 4 provides a systematic overview of Origin Energy’s compliance with the environmental outcomes and environmental performance standards within the approved EMPs.

Table 4 Environmental outcome and performance standard compliance summary

Number	Environmental outcomes	Environmental Performance Standard	Compliance	Evidence
Beetaloo Basin Groundwater Monitoring Bore Installation Program- Velkerri 76				
1	<ul style="list-style-type: none"> Minimise disturbance to land and land use (including soils and terrain, flora and fauna). Protection of waterways. Avoid site contamination and remediate land areas disturbed by water bore drilling activities, including contaminated land. Optimise (in order of most to least preferable) waste avoidance, reduction, reuse, recycling, treatment and disposal and remove and disposal of regulated waste as soon as practicable to a licensed waste disposal facility or recycling facility. 	<ul style="list-style-type: none"> Land disturbance equal to or less than planned. 	Compliant	<ul style="list-style-type: none"> Areas of disturbance surveyed and pegged prior to clearing Total clearing levels for the Velkerri 76 S2 site were estimated at 2.7 ha, lower than the 17.9 ha approved limit. Disturbance confirmed through onsite surveying completed in May 2020. No additional disturbance completed during reporting period
2	<ul style="list-style-type: none"> 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. 	<ul style="list-style-type: none"> Minimum incidences of erosion and sedimentation occurring. 	Compliant	<ul style="list-style-type: none"> No material incidents of erosion and sediment control identified or recorded in Origin’s incident management system. Task observations completed by site supervisors identifying erosion and sediment hazards and controls Observation data available identifying maintenance required for minor erosion works.
3		<ul style="list-style-type: none"> Areas left safe, stable and non-polluting 	Compliant	<ul style="list-style-type: none"> Area has been incorporated into the main Velkerri 76 S2 N2 lease pad with no material incidents of erosion identified beyond normal operations.

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Number	Environmental outcomes	Environmental Performance Standard	Compliance	Evidence
4	<ul style="list-style-type: none"> Minimise impacts to groundwater and maintain surface and groundwater values. Minimise erosion and sedimentation of waters as a result of water bore drilling activities 	<ul style="list-style-type: none"> Water usage for civils and water bore drilling below 15.5ML 	Compliant	<ul style="list-style-type: none"> Water use for the groundwater monitoring bore installation program was estimated at 0.5 ML. All groundwater take was sourced from the Gum Ridge control bore RN41134, with all water take metered and reported to DEPWS.
5		<ul style="list-style-type: none"> No unacceptable decline in groundwater resources, as defined as a sustained (12 month+) drawdown of greater than 1m measured at the extraction point 	Compliant	<ul style="list-style-type: none"> Minimal usage of groundwater during reporting period. Groundwater levels recorded during monitoring do not indicate any material changes in water quality or level from water monitoring bore installation activities.
6		<ul style="list-style-type: none"> No release of site stormwater or wastewater exceeding baseline surface water quality 	Compliant	<ul style="list-style-type: none"> No releases offsite as the Velkerri 76 S2 site is fully bunded with all onsite stormwater retained within the sediment basin onsite. Wet season inspections did not identify releases from the sediment basin
7		<ul style="list-style-type: none"> No long-lasting change in soil and surface water quality from baseline conditions. 	Compliant	<ul style="list-style-type: none"> No incidents observed of spills or soil contamination or releases to surface water resulting from water bore drilling activities recorded in Origin's incident management system.
8		<ul style="list-style-type: none"> Stream and creek crossings disturbance minimised. 	Compliant	<ul style="list-style-type: none"> No construction in stream and creek crossings undertaken.
9	<ul style="list-style-type: none"> Minimise disturbance to flora and fauna. Minimise disturbance to sensitive areas. 	<ul style="list-style-type: none"> Monitoring bore lease located to minimise impacts to fauna habitat and sensitive vegetation 	Compliant	<ul style="list-style-type: none"> Monitoring bores located within scouted areas covered under the Land Condition Assessment. The surrounding vegetation communities are regionally extensive (open Corymbia Eucalypt

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Number	Environmental outcomes	Environmental Performance Standard	Compliance	Evidence
				woodland) with no impacts to sensitive flora or fauna recorded.
10		<ul style="list-style-type: none"> No native fauna impacts (injury or fatality) reported in OCIS during civil and water bore drilling related activities. 	Compliant	<ul style="list-style-type: none"> No incidents of fauna mortality associated with water bore drilling activities recorded in Origin's incident management system.
11		<ul style="list-style-type: none"> Security bond maintained until such time DPIR is satisfied remediation of site. 	Compliant	<ul style="list-style-type: none"> Security bond submitted to DITT 19/11/2018. Security bond is in place.
12		<ul style="list-style-type: none"> No loss of sensitive vegetation resulting from Origin's activities. 	Compliant	<ul style="list-style-type: none"> Monitoring bores located within scouted areas covered under the Land Condition Assessment. The surrounding vegetation communities are regionally extensive (open Corymbia Eucalypt woodland) with no impacts to sensitive flora or fauna recorded.
13	<ul style="list-style-type: none"> Avoid the introduction of weeds Avoid the spread of existing weeds 	<ul style="list-style-type: none"> No introduction or spread of declared weeds resulting from Origins activities 	Compliant	<ul style="list-style-type: none"> 6 monthly weed surveys completed. No weeds have been identified on the Velkerri 76 S2 water bore lease pads. Annual weed monitoring report provided to DEPWS in December 2021. Post wet season weed survey undertaken in August
14	<ul style="list-style-type: none"> To minimise impacts on soil, surface water, groundwater, sensitive habitat and air quality. To minimise creation of food sources or habitat for pest species. 	<ul style="list-style-type: none"> The absence of wastes remaining on site at completion of operations (i.e. general rubbish, waste chemicals, workshop wastes including oily rags, containers etc.). 	Compliant	<ul style="list-style-type: none"> All rubbish from the site was removed at the completion of water bore drilling, with the site incorporated into the larger Velkerri 76 S2 lease.

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Number	Environmental outcomes	Environmental Performance Standard	Compliance	Evidence
15	<ul style="list-style-type: none"> To minimise waste generation through reduce, reuse, recycle programs. 	<ul style="list-style-type: none"> Waste registers maintained for the duration of the project 	Compliant	<ul style="list-style-type: none"> Waste data reported to Origin in monthly HSE reports. No material listed waste produced during water bore drilling activity, with no equipment maintenance activities completed onsite. Any incidental listed waste (such as oily rags, batteries etc. that is of insufficient quantity for a listed waste contractor to be engaged) is backloaded Darwin and removed by the contractor's listed waste service provider once volumes are sufficient.
16		<ul style="list-style-type: none"> Pest species not encouraged to the site. 	Compliant	<ul style="list-style-type: none"> No incidents or observations recorded of wild dogs, cats, pigs or other pest species being present in the vicinity of Origin's activities recorded in Origin's incident management system.
17	<ul style="list-style-type: none"> Minimise environmental nuisance due to dust for sensitive receptors resulting from Origin's activities. Minimise greenhouse gas emissions 	<ul style="list-style-type: none"> Minimal complaints regarding dust/air quality. 	Compliant	<ul style="list-style-type: none"> No complaints received regarding dust/air quality from this activities recorded in Origin's incident management system.
18		<ul style="list-style-type: none"> Amicable resolution of complaints 	Not Applicable	<ul style="list-style-type: none"> No complaints received regarding dust/air quality from this activity recorded in Origin's incident management system.
19	<ul style="list-style-type: none"> Minimise the environmental nuisance for sensitive receivers as a result of civil and water bore activities, including Tourist visual amenity 	<ul style="list-style-type: none"> Minimal nuisance-related complaints received from sensitive receptors, including landowners 	Compliant	<ul style="list-style-type: none"> No complaints received regarding dust/air quality from this activity recorded in Origin's incident management system.
		<ul style="list-style-type: none"> Amicable resolution of complaints 	Not applicable	<ul style="list-style-type: none"> No complaints received regarding dust/air quality from this activity recorded in Origin's incident management system.

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Number	Environmental outcomes	Environmental Performance Standard	Compliance	Evidence
20	<ul style="list-style-type: none"> • Minimise the risk of causing bushfires from Origin's activities. • To minimise impacts on environmental habitat and fauna, soil erosion, impacts on stakeholders, impacts on culturally significant sites, public infrastructure and community lands. • To ensure proper health and safety plan for activities. • To prevent accidental fire risk and ensure safe storage of chemicals to prevent fire damage. 	<ul style="list-style-type: none"> • Successful fire management will be indicated by having no uncontrolled fires occurring as a result of civil works and water bore drilling activities. 	Compliant	<ul style="list-style-type: none"> • No incidents of fire resulting from groundwater monitoring bore installation recorded in Origin's incident management system.
21	<ul style="list-style-type: none"> • To avoid disturbance of or damage to Aboriginal or cultural heritage artefacts or Sacred Sites. • To minimise impacts upon or disruption to activities of Indigenous stakeholders in culturally significant areas. • To ensure adequate background information and training is provided to employees and contractors working in culturally significant areas. • To ensure that the health and safety of exploration workers and the community is not compromised through management of cultural and environmental awareness. 	<ul style="list-style-type: none"> • No incidences of disturbance of archaeological sites or sites of cultural significance, or if disturbance is required, an application to disturb is submitted and approved prior to disturbance 	Compliant	<ul style="list-style-type: none"> • All activities undertaken within AAPA approved areas.
22	<ul style="list-style-type: none"> • Minimise impacts upon environmental values of the local community. • Minimise impacts on cultural heritage. 	<ul style="list-style-type: none"> • An absence of issues arising, which have the potential to affect the work program, is a good indication of successful communications 	Compliant	<ul style="list-style-type: none"> • No complaints received from local community or determined Traditional Owners recorded in Origin's incident management system.

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Number	Environmental outcomes	Environmental Performance Standard	Compliance	Evidence
23	<ul style="list-style-type: none"> Minimise safety risks to the public and other third parties. Maintain and enhance partnerships with the local community, including using local contractors 	<ul style="list-style-type: none"> No unresolved reasonable complaints 	Compliant	<ul style="list-style-type: none"> No complaints received from local community or Traditional Owners recorded in Origin's incident management system.
24		<ul style="list-style-type: none"> An overall social and economic benefit as compared to perceived adverse impacts as derived from consultations with community advisory groups 	Compliant	<ul style="list-style-type: none"> All maintenance activities completed by local NT companies.
25		<ul style="list-style-type: none"> High level of satisfaction with complaint outcomes and complaint resolution processes. 	Compliant	<ul style="list-style-type: none"> No complaints received from local community or Traditional Owners recorded in Origin's incident management system.
26		<ul style="list-style-type: none"> Where suitable, include Aboriginal employment in the proposed program. 	Compliant	<ul style="list-style-type: none"> Aboriginal employment criteria utilised as part of the civil contract tender process. Local Aboriginal contractors with 100% Aboriginal employees are used for all inspections and minor site maintenance.

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2.3 Mandatory reporting requirements

Table 5 demonstrates Origin Energy's compliance with reporting requirements in the Code . Table 6 demonstrates Origin's compliance with reporting requirements under the Regulations, schedule 1, item 11(2), which requires all information required to be recorded, monitored or reported has been provided. Where relevant, Origin Energy confirms that all records, monitoring or required reporting under the Regulations² has been provided to DEPWS or the relevant NTG agency. This table summarises compliance for the EMP covered under this AEPR.

Table 5 Summary of Code mandatory reporting requirements

No#	Reference	Requirement	Compliance	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"> Velkerri 76 disturbance imagery provided to DEPWS FTP site on the 18/06/2020.
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"> Weed management plan developed, with 6 monthly weed monitoring completed. Weed management plan submitted to DEPWS 15/11/2018. Annual weed monitoring report provided to DEPWS in December 2021. Post wet season weed survey, scheduled for May 2022 did not occur due to rain issues and COVID. Results and reporting of the weed surveys undertaken in August in preparation.
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 fires reported. Annual fire mapping has been provided to DEPWS on the 17 December 2021 and 30 September 2022.
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	<p>Rehabilitation management plan developed and submitted to DEPWS 17/04/2020.</p> <p>The rehabilitation requirements are not applicable as all sites remain operational, with rehabilitation activities not undertaken to date.</p>

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

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No#	Reference	Requirement	Compliance	Evidence
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 repeated if the same water source is used for multiple stages) and typical and maximum concentrations of chemicals or other substances used.	Not Applicable	No exploration well drilling or hydraulic fracture stimulation activities completed.
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	No exploration well drilling or hydraulic fracture stimulation activities completed.
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	No exploration well drilling or hydraulic fracture stimulation activities completed.
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	No exploration well drilling or hydraulic fracture stimulation activities completed.
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	All water monitoring bore completion reports have been submitted to DEPWS, including initial water quality data post completion.
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.	Not Applicable	No wastewater from exploration well drilling or hydraulic fracture stimulation activities produced.

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No#	Reference	Requirement	Compliance	Evidence
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	No wastewater from exploration well drilling or hydraulic fracture stimulation activities produced.
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	No wastewater from exploration well drilling or hydraulic fracture stimulation activities produced.
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.	Not Applicable	Not applicable to the scope of the EMP.
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	No exploration well drilling or hydraulic fracture stimulation activities completed.
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	No exploration well drilling or hydraulic fracture stimulation activities completed.
16	Code D.6.2(a)	Reports of baseline assessments must be submitted at the conclusion of each field campaign.	Not Applicable	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.	Not Applicable	No exploration well drilling or hydraulic fracture stimulation activities completed

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Table 6 Summary of other mandatory reporting requirements

No#	Reference	Requirement	Compliance Status	Evidence
1	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	The EMP is still in force and has approximately 2 years remaining before the next review.
2	Regulations Reg 33	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. A written report must be provided within 24 hours if the initial report was made orally.	Not Applicable	No reportable incidents have been recorded.
3	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.	Not Applicable	No reportable incidents have been recorded.
4	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	Quarterly recordable incidents reports were provided as follows: <ul style="list-style-type: none"> Q3 2021 report provided 14/10/2021 Q4 2021 report provided 14/01/2022 Q1 2022 report provided 10/04/2022 Q2 2022 report provided 14/07/2022
5	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 or hydraulic fracture stimulation activities completed.
6	Regulations 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.	Not Applicable	<ul style="list-style-type: none"> No exploration well drilling or hydraulic fracture stimulation activities completed.

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No#	Reference	Requirement	Compliance Status	Evidence
7	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. Engagement with each stakeholder is undertaken on a monthly basis, or at a higher/lower frequency depending on the level of activity being completed onsite.
8	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 construction, drilling or seismic surveys.	Compliant	<p>The regulated activity commenced on the 12th of July 2019.</p> <p>Persons were notified as follows:</p> <ul style="list-style-type: none"> Minister –11/07/2019 Pastoralist- Amungee Mungee Station - 11/07/2019, via email and telephone
9	<i>Environment Protection Act 2019</i> (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	Not Applicable	No incidents which could cause or threaten to cause material or significant environmental harm occurred during reporting period.
10	<i>Waste Management and Pollution Control Act 1998</i> (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	Not Applicable	No incidents which could cause or threaten to cause material or significant environmental harm occurred during reporting period.

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3. Summary of Compliance

3.1 Overview of compliance

Table 7 provide a summary of the results of the compliance assessment against each of the EMP compliance requirements.

Table 7 Compliance summary groundwater monitoring bore installation program Velkerri 76 S2 EP76

Compliance Indicator	Number	Percentage
Compliant	34	100
Not Compliant	0	0%
Not Applicable	20	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

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

3.2.2 Environmental Performance Standards

3.2.2.1 Description

No non-compliance with performance standards were recorded during the reporting period.

3.2.3 Regulatory Reporting

No non-compliances with regulatory reporting requirements were identified during the reporting period.

3.3 Application of lessons learned across Origin's onshore interests

Due to the limited nature of the activities in these EMP, no lessons learnt were identified.