



ANNUAL ENVIRONMENTAL MINING REPORT

REPORTING PERIOD: 27 FEBRUARY 2024 TO 26 FEBRUARY 2025

MINING AUTHORISATION 1127-01

Document No: NRE-0000-H-RPT-N-0033 Rev 0

Project Name: Nolans Rare Earths Project

NdPr

REVISION HISTORY

17/04/2025	Rev 0	Issue for DLPE submission and public release	G. Calderon Environmental Scientist	Y. Smythe McGuinness S. Environmental Scientist	D. Jordan Environment Manager
Date	Revision	Description	Prepared	Reviewed	Approved

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ANNUAL ENVIRONMENTAL MINING REPORT 2025

OPERATER NAME: ARAFURA RARE EARTHS LIMITED

PROJECT NAME: NOLANS RARE EARTHS PROJECT

AUTHORISATION NUMBER: 1127-01

REPORTING PERIOD: 27 February 2024 to 26 February 2025

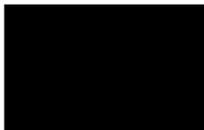
DATE REPORT PREPARED: 17 APRIL 2025

DISTRIBUTION: DEPARTMENT OF LANDS, PLANNING AND ENVIRONMENT (DLPE)

The Environmental Mining Report (EMR) must be endorsed by a senior representative of the company who has the appropriate level of delegation.

Declaration of Accuracy

I Tommie van der Walt, Chief Projects Officer declare that to the best of my knowledge the information contained in this Environmental Mining Report (EMR) is true and correct and all operational activities undertaken during the reporting period were in accordance with the Mining Management Plan approved under Mining Authorisation 1127-01, and subsequent Variation of Authorisation 1127-01, and in accordance with the relevant Local, Northern Territory and Commonwealth Government legislation.

Signed	
Full Name	Tommie van der Walt
Position	Chief Projects Officer
Organisation	Arafura Rare Earths LTD – ABN 22 080 933 455
Date	17/04/25

1.0 INTRODUCTION

Arafura Nolans Project Pty Ltd was granted Mining Authorisation 1127-01 for the Nolans Rare Earths Project (the Project) on 10 November 2022, and subsequent Variation of Authorisation 1127-01 was granted on 14 April 2023. Under Condition 27, Arafura is required to provide an Environmental Mining Report (EMR) – on or before 01 May each year.

Condition 27 of Variation of Authorisation 1127-01:

The Operator must submit on or before 1 May 2024 and on each anniversary of that date (or such other date as nominated by the Operator and approved by the Director), an Environmental Mining Report (EMR) covering the 12-month reporting period, agreed with the department. The EMR is to include, and is not limited to, reporting of performance against:

- a. the approved Water Management Plan; and*
- b. the approved Erosion and Sediment Control Plan, including confirmation by a suitable qualified and experienced auditor that the work has been undertaken in accordance with the approved ESCP.*

Based on the commencement of the action on 27 February 2023, it has been agreed with the department via an email submitted on 25 January 2024 that a 12-month reporting period will begin from the action's commencement date, with the report to be submitted by 1 May each year.

This report covers compliance with the approval conditions of the Variation of Authorisation 1127-01 and outlines environmental performance against the relevant Environmental Management Plans (EMPs) implemented during the reporting period. The relevant EMPs are shown in Table 1-2 below.

Implementation of the relevant EMPs during the reporting period consisted of baseline monitoring programs and general environmental management of the Project area, as no Project works occurred during the reporting period.

Once accepted by the Director, this EMR will be made public as required under Condition 29 of the Mining Authorisation. This will be published on the Arafura website: [here](#)

Condition 29 of the Mining of Mining Authorisation 1127-01:

The Operator is required to make the EMR public following acceptance by the Director.

1.1 Project and Operator Details

The Project will encompass a rare earths mine, process plant (comprising beneficiation, extraction and separation plants) and related infrastructure to be constructed and located at the Nolans Project site (the Project site). The Nolans site is located approximately 135 km northwest of Alice Springs, and approximately 10 km west of the Aileron Roadhouse in the Northern Territory (NT).

Arafura Nolans Project Pty Ltd and Arafura Rare Earths Limited are considered together within this document as the owner and operator of the Nolans Rare Earths Project (collectively referred to as the Company, or Arafura). Arafura is an Australian mineral exploration and development company focusing on Neodymium and Praseodymium (NdPr) rare earths, and this is their flagship Project. Arafura is

headquartered in Perth, Western Australia and was listed on the Australian Stock Exchange (ARU) in 2003. A summary of the Project and Operator details are presented in Table 1-1 below.

Table 1-1 Operator details

Operator Details	
Authorisation Number	Mining Authorisation 1127-01
Project Name	Nolans Rare Earths Project
Location	135 km northwest of Alice Springs, Northern Territory
Tenements	<p>Exploration Licence (EL): EL31957, EL31284, EL31224, EL29509, EL28498, EL28473.</p> <p>Mineral Leases (ML): ML26659, ML30702, ML30703, ML30704, ML32411, ML32412, ML32413, ML32414, ML32415, ML32416, ML33107.</p> <p>Access Authorities (AA): AA33279, AA33280, AA33281.</p> <p>Extractive Mineral Permits (EMP): EMP33078, EMP33079, EMP33080, EMP33081, EMP33082, EMP33083, EMP33084. EMP33085.</p>
Approval Holder	Arafura Nolans Project Pty Ltd
Approval Holder and Operator Details	<p><i>Previous Company Name:</i> Arafura Resources Limited <i>Current Company Name:</i> Arafura Rare Earths Limited</p> <p>ACN 080 933 455 - ABN 22 080 933 455</p> <p><i>Head Office:</i> Level 6, 432 Murray St Perth WA 6000 PO Box 5773 St Georges Terrace Perth WA 6831 T: +61 8 6370 2800 E: arafura@arultd.com</p>

1.2 Mining Management Plan Details

Table 1-2 outlines the approved EMPs under Mining Authorisation 1127-01 (granted 10 November 2022), included as appendices to the Mining Management Plan (MMP) Rev 2.1 (revision approved 14 April 2023), which is the currently approved version of the MMP.

Changes to the regulation of mining activities within the NT occurred during the reporting period. As of 1 July 2024, Arafura's existing Mining Authorisation 1127-01 became a deemed Environmental (Mining) Licence under the *Environment Protection Act 2019*, with the repeal of the *Mining Management Act 2001*. The existing conditions under Mining Authorisation 1127-01 apply to the deemed Environmental (Mining) Licence, until such time as a new licence application is required to be made.

The following changes to the approved EMPs were made during the reporting period:

- A revised version (Rev 4.0) of the Biodiversity Management Plan was approved by the federal regulator on 24 October 2024, under EPBC Approval 2015/7436 Variation of Conditions, with the same issue date. The revised version was subsequently submitted to the Department via email on 21 January 2025.

A redacted version of the approved BMP Rev 4.0 is available on Arafura's website: [here](#)

As specified in Section 1.0, this report summarises compliance with approval conditions in the Variation of Authorisation 1127-01 (now a deemed Environmental (Mining) Licence); and the MMP and other approved EMPs implemented during the reporting period, which are highlighted in blue in Table 1-2 below.

Table 1-2 Project Environmental Management Plans Approved under MMP Rev 2.1
Management Plans highlighted blue implemented as relevant to site activities during the reporting period

Document Number	Management Plan	Revision	Date Approved
NRE-0000-O-PLN-O-0001	Mining Management Plan (MMP)	Rev 2.1 / 31 March 2023	14 April 2023
ARMS-0000-H-PLN-N-0009	Weed Management Plan – (MMP, Appendix A)	Rev 1.0 / July 2022	10 November 2022
ARMS-0000-H-PLN-N-0005	Topsoil Management Plan – (MMP, Appendix AA)	Rev 2.0 / 09 September 2022	10 November 2022
ARMS-0000-H-PLN-N-0002	Biodiversity Management Plan – (MMP, Appendix B)	Rev 1.0 / July 2022	10 November 2022
		Rev 4.0 / May 2024	Under assessment
ARMS-0000-H-PLN-N-0001	Air Quality Management Plan – (MMP, Appendix C)	Rev 2.0 / 08 September 2022	10 November 2022
ARMS-0000-H-PLN-N-0007	Waste Management Plan (MMP, Appendix D)	Rev 1.0 / July 2022	10 November 2022
ARMS-0000-H-PLN-H-0002	Hazardous Substances Management Plan (MMP, Appendix E)	Rev 1.0 / July 2022	10 November 2022
ARMS-0000-H-PLN-N-0012	Erosion and Sediment Control Management Plan (MMP, Appendix F)	Rev 1.0 / July 2022	10 November 2022
ARMS-0000-H-PLN-I-0001	Cultural Heritage Management Plan – (MMP, Appendix G)	Rev 1.0 / July 2022	10 November 2022
ARMS-0000-H-PLN-W-0001	Social Impact Management Plan – (MMP, Appendix H)	Rev 1.0 / July 2022	10 November 2022
ARMS-0000-H-PLN-H-0001	Emergency Response Management Plan – (MMP, Appendix I)	Rev 3.0 / 20 September 2022	10 November 2022
ARMS-0000-H-PLN-N-0004	Noise and Vibration Management Plan – (MMP, Appendix J)	Rev 1.0 / July 2022	10 November 2022
NRE-0000-H-PLN-H-0004	Radiation Protection and Waste Management Plan (MMP, Appendix K)	Rev 1.0 / July 2022	10 November 2022
ARMS-0000-H-PLN-N-0013	Water Management Plan – (MMP, Appendix R)	Rev 1.0 / July 2022	10 November 2022
NRE-0000-A-PLN-G-0001	Territory Benefits Plan – (MMP, Appendix W)	Rev 0.0 / 30 October 2020	10 November 2022

2.0 PROJECT ACTIVITIES

No operational activities have occurred at the Project site since mid-October 2023, when early construction works ceased. No operational activities occurred during the reporting period. Activities undertaken on site were limited to security operations and environmental monitoring and management. Full construction and the resumption of mining activities will commence upon securing the necessary approvals and financing, following achievement of the Final Investment Decision (FID).

All activities undertaken on site were consistent with the activities and requirements of the approved MMP Rev 2.1. No non-compliance issues were identified within the reporting period. Compliance with the approval conditions of Variation of Authorisation 1127-01 is detailed within Table 3-1 below. Environmental performance against the EMPs implemented during the reporting period is detailed within Section 4.0 below.

3.0 COMPLIANCE

Table 3-1 below provides details of compliance with the conditions of Variation of Authorisation 1127-01.

Table 3-1 Compliance Table with the conditions of Variation of Authorisation 1127-01

Condition Number	Commitments and/or Conditions	Project Compliant with this Condition?	Evidence/ Comments
3.	<p>General Subject to any conditions contained in the Act and this schedule, the Operator must comply with the commitments and activities contained in the: a. MMP including the implementation of all systems referred to in the MMP; and b. Nolans Rare Earth Project Environmental Impact Statement.</p>	Compliant	<p>All activities were compliant with the commitments and activities as listed in the approved MMP Rev 2.1 and the EIS.</p> <p>Arafura has been working on fulfilling several commitments outlined in the MMP and EIS, particularly those related to the final designs of the processing plant, Waste Rock Dump, (WRD), Residue Storage Facility (RSF) and Dams, storage facilities, and Kerosene Camp Creek Diversion, including modelling and the development of supplementary studies.</p> <p>Other fulfilled commitments include obtaining the necessary heritage approvals required for the project.</p>
4	<p>General The operator may only conduct mining activities identified in the MMP within the site subject to any conditions contained in the Act, this schedule and the conditions commitments and systems contained in the MMP.</p>	Compliant	<p>All activities undertaken within the Project site were in accordance with activities approved in MMP Rev 2.1 and the relevant EMPs. No operational activities occurred during the reporting period.</p> <p>Arafura is currently undertaking baseline monitoring programs including groundwater, air quality, radiation, and biodiversity monitoring across the Project area, in accordance with the respective management plans. These activities are being conducted in addition to the extensive monitoring program previously completed as part of the Environmental Impact Statement (EIS).</p>



Condition Number	Commitments and/or Conditions	Project Compliant with this Condition?	Evidence/ Comments
			The monitoring programs will continue through the construction and operational phases of the project.
5	<p>General The operator must not cause disturbance in the site that is not detailed in Stages 1, 2 and 3 in appendix CC Annexure A of the MMP (Mine Closure Cost Estimate), until such time as further disturbance is assessed and approved.</p>	Compliant	No operational activities or disturbance occurred during the reporting period. All monitoring and site management activities undertaken were in accordance with the scope of works approved and for which security has been paid.
6	<p>General The operator is required to, in consultation with relevant authorities and agencies, take appropriate measures to protect sites of historical and cultural significance at all times.</p>	Compliant	<p>Environmental commitments related to heritage, community, and Traditional Owners, as outlined in the MMP, are ongoing. Arafura has commitments under the Sacred Sites Clearance Certificates (SSCCs) issued by the Central Land Council (CLC), and Authority Certificates issued by the Aboriginal Areas Protection Authority (AAPA). The SSCCs have been integrated into a main SSCC issued to the Nolans Project on 24 October 2024 as part of the updated Native Title Agreement (NTA), executed on 29 January 2025.</p> <p>Appropriate measures, as outlined in the SSCCs, Authority Certificates, and work approvals to carry out activities on a heritage place or object (the latter issued by the Heritage Branch prior to the commencement of disturbance activities for each stage), were implemented during the reporting period.</p> <p>Engagement with relevant authorities and consultation with Traditional Owners have been integral parts of this process.</p>

Condition Number	Commitments and/or Conditions	Project Compliant with this Condition?	Evidence/ Comments
7	<p>Mining Management Plan The operator must, on each anniversary of the date of this Authorisation (or such other date as nominated by the Operator and approved by the Minister), review the MMP and if necessary, amend the MMP.</p>	Compliant	<p>The MMP is revised annually on the anniversary of the issuance date of Mining Authorisation 1127-01 (November 11th), as outlined in this condition, or as otherwise required. As a result, the approved version (Rev 2.1) of the MMP is currently being updated to reflect the proposed staged operational activities. The revision also includes updated security calculations. A revised version of the MMP was submitted to the Department on 08 April 2024 and is currently under assessment.</p>
8	<p>Mining Management Plan The Operator may at any time review and if necessary, amend the MMP.</p>	Compliant	Same as Condition 7 above.
9	<p>Mining Management Plan Each time the Operator amends the MMP, the Operator must submit the MMP to the Minister for approval and when doing so, the Operator must clearly identify the MMP amendments.</p>	Compliant	As noted in Condition 7 above, the revised version of the MMP was submitted to the Department on 08 April 2024 for approval. All changes have been clearly outlined within an amendment table at the start of the document to allow for easy identification, as outlined in this condition.
10	<p>Mining Management Plan On or before 14 days from the date of this Authorisation and within 14 days of the date of approval of any subsequent amendment to the MMP the Operator must make the MMP available to the public.</p>	Compliant	The currently approved version of the MMP is Version 2.1, which is publicly available on the Arafura website: here
11	<p>Security and levy The Operator must provide a security of \$27,611,947.00 in the form of cash or an unconditional bank guarantee to the Minister prior to undertaking any mining activities</p>	Compliant	Security payment has been made for the works undertaken on site to date, within the previous reporting period. Security will be paid for the next stage of works prior to commencement.



Condition Number	Commitments and/or Conditions	Project Compliant with this Condition?	Evidence/ Comments
	<p>authorised by this Authorisation. This may be paid in stages as follow:</p> <ul style="list-style-type: none"> a. a security of \$1,212,109.00 which must be paid prior to commencing any Stage 1 activities in Appendix CC Annexure A of the MMP; b. an additional security of \$19,684.00 which must be paid prior to commencing any Enabling Works activities as outlined in the MMP; c. an additional security of \$13,023,941.00 to bring the total to a security of \$14,255,734.00 which must be paid prior to commencing any Stage 2 activities as outlined in Appendix CC Annexure A of the MMP. d. an additional security of \$13,356,213.00 to bring the total to a security of \$27,611,947.00 which must be paid prior to commencing any Stage 3 activities as outlined in Appendix CC Annexure A of the MMP. 		
12	<p>Security and levy An additional security for disturbance caused by activities not included in Stage 1, 2 or 3 as outlined in Appendix CC Annexure A of the MMP must be provided, subject to Condition 4.</p>	Compliant	<p>This condition applied to the previous works undertaken on site to date (Stage 1 works), for which security payment has now been made in full. The additional security amount required for the scope of Stage 1 works undertaken was paid on 21 June 2024.</p>
13	<p>Security and levy The security provided for under Condition 11 will be reassessed, and may be revised, following each submission of an amended MMP. The operator must</p>	Compliant	<p>An application to amend the currently approved MMP (Rev 2.1) was made during the reporting period on 08 April 2024. The application included an updated security calculation aligned with the proposed staged operational activities. This amendment is currently under assessment by the department. The updated and agreed security</p>



Condition Number	Commitments and/or Conditions	Project Compliant with this Condition?	Evidence/ Comments
	provide the revised security amount in the form of cash or an unconditional bank guarantee to the Minister.		amounts will be paid prior to the commencement of the next stage of works.
14	<p>Security and levy Each financial year, upon receipt of a written notice by the Minister as to the levy payable for that financial year, the operator must pay a levy to the mining remediation fund of an amount calculated in accordance with the Act and as stated by the Minister in that written notice.</p>	Compliant	Payment of the requested security levy was made on 14 August 2024.
15	<p>Independent Oversight - Waste Rock Dumps, Residue Storage Facility and Dams Waste Rock Dumps, Residue Storage Facility and Dams - The operator must appoint an Independent Certifying Engineer (ICE), approved by the Director, to oversee the design and construction of the Waste Rock Dump (WRD), Residue Storage Facility (RSF) and Dams.</p>	Not applicable	<p>No construction of the WRD, RSF or dams commenced during the reporting period; therefore, this condition is not applicable.</p> <p>As per condition, Arafura will be appointing an ICE to oversee the design and construction of the Waste Rock Dump (WRD), Residue Storage Facility (RSF) and Dams, prior to commencement.</p>



Condition Number	Commitments and/or Conditions	Project Compliant with this Condition?	Evidence/ Comments
16	<p>Independent Oversight - Waste Rock Dumps, Residue Storage Facility and Dams</p> <p>Waste Rock Dumps, Residue Storage Facility and Dams - Prior construction commencing the operator is to provide to the department designs endorsed by the ICE for each of the following:</p> <p>a. the WRD that are in accordance with concept designs presented in the approved MMP, ensuring the detailed designs area consistent with industry best practice guidelines, including for site selection, site conditions, encapsulation of non-benign and Naturally Occurring Radioactive Minerals (NORM) waste rocks, sub-surface drainage, selection of type of liners to ensure long-term containment of tailing/residues or leachate, and the cover system.</p> <p>b. the RSF that are in accordance with concept designs presented in the approved MMP, ensuring the detailed designs are consistent with industry best practice guidelines, including for site selection, site conditions, sub-surface drainage, selection of type of liners ensure long-term containments of tailing/ residues or leachate and the cover system; and</p> <p>c. the Dams that ensure the detailed designs are consistent with best practices, including for permeability of liners.</p>	Not applicable	Arafura will provide the department with designs endorsed by the ICE for the Waste Rock Dump (WRD), Residue Storage Facility (RSF) and Dams prior construction of each structure commencing as per condition.



Condition Number	Commitments and/or Conditions	Project Compliant with this Condition?	Evidence/ Comments
17	<p>Independent Oversight - Waste Rock Dumps, Residue Storage Facility and Dams</p> <p>Waste Rock Dumps, Residue Storage Facility and Dams - Within 3 months after completion of construction for each of the structures in Condition 15 the Operator is to provide a report to the department certified by the ICE that contains:</p> <ul style="list-style-type: none"> a. confirmation that the ICE was presented during key phases of construction to oversee works to ensure at a minimum design specifications were met; b. confirmation that any material changes to the design have been approved by an appropriately qualified person; c. verification that any monitoring equipment or structure installed is functional at the conclusion of construction; d. confirmation the flood mitigation system for the each of the structure from 1:100 ARI are in place; e. as-built drawings; and f. the performance monitoring program for the waste storages including for potential seepage and leachates from the storages facilities, that is suitable for audit purposes. 	Not applicable	<p>No construction of the WRD, RSF or dams commenced during the reporting period.</p> <p>The report will be provided to the department within 3 months after completion of construction for each of the structures in Condition 15, as per condition.</p>



Condition Number	Commitments and/or Conditions	Project Compliant with this Condition?	Evidence/ Comments
18	<p>Independent Oversight - Waste Rock Dumps, Residue Storage Facility and Dams</p> <p>Waste Rock Dumps, Residue Storage Facility and Dams - Prior to the use of each of the structures in Condition 15, the Operator must submit to the department an Operations, Maintenance and Surveillance (OMS) manual for the structure that has been endorsed by the ICE as meeting industry best practice and</p> <ul style="list-style-type: none"> a. contains details of waste management; b. contains details of water management, including water balance studies; c. includes Trigger Action Response Plans; and d. can be audited 	Not applicable	<p>No construction of the WRD, RSF or dams commenced during the reporting period.</p> <p>The Operations, Maintenance and Surveillance manual for the Waste Rock Dumps, Residue Storage Facility and Dams will be provided to the department prior to the use of each structure, as per condition.</p>
19	<p>Acid and Metalliferous Drainage (AMD) Management Plan</p> <p>Prior to construction commencing on the Waste Rock Dumps (WRD), Residue Storage Facility (RSF) and Dams, the operator is to provide to the department:</p> <ul style="list-style-type: none"> a. result of testing that demonstrates to a high level of confidence, that there is a low risk of AMD and NMD from all waste streams and stockpiled ore; b. details of the scope of the additional kinetic, column and barrel leach tests to provide results on the long-term leachate generation from wastes; and c. a plan for the further testing required to design the waste rock dumps based on the result of AMD site-specific representative waste rock samples. 	Not applicable	<p>This condition will be satisfied prior to construction commencing of the Waste Rock Dumps (WRD), Residue Storage Facility (RSF) and Dams.</p>



Condition Number	Commitments and/or Conditions	Project Compliant with this Condition?	Evidence/ Comments
20	<p>Kerosene Creek Diversion The operator must provide all approved documents and plans related to the Kerosene Camp Creek diversion to the department within 30 days of their approval.</p>	Not applicable	<p>No construction activities related to the Kerosene Camp Creek diversion have occurred on site to date. A Kerosene Camp Creek Management Plan was prepared during the reporting period, and an application made for a permit to interfere with a waterway for the first stage of planned diversion works. This was under assessment at conclusion of the reporting period.</p> <p>Once approved, the Kerosene Camp Creek Management Plan and approval documents will be provided to the department within the required timeframe, as stipulated in this condition.</p>
21	<p>Groundwater and Vegetation Within 12 months of groundwater extraction commencing, unless an alternative is agreed otherwise with the department, the Operator is to provide to the department for acceptance, a report developed by a suitably qualified independent professional that details:</p> <ul style="list-style-type: none"> a. in areas where groundwater-dependent vegetation occurs, a review of the adequacy of the current ground water trigger levels and of vegetation health monitoring, and b. in areas where groundwater dependent vegetation occurs, any revision required to the ground water trigger levels, and to vegetation health monitoring. 	Not applicable	<p>Water extraction under water licence L10013 commenced in August 2023 and continued until mid-October, when mining activities were temporarily suspended.</p> <p>As agreed with the department, the Adaptive Management Plan and Monitoring Program will be submitted to meet the requirements in this condition once approved by the Water Resources Division.</p>



Condition Number	Commitments and/or Conditions	Project Compliant with this Condition?	Evidence/ Comments
22	<p>Water Management Plans For every amended MMP, required under Condition 7 and 8, the Operator must review and update as appropriate the Water Management Plan for acceptance that:</p> <ul style="list-style-type: none"> a. includes an updated water balance, detailing source and volumes of water used, and continuous improvements initiatives to maximise efficient water use; b. integrates the results of the updated water balance to demonstrate appropriate water inventory management consistent with Condition 18; and c. includes procedures and management systems for protection of groundwater dependent ecosystems on the minesite. 	Compliant	<p>The Water Management Plan was reviewed during the revision of the MMP.</p> <p>No water balance update was required at this time.</p> <p>In relation to the protection of groundwater dependent ecosystems, the Adaptive Management Plan will be submitted to the department as outlined in Condition 21 above.</p>
23	<p>Erosion and Sediment Control Plan (ESCP) Prior to commencement of any clearing, the Operator must review and update as appropriate the ESCP and submit it to the department for acceptance.</p>	Compliant	<p>No clearing activities were undertaken during the reporting period, therefore the ESCP was not required to be updated during the reporting period.</p>



Condition Number	Commitments and/or Conditions	Project Compliant with this Condition?	Evidence/ Comments
24	<p>Erosion and Sediment Control Plan (ESCP) The Operator is to ensure the ESCP:</p> <ul style="list-style-type: none"> a. has been prepared by suitable qualified professional, and has been endorsed by an independent suitable qualified person; b. is prepared in accordance with International Erosion Control Association (IECA) Best Practice Erosion and Sediment Control Guidance documents, and that includes the objectives of the plan and criteria to assess the effectiveness of the plan; identifies both temporary and permanent drainage, erosion and sediment controls specific to the clearing, establishment and operation phases of the activity; d. includes proposed monitoring, required to achieve the objectives of the plan, including frequency and timing; e. includes proposed maintenance required to maintain effectiveness of erosion and sediment control structures, consistent with the objectives of the plan, including frequency and timing; and f. includes appropriate scaled maps and site plans showing the locations of the structures. 	Compliant	<p>As per Condition 3 above, no disturbance activities occurred during the reporting period, therefore no updates to the ESCP were required.</p> <p>The previously approved ESCP is compliant with this condition.</p>

Condition Number	Commitments and/or Conditions	Project Compliant with this Condition?	Evidence/ Comments
25	<p>Dangerous Goods Storage facility for dangerous goods, including but not limited to fuels and chemical must be designed, constructed and operated in compliance with applicable Australian and NT standards, codes and guidelines.</p>	Not applicable	No mining activities were undertaken during the reporting period; therefore, this condition is not applicable.
26	<p>Process Safety Prior to commencement of processing activities, the Operator must submit to the department for acceptance a process safety plan developed by an independent process safety expert that has been endorsed by NT WorkSafe.</p>	Not applicable	Please note that Arafura are in the early stages of planning to prepare a Safety Case for the Project processing facility, therefore this condition is not applicable to the reporting period.
27	<p>Environmental Mining Report (EMR) The Operator must submit on or before 1 May 2024 and on each anniversary of that date (or such other date as nominated by the Operator and approved by the Director), an Environmental Mining Report (EMR) covering 12-month reporting period, agreed with the department. The EMR is to include, and is not limited to, reporting of performance against: a. the approved Water Management Plan; and b. the approved Erosion and Sediment Control Plan, including confirmation by a suitable qualified and experienced auditor that the work has been undertaken in accordance with the approved ESCP.</p>	Compliant	<p>This EMR is the second report issued to the department since Mining Authorisation 1127-01 was granted on 10 November 2022, with the subsequent variation issued on 14 April 2023. The report covers each subsequent 12-month period following the commencement date of the action (26 February 2023), as agreed with the department via email submitted 25 January 2024. Therefore, this report covers the reporting period from 27 February 2024 to 26 February 2025.</p> <p>Implementation of the Water Management Plan and the ESCP are detailed in Table 4-1 below.</p>

Condition Number	Commitments and/or Conditions	Project Compliant with this Condition?	Evidence/ Comments
28	<p>Environmental Mining Report (EMR) In the first EMR, and for each EMR thereafter, from the completion of construction for each of the structures in Condition 15 the Operator is to provide evidence of an ICE endorsed assessment of the performance of each of the structures including monitoring results.</p>	Not applicable	<p>Not required at this stage of works. Construction of the Waste Rock Dumps (WRD), Residue Storage Facility (RSF) and Dams has not commenced.</p> <p>ICE endorsed assessment of the performance of these will be provided to the department following completion of each structure.</p>
29	<p>Environmental Mining Report (EMR) The Operator is required to make the EMR public following acceptance by the Director.</p>	Compliant	<p>The EMR will be made publicly available on the Arafura website following acceptance by the Director, in accordance with this condition.</p> <p>This will be available on the Arafura website: here</p>
30	<p>Community Reference Group (CRG) Within 2 years of commencement of the action of vegetation clearing, the Operator must establish a Community Reference Group to:</p> <ul style="list-style-type: none"> a. Consult with stakeholders on agreed post mining land use; and b. Engage on the broader environmental managing and performance of the mining activities of relevance to the CRG. 	Compliant	<p>The Community Reference Group (CRG) was established within the reporting period and meets on a regular basis. The CRG was consulted during the reporting period on matters related to environmental management, rehabilitation, and post mining land use. The CRG will continue to be consulted throughout the life of the Project.</p>



Condition Number	Commitments and/or Conditions	Project Compliant with this Condition?	Evidence/ Comments
31	<p>Mine Closure The Operator must submit an updated Mine Closure Plan to the department by 1 December 2026, and every three years thereafter that refines details of the closure concepts in the MMP.</p>	Not applicable	As per condition, the updated Mine Closure Plan will be submitted by 1 December 2026, therefore this condition is not applicable to the reporting period.
32	<p>Mine Closure The Mine Closure Plan must: a. detail evidence of CRG consultation; b. report progress on determining the final closure objectives and associated closure criteria; c. include timeframes for completion of works required to establish the final agreed closure objectives and associated closure criteria; d. include details on how the disturbance on the mine site will be rehabilitated to achieve the closure objectives; and i. demonstrate consideration of rehabilitation options and risk-based justification for the preferred closure strategies; ii. include scope and schedule of studies and trials required to address knowledge gaps to inform required designs; iv. include progress designs; and v. report on progressive rehabilitation, performance monitoring and adaptive management processes to demonstrate the preferred closure option is on a trajectory of success.</p>	Not applicable	Same as per Condition 31 above, therefore this condition is not applicable to the reporting period.

Condition Number	Commitments and/or Conditions	Project Compliant with this Condition?	Evidence/ Comments
	e. be reviewed by an independent third party, engaged by the Operator and approved by the department.		
33	<p>Mine Closure A finalised Mine Closure Plan must be submitted to the Minister for approval not less than five years before planned closure.</p>	Not applicable	As per condition, the Closure Plan will be submitted to the Minister within the required timeframe, therefore this condition is not applicable to the reporting period.
34	<p>Mine Closure The operator must ensure each updated Mine Closure Plan provided includes a report prepared by an independent third party, who has been approved by the Director, that addresses:</p> <ul style="list-style-type: none"> a. the effectiveness of the chosen closure strategy to meet the rehabilitation objectives; b. adequacy of the approach taken by the Operator in addressing knowledge gaps; and c. any further works that are required by the Operator to achieve the closure objectives. 	Not applicable	Noted - to be addressed together with the updated Mine Closure Plan that will be submitted by 1 December 2026.

4.0 ENVIRONMENTAL PERFORMANCE

Table 4-1 below shows the environmental performance against the objectives and targets of the management plans implemented during the reporting period.

Table 4-1 Environmental Performance Against the Approved, Relevant Environmental Management Plans

	Environmental Objective/Target	Compliance Status	Performance Against Objectives and Targets	Evidence
1. ARMS-0000-H-PLN-N-0009 Rev1.0 Weed Management Plan				
(a)	<p>Objective: No spread of existing Declared weeds within the Project area.</p> <p>Target: No significant change to the extent and distribution of Declared weeds within one year of completion of construction activities compared to the extent and distribution of weeds prior to construction.</p> <p>Key Performance Indicator (KPI): Weed surveillance monitoring to show that existing declared weeds have not proliferated through Project area or into adjoining vegetation.</p>	Compliant	<p>Areas identified with weed presence during the early stages of the Project have been consistently excluded from access and disturbance. As no operational activities were undertaken during the reporting period, the risk of Project-related weed spread was limited to vehicle movement during monitoring and maintenance activities.</p> <p>Access to the Nolans Project area, including monitoring sites, is currently restricted to existing tracks to minimise environmental disturbance and weeds spread. Additionally, Arafura ensures that all personnel and contractors mobilising to the Nolans Project complete the required site induction prior to mobilisation.</p> <p>Overall, no significant changes in the extent or distribution of declared weeds or Weeds of National Significance (WoNS), nor any spread of existing infestations, were observed during the reporting period. This observation remains consistent despite construction activities having commenced over a year ago.</p> <p>Arafura will continue to implement mitigation measures—including regular observations and regular weed surveillance monitoring—to prevent the spread of weeds within and surrounding the Nolans Project area, including stockpiles and previously disturbed areas.</p>	<p>Site induction records.</p> <p>Site Work and Monitoring Activities Report (Arafura 2025).</p> <p>Environmental Site Inspection Checklist (Arafura, 2024).</p> <p>Geographic Information System (GIS) database.</p>

	Environmental Objective/Target	Compliance Status	Performance Against Objectives and Targets	Evidence
(b)	<p>Objective: Prevent the introduction of new Declared weed species across the Project.</p> <p>Target: Zero occurrences of new weeds.</p> <p>KPI: No new species of weeds recorded in the Project area.</p>	Compliant	<p>All vehicles entering to the Project area are required to undergo inspection prior to mobilisation, in order to prevent the introduction and spread of declared weeds. Arafura will continue to implement mitigation measures—including vehicle inspections and regular weed surveillance monitoring, to minimise the risk of weed spread within and the surrounding areas of the Project.</p>	Vehicles inspections log.
2. ARMS-0000-H-PLN-N-0005 Rev2.0 Topsoil Management Plan				
(a)	<p>Objective: Ensure topsoil is harvested and stored properly for future rehabilitation.</p> <p>Target: Zero deviations from this Topsoil Management Procedure.</p> <p>KPI: Number of incidents which occur in relation to the topsoil management at Nolans.</p>	Compliant	<p>All stockpiles generated during the early stages of the Project remain stored within designated areas inside the disturbance footprint. Regular inspections are conducted to identify and implement any required control measures.</p> <p>Arafura will continue implementing mitigation measures and controls to ensure the topsoil and subsoil is properly harvested and stored for future rehabilitation of disturbed areas within the Project area.</p>	<p>Site inductions records.</p> <p>Site Work and Monitoring Activities Report (Arafura 2025).</p> <p>Environmental Site Inspection Checklist (Arafura, 2024).</p>
3. ARMS-0000-H-PLN-N-0002 Rev1.0 Biodiversity Management Plan				
(a)	<p>Objective: Establish and maintain awareness and importance of protecting biodiversity across the Project.</p> <p>Target: All onsite personnel (including Contractors) to undertake</p>	Compliant	<p>Arafura ensures that all personnel and contractors mobilising to the Nolans Project complete the required site induction prior to mobilisation. The induction program has been developed to address key safety and environmental aspects of the Project, including raising awareness of the importance of biodiversity protection.</p>	<p>Site induction records.</p> <p>Site induction presentation.</p>



	Environmental Objective/Target	Compliance Status	Performance Against Objectives and Targets	Evidence
	site induction which will include a summary of the Project biodiversity. KPI: Percentage of personnel who completed the site induction.		Protection of biodiversity includes, but is not limited to, native fauna and species of National Environmental Significance, such as the Great Desert Skink, Black-footed Rock-Wallaby, and Brush-tailed Mulgara—all of which are threatened species identified within the Project area. Arafura will continue to implement environmental awareness initiatives through site inductions for all Project personnel, including contractors and visitors entering the site.	
(b)	Objective: Minimise the extents of vegetation clearance and undertake in accordance with the GDP system, with particular focus on habitat of listed threatened species. Target: Zero incidents of clearing outside Project footprint and approved borrow pit locations. Manage <i>D. Blythi</i> (mulgara) habitat by maintaining patches of ground layer and low-level vegetation in scattered woodland areas. Manage <i>L. kintorei</i> (Great Desert Skink) habitat by maintaining large hummock grassland with Wilcox Bush (<i>Eremophila leucophylla</i>) close to rocky outcrops. KPI: Number of incidents of clearing outside of approved clearance areas.	Compliant	Operational activities have remained ceased since mid-October 2023. As a result, no disturbance activities occurred, and no clearing incidents were recorded during the reporting period. Arafura has established a Ground Disturbance Permit system which ensures clearing activities are properly assessed, authorised, and completed in accordance with established procedures. This applies to all personnel and contractors entering site.	GDP Register.

	Environmental Objective/Target	Compliance Status	Performance Against Objectives and Targets	Evidence
	No change in population size, distribution or density of potential threatened species in the vicinity of the Project.			
(c)	<p>Objective: Minimise injury or death to native fauna from Project activities.</p> <p>Target: All vehicles to adhere to the current scope of the Projects speed limits.</p> <p>Zero incidents of native fauna injury or death from Project activities.</p> <p>Implement system for the management of injured and dead fauna.</p> <p>KPI: Number of incidents involving native fauna injury or death from Project activities.</p> <p>Management of injured and dead wildlife system in place.</p>	Compliant	<p>Arafura continues to enforce control measures to minimise the risk of injury or death to native fauna from ongoing project activities, which currently consist of security operations and environmental monitoring. Speed limits remain enforced across the Project area, with particular emphasis along access tracks near identified Great Desert Skink burrows within the Borefield area.</p> <p>No fauna-related incidents associated with transport activities have been recorded. However, as detailed in Section 5.0, an event at the Turkey’s Nest involving the death of a reptile was recorded, with remedial actions implemented.</p> <p>Arafura will continue conducting site observations and trend monitoring to assess the effectiveness of existing controls and determine whether additional mitigation measures are required to ensure that wildlife and threatened species are adequately protected within the Project area.</p>	Incident Register – see summary provided in Section 5.0 – Incident Reporting. GIS database.
(d)	<p>Objective: Implement Pest Monitoring Plan – cat and fox.</p> <p>Target: No change in the feral cat/fox Population.</p> <p>KPI: Percentage increase in population sizes</p>	Compliant	<p>The Biodiversity Monitoring Program conducted for the 2023–2024 period included a focus on predator monitoring, targeting key species such as:</p> <ul style="list-style-type: none"> - Cat (<i>Felix catus</i>) - Fox (<i>Vulpes vulpes</i>) - Dingo (<i>Canis lupus dingo</i>). 	Biodiversity monitoring report (EcOz, 2024). Great Desert Skink Management Procedure.



	Environmental Objective/Target	Compliance Status	Performance Against Objectives and Targets	Evidence
			<p>Surveys conducted between 20 and 21 November 2023 recorded high detection rates of cats and foxes at the Processing Plant area and Borefield, followed by the Accommodation area and Mine site. In contrast, Dingos were most frequently detected at the Mine site, with subsequent detections at the Accommodation and Processing Plant area (EcOz, 2024).</p> <p>Given these predators pose a significant threat to threatened species, Arafura researched and consulted to develop an appropriate approach to feral predator control at the Project site. With the development of a Great Desert Skink Management Procedure (for the borefield area). Arafura are also currently developing a broader Predator Control Plan to manage the presence of feral animals in key operational areas.</p>	
(e)	<p>Objective: Undertake population monitoring for Black-footed Rock-wallaby and the species in sandplain habitats.</p> <p>Target: Below moderate change for Black-footed Rock-wallaby and small change for sandplain habitats threatened species.</p> <p>KPI: Percent decrease in population sizes.</p>	Compliant	<p>As part of the Biodiversity Monitoring Program, targeted fauna surveys for the Central Australian Rock-wallaby were conducted at sites across the gravel pits, explosives magazine, and haul road Project areas. No scats or other evidence of the species were detected during the surveys.</p> <p>However, given that the Central Australian Rock-wallaby was previously recorded within the Nolans Project area during surveys conducted in 2010, 2011, and 2015 as part of the Environmental Impact Statement, Arafura is planning to undertake further targeted surveys to confirm the current presence or absence of the species.</p>	Biodiversity monitoring report (EcOz, 2024).
4. ARMS-0000-H-PLN-N-0001 Rev2.0 Air Quality Management Plan				

	Environmental Objective/Target	Compliance Status	Performance Against Objectives and Targets	Evidence
(a)	<p>Objective: Minimise dust impacts at the Project.</p> <p>Target: No reports of dust impacts from the Project at sensitive receptors.</p> <p>KPI: Number of incidents of dust deposition at selected sensitive receptor sites.</p>	Compliant	<p>Arafura continues to implement its baseline air quality monitoring program at the Project site. Dust samples for passive dust and radionuclide monitoring are collected from eight Environmental Radiation Monitoring Locations (ERMLs) across the Village, Processing Plant area, and Mine site area. In addition, Radtrack3 detectors have been installed during the reporting period at five monitoring locations to measure Radon (²²²Rn) and Thoron (²²⁰Rn) concentrations.</p> <p>All collected data is regularly analysed to identify natural variations in dust levels or any increases resulting from project activities, which are currently limited to security operations and monitoring. No incidents involving elevated dust levels or impacts on sensitive receptors were recorded during the reporting period. Current dust control measures are limited to the enforcement of speed limits on unsealed roads.</p>	<p>Incident Register.</p> <p>Monitoring database.</p> <p>Laboratory reports.</p>
(b)	<p>Objective: Minimise air pollutant impacts at the Project.</p> <p>Target: No reports of pollutant impact from the Project at sensitive receptors.</p> <p>KPI: Number of pollutant impacts/complaints at selected sensitive receptor sites.</p>	Compliant	<p>Air pollution can be associated with the use of vehicles during current project activities. Accordingly, Arafura ensures that all personnel conduct regular inspections and maintenance of vehicles and on-site equipment to minimise emissions and maintain environmental compliance.</p> <p>No complaints from sensitive receptors were recorded during the reporting period.</p>	<p>Vehicle inspection records.</p> <p>Vehicle maintenance records.</p> <p>Incident Register.</p>
(c)	<p>Objective: Minimise air pollutant impacts at the Project.</p> <p>Target: Utilise best practice for the management of the Power Station</p>	Not applicable for the	<p>The Power Station and Acid Plant are in the design phase, with stack emission monitoring requirements yet to be defined.</p>	Not applicable.



	Environmental Objective/Target	Compliance Status	Performance Against Objectives and Targets	Evidence
	and Acid Plant with SCADA monitoring of stack emissions. KPI: Number of stack emissions outside of design specification.	reporting period		
5. ARMS-0000-H-PLN-N-0012 Rev1.0 Erosion and Sediment Management Plan				
(a)	Nil	Compliant	Environmental site inspections of erosion and sediment control structures were conducted in February 2024 and between 18 and 19 November 2024. Most stockpiles have undergone natural revegetation (Arafura, 2025). Additional control measures around stockpiles are scheduled for implementation in the second half of 2025. Regular site observations are also conducted following significant rainfall events to identify and address any necessary erosion or sediment control requirements.	Environmental Site Inspection Checklist (Arafura, 2024). Site Work and Monitoring Activities Report (Arafura 2025).
6. ARMS-0000-H-PLN-I-0001 Rev1.0 Cultural Heritage Management Plan				
(a)	Objective: Minimise damage to cultural heritage places and objects. Target: Nil reports of unauthorised breaches of exclusion zones. KPI: Number of incidents of exclusion zone breaches.	Compliant	Arafura has clearly identified all Exclusion Zones (EZs) and Restricted Work Areas (RWAs) in and around the Nolans Project. All Exclusion Zones are strictly protected and excluded from any disturbance. All Project activities, including security operations and monitoring programs, are conducted exclusively within authorised areas and along existing access tracks. Cultural heritage awareness is an integral component of all site inductions, reinforcing the importance of respecting and protecting culturally significant areas. It has been identified that one existing pastoral track does cross the exclusion zone in the southwest corner. Discussions are being held to either redirect the access path around the corner or obtain	Site induction records. Incident Register. Environmental Site Inspection Checklist (Arafura, 2024). GIS database.

	Environmental Objective/Target	Compliance Status	Performance Against Objectives and Targets	Evidence
			<p>approval for the minor crossing within this zone. The access path will ultimately become unusable once the mine access road is installed to the east of the exclusion zone.</p> <p>No further breaches or damage or impacts to exclusion zones occurred or were reported during the reporting period. No incidents regarding cultural heritage were recorded.</p>	
(b)	<p>Objective: Minimise damage to cultural heritage places and objects.</p> <p>Target: Nil reports of damage to exclusion zones.</p> <p>KPI: Number of incident reports of damage to identified exclusion zones.</p>	Compliant	<p>As outlined in Section 6(a), no breaches or damage to cultural heritage places or objects occurred during the reporting period with the exception of the minor crossing outlined above. The exclusion zones are clearly identified within the Project area and are accurately mapped in Arafura’s GIS system, helping to ensure they remain protected from any disturbance.</p>	<p>Site induction records.</p> <p>Incident Register.</p> <p>GIS database.</p>
(c)	<p>Objective: Minimise damage to identified cultural and heritage places and objects.</p> <p>Target: Nil incidents of unauthorised damage to cultural heritage items.</p> <p>KPI: Number of incident reports raised for unauthorised damage to cultural heritage items.</p>	Compliant	<p>Arafura has clearly identified all cultural and heritage places and objects. The exclusion areas are clearly identified within the Project area and are accurately mapped in Arafura’s GIS system, helping to ensure they remain protected from any disturbance.</p> <p>Nil incidents or impacts to known heritage places or objects were recorded during the reporting period.</p> <p>As outlined in Section 6(a), cultural heritage awareness is an integral component of all site inductions, helping to ensure that personnel understand the significance of heritage sites and the importance of protecting them throughout all project activities.</p>	<p>Site induction records.</p> <p>Incident Register.</p> <p>GIS database.</p>
<p>7. ARMS-0000-H-PLN-W-0001 Rev1.0 Social Impact Management Plan</p>				

	Environmental Objective/Target	Compliance Status	Performance Against Objectives and Targets	Evidence
(a)	<p>Objective: Develop and maintain a workforce with local cultural understanding and respect.</p> <p>Target: All people coming to site will be provided with a cultural heritage induction.</p> <p>All long-term employees will receive full cultural heritage training.</p> <p>KPI: Number of personnel working at site that have completed training.</p>	Compliant	<p>Arafura has been actively engaging with local communities and businesses, in collaboration with the Central Land Council and relevant authorities across the Northern Territory and in Alice Springs, in relation to:</p> <ul style="list-style-type: none"> Employment and Workplace; Local and Indigenous Business Participation; Native Title Agreement; Community Benefits Trust; and Establishment of the Community Reference Group. <p>Consultation has been conducted and is continuing with the CLC to discuss Arafura’s approach to developing a culturally appropriate cultural heritage induction course. Several consultants have been interviewed to develop the course. As a result, Arafura have selected two local Aboriginal owned businesses and consultants with family connections to the Anmatjere people to develop and deliver the inductions when activity on site commences.</p> <p>Note that there is currently no workforce established at site.</p>	Site induction records.
(b)	<p>Objective: Maintain open communications with local community to ensure stakeholder reporting is provided.</p> <p>Target: Complete Community Engagement Plan once FID is approved.</p> <p>Implement a working community reference group, outline the community’s expectations, outline</p>	Not applicable for the reporting period	<p>The FID has not yet been made for the Project.</p> <p>The CRG was established within the reporting period and meets on a regular basis. The CRG was consulted during the reporting period on matters related to environmental management, rehabilitation, and post mining land use. The CRG will continue to be consulted throughout the life of the Project.</p> <p>The Community Engagement Plan is under development and will be completed once FID is approved.</p>	CRG meeting logs (within the Stakeholder Register)

	Environmental Objective/Target	Compliance Status	Performance Against Objectives and Targets	Evidence
	<p>monitoring and reporting of the Project’s commitments and performance.</p> <p>Community page on Arafura’s website.</p> <p>KPI: Plan in place and agreed targets being achieved.</p> <p>Working group meetings held upon.</p> <p>Website updated to reflect current social impact information and public reporting requirements.</p>			
(c)	<p>Objective: Monitor social impact performance.</p> <p>Target: Maintain commitments register and a stakeholder register and stakeholder issues, measure social responsibility performance and issues reported.</p> <p>KPI: Feedback received (positive/negative).</p> <p>Responses to Community satisfaction surveys.</p>	Compliant	A Stakeholder Register has been developed and is updated as needed to ensure all relevant stakeholders are identified, and that engagements and commitments are accurately recorded and effectively managed.	Stakeholder Register.
(d)	<p>Objective: Develop an ongoing working relationship with the local communities and businesses.</p>	Compliant	Arafura continues to engage with and build strong relationships within the local community. Regular community visits are conducted, where possible and appropriate, to provide updates on the status and progress of the Nolans Project.	Stakeholder Register. Community engagement data.

	Environmental Objective/Target	Compliance Status	Performance Against Objectives and Targets	Evidence
	<p>Target: Number of opportunities available for local employment, business opportunities and participation.</p> <p>Develop an Employment and Workforce Development Plan.</p> <p>KPI: Number of local community people employed.</p> <p>Number of local business opportunities provided.</p> <p>Agreed targets and monitor.</p> <p>Employment and Workforce Development Plan.</p> <p>Local and Indigenous Participation Plan.</p>		<p>Ongoing communication with local businesses supports relationship building and ensures relevant stakeholders are informed about Project developments. Engagement is also undertaken through Northern Territory Government representatives in both Alice Springs and Darwin, as well as through industry groups, including:</p> <ul style="list-style-type: none"> • NT Indigenous Business Network • Industry Capability Network • Mineral Council of Australia – Darwin Branch • Chamber of Commerce • Industry Skills Advisory Council Northern Territory (ISACNT). <p>The Employment and Workforce Development Plan, along with the Local and Indigenous Participation Plan is under development and will be completed once FID is approved.</p>	
8. NRE-0000-H-PLN-H-0004 Rev1.0 Radiation Protection Plan & Radioactive Waste Management Plan				
	Nil	Compliant	<p>Ongoing baseline air quality monitoring for radionuclides—specifically long-lived uranium and thorium decay chain products—is being conducted. Dust samples are collected on a quarterly basis from eight ERMLs across the Mine site, Village and the Processing Plant area.</p> <p>All collected data is regularly analysed to identify natural variations in radiation levels or any increases resulting from project activities, which are currently limited to security operations and monitoring. No incidents involving elevated dust levels or impacts on sensitive receptors were recorded during the reporting period. Current dust</p>	<p>Monitoring database.</p> <p>Laboratory reports.</p>



	Environmental Objective/Target	Compliance Status	Performance Against Objectives and Targets	Evidence
			control measures are limited to the enforcement of speed limits on unsealed roads.	
9. ARMS-0000-H-PLN-N-0013 Rev1.0 Water Management Plan				
(a)	<p>Objective: Prevent environmental impacts from poor or inappropriate water management.</p> <p>Target: No exceedances to trigger levels or water use targets.</p> <p>KPI: Number of incidents which occur in relation to defined trigger levels for surface and groundwater.</p> <p>Water usage does not exceed water balance.</p>	Compliant	<p>Water abstraction from Borefield D was suspended in mid-October 2023. Groundwater monitoring is ongoing and includes standard manual water level measurements as well as continuous in-situ monitoring using data loggers.</p> <p>All collected data is regularly analysed to identify any variations in groundwater levels and any exceedances of the approved trigger levels outlined in Licence L10013.</p>	<p>Monitoring database.</p> <p>Laboratory reports.</p>
(b)	<p>Objective: Borefield drawdown is behaving in accordance with predictive modelling.</p> <p>Target: Monitoring ensures Borefield groundwater drawdown does not exceed target levels.</p> <p>KPI: Consistently monitor Borefield behaviour and adjust management.</p>	Compliant	<p>Arafura undertakes an extensive groundwater monitoring program, including monitoring of groundwater levels across the borefield area. Data is regularly compared to target levels.</p> <p>Target levels are currently under review with the Water Resources Division, given that previous target levels are exceeded under baseline conditions, without extraction by Arafura occurring.</p> <p>Arafura is currently not undertaking any borefield extraction. Once borefield drawdown recommences, behaviour against predictive modelling will then be assessed.</p>	<p>Monitoring database.</p> <p>Laboratory reports.</p>
(c)	<p>Objective: Monitor groundwater at potential GDE sites.</p>	Compliant	<p>The groundwater monitoring program is undertaken across the Project site, and includes potential groundwater dependent ecosystems (GDE) sites.</p>	<p>Adaptive Management Plan.</p> <p>Monitoring database.</p>

	Environmental Objective/Target	Compliance Status	Performance Against Objectives and Targets	Evidence
	<p>Target: No impacts to vegetation communities.</p> <p>KPI: No recorded impacts to vegetation at monitoring sites.</p>		GDE monitoring was conducted in August 2024 by independent consultants CDM Smith. The monitoring involved on ground vegetation monitoring as well as remote sensing of potential GDEs. The information collected in August 2024 has been incorporated into the Adaptive Management Plan, which will be shared with the Department once it is approved by the Water Resources Division.	Vegetation and remote sensing reports (CDM Smith 2024).
(d)	<p>Objective: No recorded impacts to other water users.</p> <p>Target: Monitor pastoral bores.</p> <p>KPI: No recorded drawdown impacts.</p>	Compliant	Water abstraction from Borefield D was suspended in mid-October 2023. Ongoing groundwater monitoring continues, including recording of water extraction from pumping bores used by nearby stations. To date, no drawdown impacts on pastoral bores or other surrounding groundwater users have been recorded.	Flow meter log. Monitoring database.
(e)	<p>Objective: Manage artificial surface water sources around the Project site to limit fauna impacts.</p> <p>Target: No recorded fauna deaths.</p> <p>KPI: Regularly inspect all water locations and record and report fauna visitation and impacts.</p>	Compliant	Arafura completed regular site observations of the current artificial water body, the Turkey’s Nest, which is located in the Processing area. During one of these inspections, a deceased reptile was observed and subsequently identified as a member of the <i>Varanidae</i> family. For more details and the remedial actions taken, please refer to Section 5.0.	Incident Register – see summary provided in Section 5.0 – Incident Reporting below.

10. NRE-0000-A-PLN-G-0001 Rev1.0 Territory Benefits Plan



	Environmental Objective/Target	Compliance Status	Performance Against Objectives and Targets	Evidence
	Objectives/targets not identified, however numerous commitments made.	Compliant	<p>Arafura is aware of the workforce requirements associated with both the construction and operations phases of the project. In response, the Company has been actively engaging with local communities, businesses, agencies, and other institutions in the Northern Territory and Alice Springs to support workforce development and participation.</p> <p>These efforts are focused on creating local employment opportunities, fostering long-term skills development within the region, and ensuring the Project delivers sustainable economic and social benefits to surrounding communities. This engagement is reflected in Arafura’s recruitment strategies, including the implementation of the Local and Indigenous Training and Employment Plan and the commitments outlined in the Territory Benefit Plan.</p>	Meeting minutes – within the Stakeholder Register. Engagement records.

5.0 INCIDENT REPORTING

Two events were recorded during the reporting period. The remedial actions and further details are provided in Table 5-1. Both events had been closed out by the time of reporting.

Table 5-1 Recorded Environmental Events

Date	Short Description	Work Area	Remedial Actions Taken	Status
24/09/2024	During a routine environmental inspection at the Turkey's Nest, a deceased reptile was discovered. The relevant Arafura personnel were notified, and an incident report was completed to investigate the cause of death and recommend appropriate control measures. The species was subsequently identified as belonging to the <i>Varanidae</i> (monitor lizard) family.	Turkey's Nest	<ul style="list-style-type: none"> • Improve the perimeter fencing around the Turkey's Nest to prevent / deter wildlife from entering. • Intensify the regular inspections to ensure the fencing remains in good condition and that no wildlife have passed through or over. • Extend current egress matting along the sides of the Turkey's Nest to allow wildlife to safely climb out if they accidentally fall in. 	Closed
15/01/2025	While retrieving a data logger installed at one of the pastoralist monitoring bores, a snake approximately 50 cm in length was found coiled around the data logger's string. This was a near miss - the snake was not harmed, and was released at the time it was found.	Monitoring bore	<ul style="list-style-type: none"> • Cap all open pastoralist monitoring bores included in the monitoring network. • Engage with pastoralists to inform them of the proposed remedial actions, and emphasise the importance of keeping the bores capped to prevent impacts to native fauna. 	Closed

6.0 REFERENCES

Title
GHD, August 2024. Nolans Reaphook Palaeovalley Adaptive Management Plan (Rev 3.0), [NRE-7420-H-RPT-N-0002]
GHD, August 2024. Nolans Borefield Monitoring Program (Rev 3.0), [NRE-7420-H-RPT-N-0001]
GHD. Water Abstraction Management Plan (Rev 3.4), [ARMS-0000-H-PLN-N-0011]
EcOz, May 2024. Biodiversity Management Plan (Rev 4.0) [ARMS-0000-H-PLN-N-0002]
Arafura, April 2025. Site Work and Monitoring Activities Report.
Arafura, November 2024. Environmental Site Inspection Checklist.

7.0 ABBREVIATIONS AND DEFINITIONS

Abbreviation	Meaning
AAPA	Aboriginal Areas Protection Authority
Arafura	Arafura Rare Earths Limited (previously Arafura Nolans Project Pty Ltd)
CLC	Central Land Council
Company	Arafura, as defined above
CRG	Community Reference Group
DEPWS	Department of Environment, Parks and Water Security
DLPE	Department of Lands, Planning and Environment
EIS	Environmental Impact Statement
EMPs	Environmental Management Plans
EMR	Environmental Mining Report
ERML	Environmental Radiation Monitoring Locations
ESCP	Erosion and Sediment Control Plan
EZ	Exclusion Zone
FID	Final Investment Decision
GDE	Groundwater Dependent Ecosystem
GIS	Geographic Information System
ICE	Independent Certifying Engineer
KPI	Key Performance Indicator
MMP	Mining Management Plan
NdPr	Neodymium and Praseodymium
NT	Northern Territory
NTA	Native Title Agreement
NT EPA	Northern Territory Environmental Protection Authority
Operator	Arafura Rare Earths Limited (previously Arafura Nolans Project Pty Ltd)
Project	The Nolans Rare Earths Project as defined within the approved MMP for the reporting period
RSF	Residue Storage Facility
RWA	Restricted Work Area
SSCC	Sacred Sites Clearance Certificate
WRD	Waste Rock Dump