

# Mining Management Exploration Activities

## Northern Territory of Australia – Mining Management Act 2001

It is recommended that the Mining Management Plan (MMP) is completed in conjunction with the user guide available on the [Northern Territory Government website](#).

### Section 1 – Project Details

<b>Project Name</b> Provide new or existing project name	Bruce Project
<b>Authorisation Number</b> Insert existing authorisation number, where applicable	1147-01
<b>Operator Name</b> Use ASIC-ABR registered name (if a company), or name of the applicant	MetalsGrove Mining Ltd
<b>Operator ABN and ACN numbers</b>	
<b>Location and Access Details</b> Include brief description of the location, access details, and distance to nearest town or community	<p>The tenement is located within the Huckitta 1:250,000 Sheet area centred some 230 kilometres northeast of Alice Springs.</p> <p>Access from Alice Springs to the area is by the Plenty River Highway to Huckitta Station, thence north by a graded station track to Halfway Dam located near the Marshall River. Country in the southern portion of the license, south of Marshall River is open plains with some low rises. North of Marshall River hill country varies from undulating to rugged with limited vehicle access.</p>
<b>Target Commodity Details</b> Include target mineral commodities (i.e. gold, copper etc.)	Gold, Copper, Rare earths, and Base Metals
<b>Mining Activities</b> Summarise the mining activities (exploration) to be the subject of the proposed Authorisation or Variation.  Drilling programs over a maximum of four years are supported and encouraged and can be staged. Please refer to the guidelines for further information.	<p>Planned activities are for the drilling of 3000 metres of exploration Air core/RC drilling in three areas of the project.</p> <p>Area 1 – Phase 1, 1000m Air core/RC holes, approx. 10 holes</p> <p>Area 2 – Phase 2, 1000m Air core/RC holes, approx. 10 holes</p> <p>Area 3 – Phase 3, 1000m Air core/RC holes, approx. 10 holes</p> <p>Area 4 (Amendment) – Phase 4, 400m Air core/RC holes. 3 holes</p> <p>APPENDIX 1 – Amendment 1_Location plan Area 4</p>

## Mining Management Exploration Activities

<b>Proposed Schedule</b> Include start and finish dates of ground disturbing work	Work is planned to commence in April 2023 and completed by September 2023
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## Mining Interest and Land Ownership

List the mining interests (titles), the title holder name/s, the title expiry date and the Property name/Land holder (e.g. pastoralist or Aboriginal land trust) for each title.

Title Number	Title Holder	Expiry Date	Underlying Property Name or Land Holder
EL31225	Territory Lithium Pty. Ltd	22/12/2024	Jinka Station – Pastoral Land
			Huckitta Station – Huckitta Aboriginal Corporation ICN7271

Delete or add rows as required

Please note a Land Access Agreement (LAA) is required for disturbance proposed on Pastoral Properties on Exploration Licence (EL).

## Organisational Structure

Position Title	Name
Managing Director	Sean Sivasamy
General Manager	
Project Manager	Rudy Lennartz
Senior Geologist	
Environmental Manager	
Radiation Safety Officer	

Delete or add rows for various position titles as required

## Section 2 – Operator Self-Assessment of the Environmental Risk

The purpose of this self-assessment is to ensure Operators complete a project risk assessment of potential environmental impacts and are aware of other legislative obligations from various Agencies. As a result of this self-assessment, further information may be required in the form of a management plan to enable full assessment of the MMP. If you have any queries, please contact a Mining Officer prior to submitting the MMP. Useful resources to assist with this self-assessment are provided in the User Guide.

### Environmental considerations

ASSESSMENT ASPECT	YES or NO	ACTIONS REQUIRED (if answered YES)	APPENDED INFORMATION (e.g. evidence of consultation with DEPWS and/or management plan where required).
<b>Step 1:</b> Are there any threatened flora and fauna species or habitats of significance that may occur in the proposed work area?	Yes	<p>The Operator must assess the likelihood of threatened species or their habitats occurring at or near the site. If the likelihood is high, then a “Significant Impact Assessment” must be undertaken and appended to this document.</p> <p>The Operator recognises the presence of the Southern Whitefaced bird species as threatened fauna in within the mineral title EL31225.</p>	<p>Consulted NR Maps. Refer to APPENDIX 2 – EL31225 Flora Atlas</p> <p>Consulted NR Maps. Refer to APPENDIX 3 – EL31225 Fauna Atlas_Amendme nt 1</p>
<b>Step 2:</b> Are there any known declared weeds within the proposed work area?	No	<p>Seek advice from DEPWS – Weed Management Branch to determine if weeds are present on site and ensure management measures are appropriate for the level of activity proposed and attach a Weed Management Plan (if required).</p>	<p>Consulted DEPWS and NR Maps. Refer to APPENDIX 4 – EL31225 Weeds Map</p>

## Mining Management Exploration Activities

ASSESSMENT ASPECT	YES or NO	ACTIONS REQUIRED (if answered YES)	APPENDED INFORMATION (e.g. evidence of consultation with DEPWS and/or management plan where required).
<b>Step 3:</b> Will you be using water from bores or other sources for the operation?	Yes	Water related matters on mineral titles are no longer exempt from the <i>Water Act 1992</i> . Please consult with DEPWS Water Resources and/or familiarise yourself with the <i>Water Act</i> to ensure compliance under this Act when undertaking exploration activities.	The exploration program will not require more than 5ML of water. The Air core/RC program may require water. Drilling water and Potable water will be sourced from Station supplies by consultation with the Property owner/manager.

## Environmental assessment and cultural considerations

ASSESSMENT ASPECT	YES or NO	MANAGEMENT REQUIREMENTS
<b>Step 4:</b> Is your project likely to have a significant impact on the environment?	No	Refer to the NTEPA Environmental Factors and Objectives Guideline. Refer to APPENDIX 5 – EL31225 NT EPA pre-referral checklist
<b>Step 5:</b> Are there Aboriginal sacred sites in the Project area?	UNCERTAIN	Sacred Sites are protected under the NT <i>Aboriginal Sacred Sites Act 1989</i> and administered by the Aboriginal Areas Protection Authority (AAPA). It is recommended that advice be sought from AAPA in relation to sacred site protection. Currently being assessed – Authority Certificate Application #000037771 Mineral Exploration Deed Agreement for EL31225 made with CLC on 7/12/2022
<b>Step 6:</b> Are there archaeological and heritage sites in the Project area?	No	Heritage and archaeology sites are protected in the NT. NT Department of Territory Families, Housing and Communities (DTFHC) administers the <i>Heritage Act 2011</i> .  A search of the Jinka Station region on; <a href="http://www.ntlis.nt.gov.au/heritageregister/f?p=103:300:14155669517847:::">http://www.ntlis.nt.gov.au/heritageregister/f?p=103:300:14155669517847:::</a> indicates that “no sites have been returned”.

## Section 3 – Amendments

As per Section 41(3) of the *Mining Management Act*, an MMP reviewed and amended under Section 41(1)(a) is to have amendments made since the previous MMP submission clearly identified.

Section	Amendment
Section 1	Additional drilling Area 4 (APPENDIX 1) includes 3 Air core/RC holes. Proposed hole BRC009 = 130m Proposed hole BRC010 = 120m Proposed hole BRC011 = 150m Total metres = 400m

Delete or add rows as required

## Section 4 – Activities Proposed for this MMP only

Provide relevant EL numbers

Mining Interests (i.e. titles)	EL31225	EL31225 (Amendment)	EL	EL
Number and type of proposed exploration drill holes	30 RC total in three phases	Amendment 1 Includes 3 holes in Area 4		
Maximum depth of proposed holes (m)	100 metres	Hole BRC011 = 150m		
Number and size of drill pads to be cleared (Length:25m x Width:25m)	30 holes (max)	3 holes		
Total area of drill pads to be cleared (ha)	1.875 ha (max)	0.19 ha		
Number of proposed water bores	N/A	N/A		
Is drilling likely to encounter groundwater in multiple or confined aquifers? (Y, N, unsure) If answering yes, please provide the number of exploration holes where this is likely to occur	N	N		
Number of costeans	N/A	N/A		
Volume to backfill costeans (Length: m x Width: m x Depth: m)	N/A	N/A		
Number of bulk sample pits	N/A	N/A		
Volume to backfill bulk sample pits (Length: m x Width: m x Depth: m)	N/A	N/A		
Bulk sample pits approved under <i>Mineral Titles Act</i> ? (Y or N). If Yes provide approval	N/A	N/A		
Line/track clearing: (length m x width m)	N/A	N/A		

## Mining Management Exploration Activities

Mining Interests (i.e. titles)	EL31225	EL31225 (Amendment)	EL	EL
Area of proposed line/track clearing (ha)	N/A	N/A		
Camp area to be cleared (ha)	N/A	N/A		
Camp Infrastructure (i.e. demountable, tents) Please provide a complete list with measurements as required in the security calculation	N/A	N/A		
Other	Small, tracked drill rig to be used for Air core/RC drilling	Small, tracked drill rig to be used for Air core/RC drilling		
Total proposed area of disturbance (ha)	1.875 ha	0.19		

Staging approach based on disturbance can be proposed and will be considered by the Department.

## Section 5 – Previous Disturbance (for existing Authorisations only)

The 'Disturbance Tracking' spreadsheet must be completed and attached to the MMP submission to complete this section. The spreadsheet is available on the departmental web page where this template is located.

## Section 6 – Environmental Management

By checking these shaded boxes, you are agreeing to implement the following minimum environmental management standards on the project area. Where boxes have been left unchecked, justification is required.

6.1	✓	Blade-up approach for clearing will be used (i.e. no windrows, leave root stock and topsoil)
6.2	✓	Significant vegetation will be avoided during clearing (i.e. large trees, specimens providing habitat or food sources, riparian vegetation, and threatened species)
6.3	✓	Vegetation clearing during, and immediately after rainfall events, will be avoided
6.4	✓	Vegetation clearing will be kept to the minimum required to safely traverse vehicles and drill rigs along tracks and drill pads
6.5	✓	Where blade-up techniques cannot be employed, topsoil and vegetation will be stockpiled appropriately for rehabilitation purposes
6.6	✓	All employees and contractors will be trained and inducted in relation to the management of environmental risks in the work area, including weeds, waterways, threatened species, soil erosion, sacred sites and heritage areas
6.7	✓	Sumps will be lined or tanks of appropriate size to contain water, sediment and drilling fluids encountered during drilling, will be used
6.8	✓	Sumps, drill holes, and fuel stores will be located away from environmentally significant areas and water courses
6.9	✓	Excavations (sumps, costeans and pits) will be appropriately ramped to allow fauna egress
6.10	✓	Drill holes will be securely capped immediately after drilling
6.11	✓	Vehicle hygiene measures will be employed to prevent the introduction and spread of invasive species and pathogens when mobilising vehicles and equipment from one location to another
6.12	✓	Hydrocarbon spills will be minimised using liners and drip trays under machinery, and appropriately sized spill-kits available in the event of a spill
6.13	✓	Hazardous substances (including hydrocarbons) will be stored and handled in accordance with relevant Australian Standards
6.14	✓	Hydrocarbons will be stored in lined and bunded areas
6.15	✓	Waste will be stored securely while on-site to minimise windblown rubbish and access by feral animals
6.16	✓	Waste will be removed off-site and disposed of at an appropriate waste management facility
6.17	✓	All environmental incidents will be reported to the Department in accordance with Section 29 of the <i>Mining Management Act</i> .
6.18	✓	Acid and Metalliferous Drainage (AMD) and Potentially Acid Forming (PAF) material derived from drilling cuts will be managed to avoid AMD and PAF related issues on site.



### Mining Management Exploration Activities

6.19	✓	Radioactive/NORM drill cuttings will be managed to avoid radiation related issues on site.
6.20	✓	Dust management will be implemented on site.

Justification and alternative management measures:

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## Section 7 – Rehabilitation and Closure

By checking these shaded boxes, you are agreeing to implement the following minimum rehabilitation standards on the project area. Where boxes have been left unchecked, justification is required.

A refund of security related to completed rehabilitation on site requires the submission of a rehabilitation report including photographs, an updated security calculation and updated disturbance tracking spreadsheet to the Department.

7.1	✓	Drill holes will be plugged below ground level at a minimum depth of 0.4 metres and soil mounded to prevent subsidence, within 6 months of completion of drilling.
7.2	✓	Drill holes encountering multiple or confined aquifers will be grouted with concrete.
7.3	✓	Drill samples/spoil will be returned down drill holes, buried in sumps, or removed from site.
7.4	✓	All drill hole and access markers including flagging tape, wooden markers and star pickets will be removed from site.
7.5	✓	Cut and fill drill pads will be re-contoured to be consistent with the surrounding terrain.
7.6	✓	Drill pads and compacted areas along the contour (on sloping ground) will be ripped/scarified of and tracks will be cross-ripped (zig-zag).
7.7	✓	Tracks will be rehabilitated, including pushing in all windrows, unless otherwise agreed in writing by the land holder or appropriate third party.
7.8	✓	Appropriate erosion and sediment controls will be installed where erosion is evident or likely to occur.
7.10	✓	Access through watercourses will be removed and banks restored.
7.11	✓	All previously disturbed areas will be stable, with no evidence of active soil erosion.
7.12	✓	All excavations will be backfilled within 6 months of their completion.
7.13	✓	All water bores will be decommissioned unless otherwise agreed in writing by the land holder or appropriate third party.
7.14	✓	All rubbish and infrastructure will be removed from site.
7.15	✓	Topsoil will be replaced and vegetation re-established.
7.16	✓	Contaminated soils (e.g. hydrocarbon or hazardous chemicals) will be rehabilitated or removed from site.
7.17	✓	Monitoring will be undertaken following the wet season or a significant rainfall event.

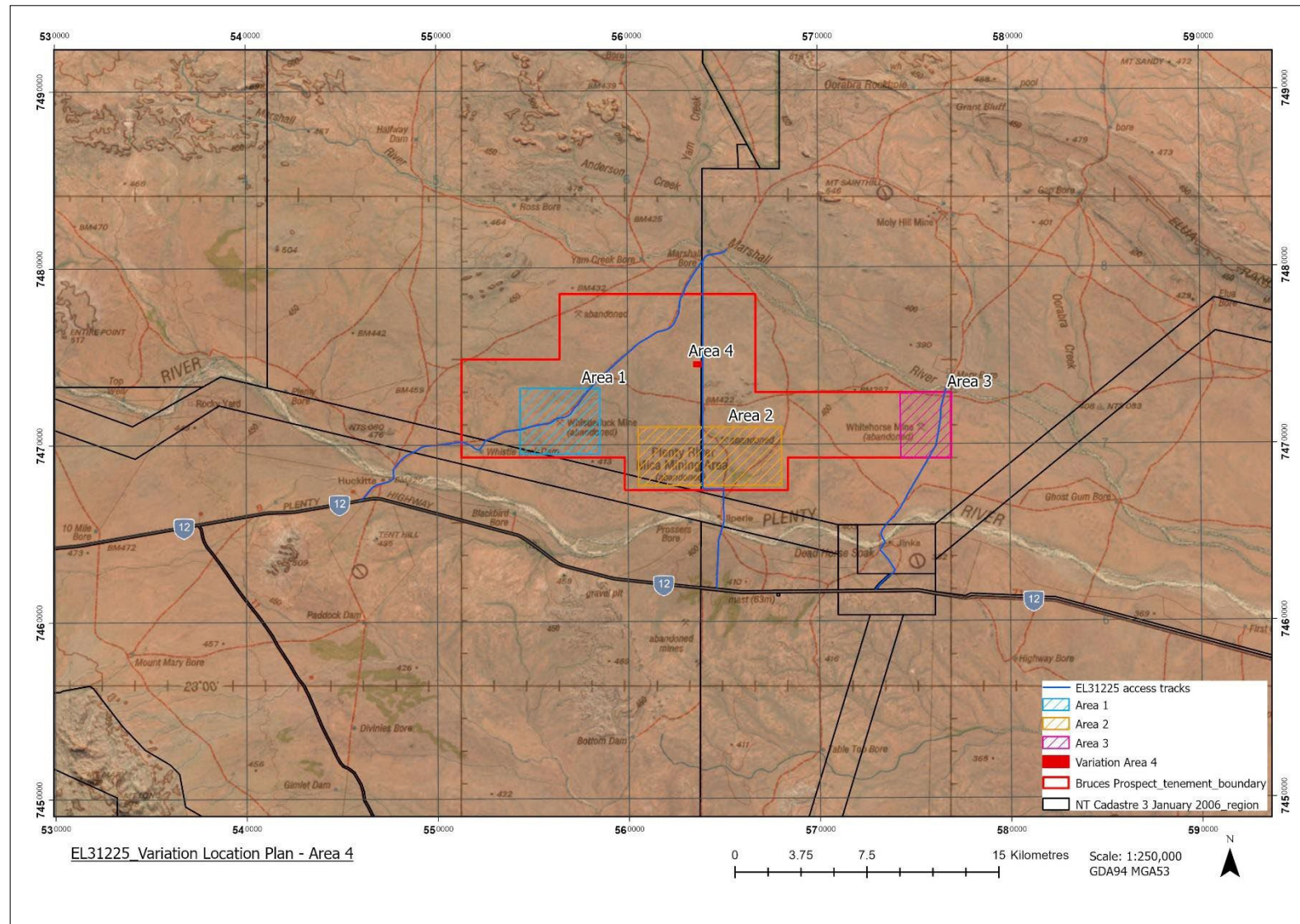
Justification and alternative management measures:

Nil

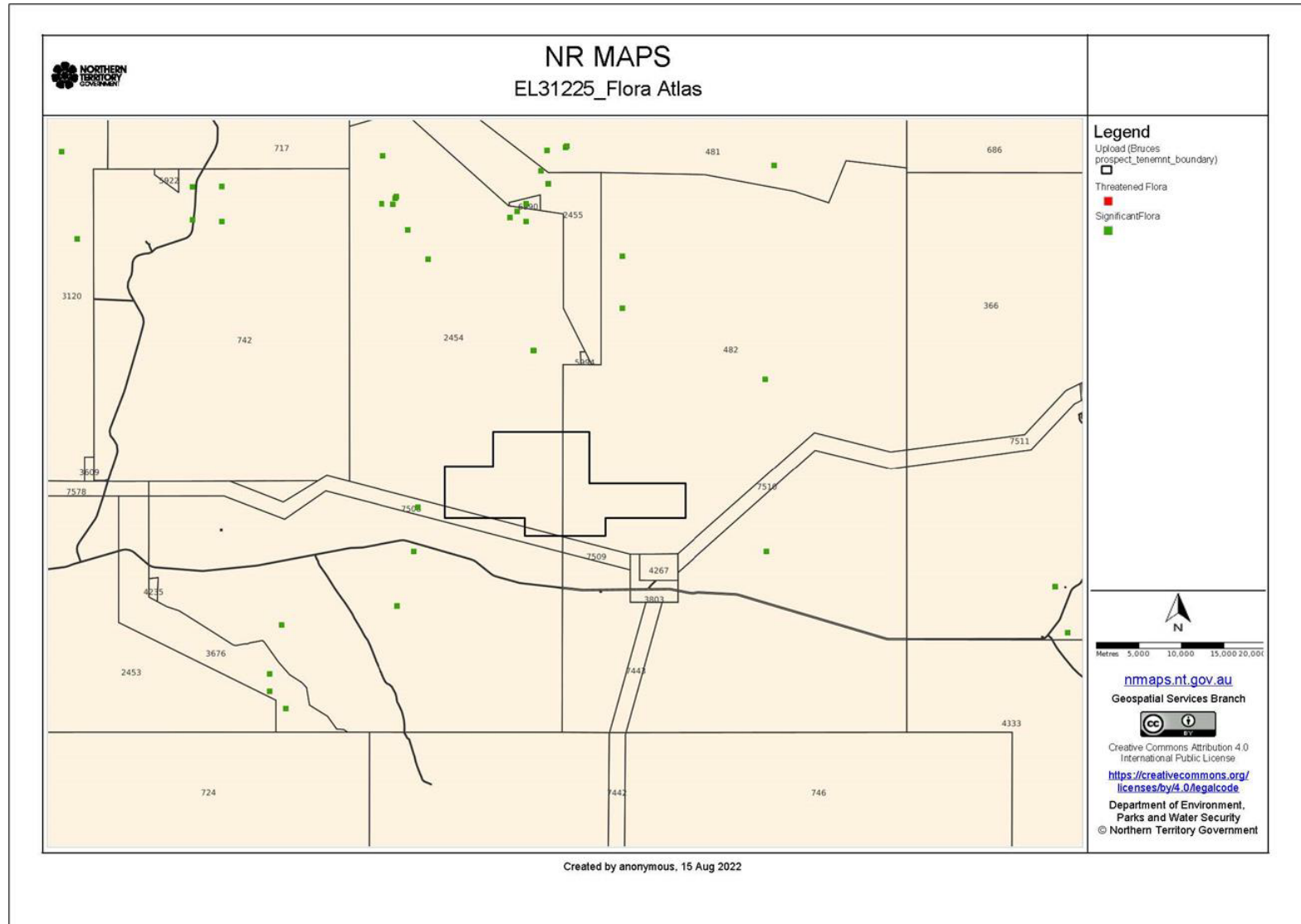
## Section 8 – Required Attachments

8.1	✓	Initial Application for Authorisation or variation of Authorisation (only if details on the form have subsequently changed).
8.2	✓	Nomination of Operator Form, where required
8.3	✓	Security Calculation Spreadsheet
8.4	✓	Evidence of Land Access Agreement if operating on an Exploration Licence (EL) on Pastoral Lease (e.g. two-ways exchange of email)
8.5		Disturbance tracking spreadsheet (for existing Authorisations)
8.6	✓	Spreadsheet with coordinates of proposed drill holes or polygons of target areas
8.7		KML/shape files/track logs of proposed tracks, camp sites and proposed drill holes or polygons of target areas
8.8	✓	<p>Map(s) of the work area(s) showing:</p> <ol style="list-style-type: none"> <li>1. title boundaries and title numbers</li> <li>2. current and proposed drill holes, or polygons of target areas</li> <li>3. current and proposed tracks</li> <li>4. rehabilitated areas</li> <li>5. camp sites</li> <li>6. heritage sites or significant environmental areas</li> <li>7. environmental constraints</li> </ol>
8.10		Radiation Management Plan (if applicable)
8.12		<p>Document(s) being appended in relation to Section 2 (if any):</p> <p>APPENDIX 1 – Amendment 1_Location plan Area 4</p> <p>APPENDIX 2 – EL31225 Flora Atlas</p> <p>APPENDIX 3 – EL31225 Fauna Atlas_Amendment 1</p> <p>APPENDIX 4 – EL31225 Weeds Map</p> <p>APPENDIX 5 – EL31225 NT EPA pre-referral checklist</p>

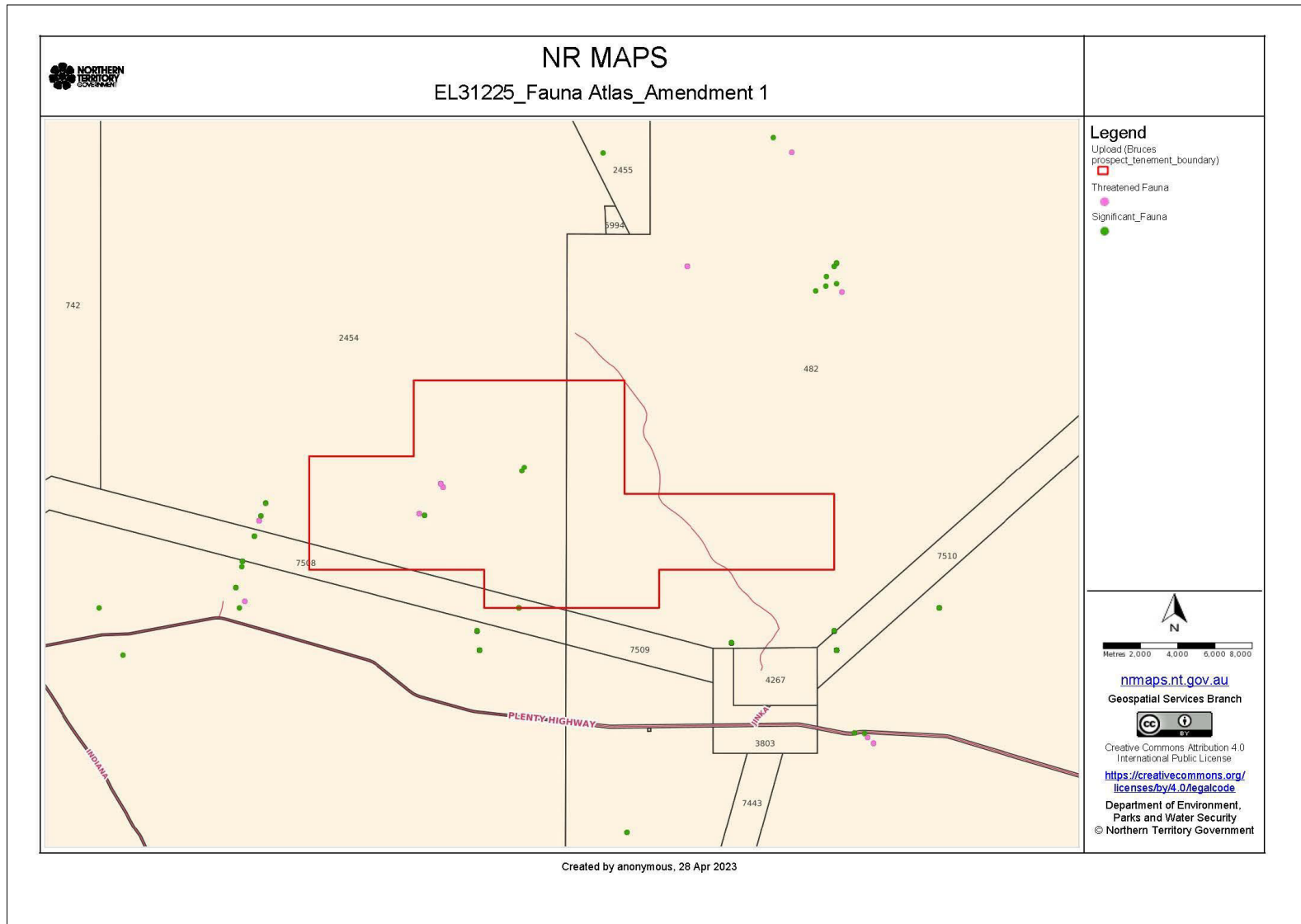
APPENDIX



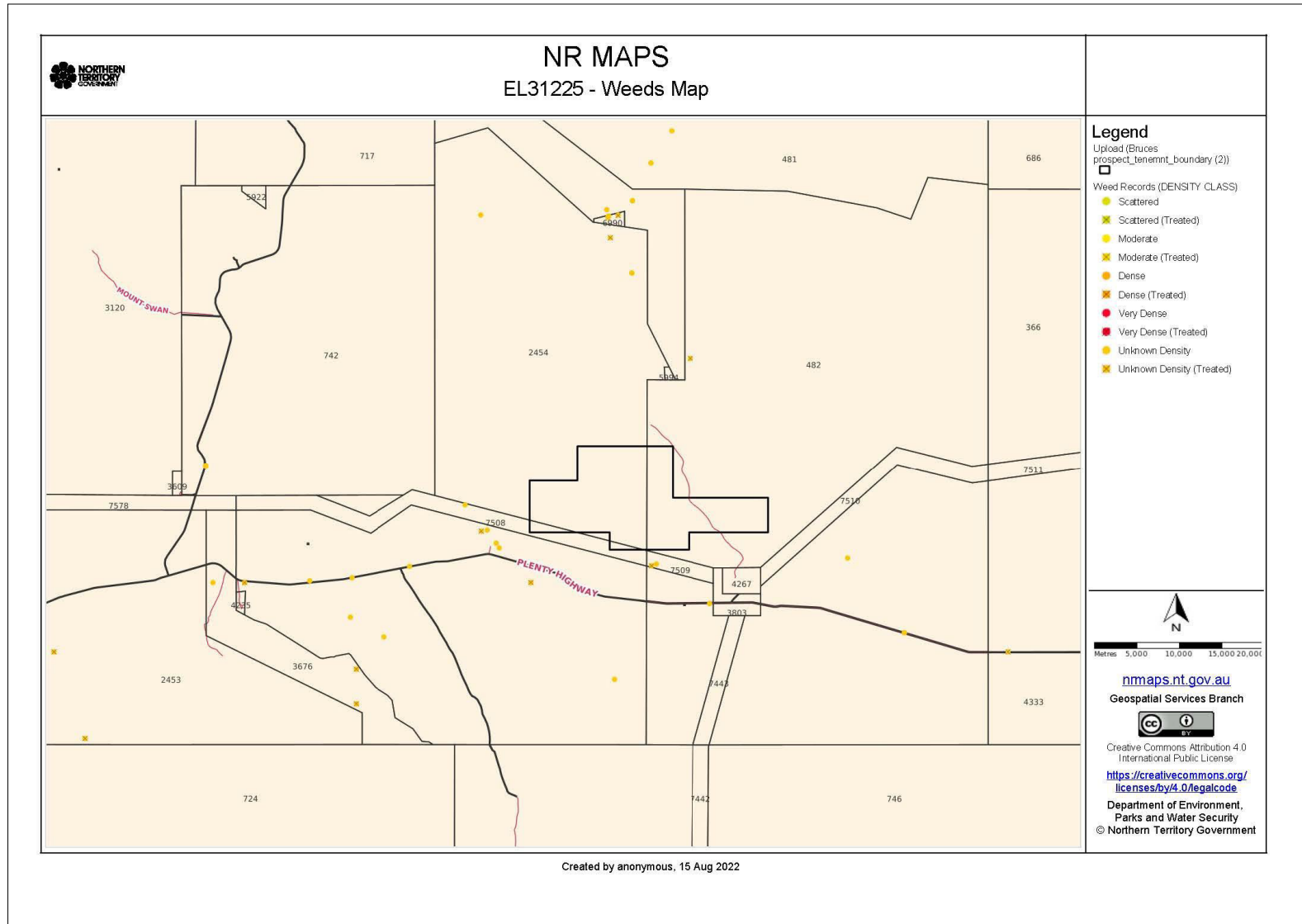
APPENDIX



## APPENDIX



## APPENDIX





## APPENDIX 5

Referring a proposal to the NT EPA

## Part 2 – Answer checklist

**Explanation:** Use questions 1-5 from part 1 of the screening tool. Indicate answer to questions 1-5 in corresponding checkbox. The table below gives an indication of the possible *environmental values* for each environmental factor that should be considered when considering each question. If the answer to a question is 'yes', it is possible that the proposal may have the potential to have a significant impact on the environment and the proposal should be referred to the NT EPA.

Theme	Environmental factor and objective	Indicative environmental values and sensitivities relevant to each environmental factor	Proponent's answer to screening questions 1-5. If answer is 'yes' referral is required
			Q1 Q2 Q3 Q4 Q5
			Yes <input type="checkbox"/> No <input type="checkbox"/>
LAND	1) Landforms	<ul style="list-style-type: none"> <li>distinctive features in the landscape, either geological or anthropogenic</li> <li>subterranean karstic terrain and faults</li> <li>craters, gorges, ranges, caves, massifs, escarpments, plateaus</li> <li>monuments</li> <li>tourism related to landforms</li> </ul>	Yes N/A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
	Objective: Conserve the variety and integrity of distinctive physical landforms.		No <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
			Uncertain <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
			Not Applicable <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
	2) Terrestrial environmental quality	<ul style="list-style-type: none"> <li>good quality soils, including chemical, physical, biological and aesthetic qualities that support life</li> <li>the biological processes that depend on soil quality</li> </ul>	Yes N/A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
	Objective: Protect the quality and integrity of land and soils so that environmental values are supported and maintained.		No <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
			Uncertain <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
			Not Applicable <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
	3) Terrestrial ecosystems	<ul style="list-style-type: none"> <li>'sensitive or significant' vegetation or buffers (as defined in the NT Land Clearing Guidelines)</li> <li>vegetation that provides an important ecological function</li> <li>listed threatened species and their habitat (NT and Commonwealth)</li> <li>listed migratory species and their habitat (Commonwealth)</li> </ul>	Yes N/A <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
	Objective: Protect terrestrial habitats to maintain environmental values including biodiversity,		No <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>



Referring a proposal to the NT EPA

Theme	Environmental factor and objective	Indicative environmental values and sensitivities relevant to each environmental factor	Proponent's answer to screening questions 1-5. If answer is 'yes' referral is required	Q1	Q2	Q3	Q4	Q5
	ecological integrity and ecological functioning.	<ul style="list-style-type: none"> <li>listed threatened ecological communities (Commonwealth)</li> <li>locally endemic species or species with restricted habitat</li> <li>species of social, cultural, livelihood and/or economic significance</li> <li>species that are data deficient and their status is unknown</li> <li>protected area or reserve, including Indigenous Protected Area</li> <li>existing conservation and management activities</li> <li>introduced species and/or invasive species</li> <li>integrity of terrestrial ecosystems and the ecological services they provide</li> <li>biological and functional diversity</li> <li>provision of refuge</li> <li>food supply</li> </ul>	Uncertain		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			Not Applicable		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
WATER	1) Hydrological processes <u>Objective:</u> Protect the hydrological regimes of groundwater and surface water so that environmental values including ecological health, land uses and the welfare and amenity of people are maintained.	<ul style="list-style-type: none"> <li>the supply and quantity of water in surface water features including rivers, lakes, wetlands, swamps, creeks, billabongs, intermittent streams, floodplains, mangroves and drainage lines</li> <li>the supply and quantity of water in groundwater features including aquifers, aquitards and water tables</li> <li>declared beneficial uses</li> <li>present and future uses, and users of water</li> <li>current or potential water supplies, including regional scale aquifers</li> <li>culturally important water features or other features affected by water level</li> </ul>	Yes	N/A	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			No		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			Uncertain		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			Not Applicable		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	2) Inland water environmental quality <u>Objective:</u> Protect the quality of groundwater and surface water so that environmental values including ecological health, land uses and the	<ul style="list-style-type: none"> <li>the quality of water in surface water features including rivers, lakes, wetlands, swamps, creeks, billabongs, intermittent streams, floodplains, mangroves and drainage lines</li> <li>the quality of water in groundwater features including aquifers and water tables</li> <li>declared beneficial uses</li> <li>present and future uses and users of water</li> <li>current or potential water supplies, including regional scale aquifers</li> <li>potability / drinkability</li> <li>culturally important water features</li> </ul>	Yes	N/A	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			No		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			Uncertain		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			Not Applicable		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Northern Territory Environment Protection Authority  
6 January 2021  
Page 26 of 33

Referring a proposal to the NT EPA

Theme	Environmental factor and objective	Indicative environmental values and sensitivities relevant to each environmental factor	Proponent's answer to screening questions 1-5. If answer is 'yes' referral is required	Q1	Q2	Q3	Q4	Q5
SEA	welfare and amenity of people are maintained.							
	3) Aquatic ecosystems <u>Objective:</u> Protect aquatic habitats to maintain environmental values including biodiversity, ecological integrity and ecological functioning.	<ul style="list-style-type: none"> <li>threatened species</li> <li>the health of the biota in inland waterways</li> <li>the habitats that support the lifecycle of aquatic biota</li> <li>groundwater dependent ecosystems</li> <li>Ramsar wetlands</li> <li>species of social, cultural, livelihood and/or economic significance</li> <li>integrity of aquatic ecosystems and the ecological services they provide</li> <li>biological and functional diversity</li> <li>provision of refuge</li> </ul>	Yes No Uncertain Not Applicable	N/A	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	1) Coastal processes <u>Objective:</u> Protect the geophysical and hydrological processes that shape coastal morphology so that the environmental values of the coast are maintained.	<ul style="list-style-type: none"> <li>processes that support marine ecosystems (see Marine Ecosystems Factor below) such as coral reefs, mangroves, salt marshes, seagrass meadows and sponge gardens</li> <li>primary productivity</li> <li>nutrient cycling</li> <li>carbon storage</li> <li>climate regulation</li> <li>conservation significant low lying areas including tidal creeks, deltas and river mouths</li> <li>storm surge protection</li> <li>unique coastal landforms</li> <li>cultural and aesthetic values</li> <li>active or passive recreation</li> </ul>	Yes No Uncertain Not Applicable	N/A	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	2) Marine Environmental Quality <u>Objective:</u> Protect the quality and productivity of water, sediment and	<ul style="list-style-type: none"> <li>quality of the water, sediment and biota</li> <li>ecosystem health condition</li> <li>physical parameters that support fishing and aquaculture</li> <li>physical parameters that support recreation and aesthetics</li> </ul>	Yes No	N/A	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Northern Territory Environment Protection Authority  
6 January 2021  
Page 27 of 33



Referring a proposal to the NT EPA

Theme	Environmental factor and objective	Indicative environmental values and sensitivities relevant to each environmental factor	Proponent's answer to screening questions 1-5. If answer is 'yes' referral is required	Q1	Q2	Q3	Q4	Q5
WATER	biota so that environmental values are maintained.	<ul style="list-style-type: none"> <li>industrial water supply</li> <li>cultural and spiritual values</li> </ul>	Uncertain		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			Not Applicable		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	3) Marine ecosystems	<ul style="list-style-type: none"> <li>conservation significant marine and coastal fauna and critical habitat such as nesting, breeding or foraging habitat</li> <li>conservation significant marine and coastal benthos, flora and vegetation (seagrass meadows, sponge gardens, coral reefs, mangrove communities and salt marshes)</li> <li>groups of species (species richness and assemblages of species)</li> <li>ecological functions and processes</li> <li>species of social, cultural, livelihood and/or economic significance.</li> <li>integrity of marine ecosystems and the ecological services they supply</li> <li>biological diversity</li> <li>functional diversity</li> <li>provision of refuge</li> <li>food supply</li> </ul>	Yes	N/A	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			No		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			Uncertain		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			Not Applicable		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
AIR	1) Air quality	<ul style="list-style-type: none"> <li>the chemical, physical and biological characteristics of quality air</li> <li>the biological processes that depend on the air quality</li> </ul>	Yes	N/A	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			No		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			Uncertain		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			Not Applicable		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	2) Atmospheric processes	<ul style="list-style-type: none"> <li>a contribution to the NT's greenhouse gas emissions</li> <li>adaptation to a changing climate</li> <li>capacity of communities and country to respond or adapt to climate change</li> </ul>	Yes	N/A	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			No		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
		Uncertain		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Northern Territory Environment Protection Authority  
6 January 2021  
Page 28 of 33

Referring a proposal to the NT EPA

Theme	Environmental factor and objective	Indicative environmental values and sensitivities relevant to each environmental factor	Proponent's answer to screening questions 1-5. If answer is 'yes' referral is required					
			Q1	Q2	Q3	Q4	Q5	
	net zero greenhouse gas emissions by 2050.		Not Applicable					
PEOPLE	1) Community and economy <b>Objective:</b> Enhance communities and the economy for the welfare, amenity and benefit of current and future generations of Territorians.	<ul style="list-style-type: none"> <li>• dwellings, homelands, communities, towns and suburbs where people live</li> <li>• liveable environment                             <ul style="list-style-type: none"> <li>◦ good amenity – air quality, noise, aesthetics</li> <li>◦ access to natural resources including bush food</li> <li>◦ recreational use of the natural or built environment (e.g. fishing, cycling, sports, picnics)</li> <li>◦ access to social infrastructure and services including transport and logistics</li> </ul> </li> <li>• Healthy lifestyles                             <ul style="list-style-type: none"> <li>◦ sense of wellbeing</li> <li>◦ good mental health</li> <li>◦ community aspirations</li> </ul> </li> <li>• Financial security                             <ul style="list-style-type: none"> <li>◦ affordable access to food, water, electricity, transport and communication networks</li> <li>◦ livelihoods</li> </ul> </li> <li>• participation in jobs, businesses and education</li> <li>• existing industries such as agriculture, pastoralism, tourism, fisheries</li> <li>• vulnerable sectors of the community</li> <li>• connections to culture and community (that are not explicitly protected under culture and heritage legislation addressed in the Culture and heritage factor)                             <ul style="list-style-type: none"> <li>◦ Aboriginal rights and interests, including right of access</li> <li>◦ cultural practices</li> <li>◦ sense of belonging, inclusion, connectedness and cohesion</li> <li>◦ healthy social relationships</li> </ul> </li> </ul>	Yes	N/A	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
			No		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			Uncertain		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			Not Applicable		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Northern Territory Environment Protection Authority  
6 January 2021  
Page 29 of 33

Referring a proposal to the NT EPA

Theme	Environmental factor and objective	Indicative environmental values and sensitivities relevant to each environmental factor	Proponent's answer to screening questions 1-5. If answer is 'yes' referral is required	Q1	Q2	Q3	Q4	Q5
	2) Culture and heritage <u>Objective:</u> Protect sacred sites, culture and heritage.	<ul style="list-style-type: none"> <li>sacred sites</li> <li>historic heritage and places</li> <li>world heritage</li> </ul>	Yes	N/A	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			No		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			Uncertain		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			Not Applicable		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	3) Human health <u>Objective:</u> Protect the health of the Northern Territory population.	<ul style="list-style-type: none"> <li>drinking water</li> <li>recreational water</li> <li>air quality</li> <li>bush tucker</li> <li>radiological limits</li> <li>biting insects</li> </ul>	Yes	N/A	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			No		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Uncertain				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
			Not Applicable		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Where the screening has been undertaken by a suitably qualified person and all responses in the checklist are 'no', a referral to the NT EPA is not required. In the case of a suitably qualified person identifying that a referral is not required, the NT EPA and DEPWS does not require the completed checklist to be submitted, however it should be retained by the proponent to demonstrate the screening has been conducted, and the name and qualifications of the professional who conducted the screening.

As identified above, the screening tool is a guide, and may not cover the full range of environmental values or impacting activities.