

Mining Management Exploration Activities - 31 March 2022

Northern Territory of Australia – *Mining Management Act 2001* **31 March 2022**

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

Project Name Provide new or existing project name	Suplejack North Project
Authorisation Number Insert existing authorisation number, where applicable	0966-01
Operator Name Use ASIC-ABR registered name (if a company), or name of the applicant	Prodigy Gold NL
Operator ABN and ACN numbers	ACN: 009 127 020 ABN: 58 009 127 020
Location and Access Details Include brief description of the location, access details, and distance to nearest town or community	<p>The Suplejack North project area is located within the Suplejack Pastoral Lease. The closest major settlements are Halls Creek located in Western Australia, approximately 260km to the west, and Yuendumu, approximately 360km to the southeast.</p> <p>Access to site is via the Tanami Road, then via the Lajamanu road or Groundrush haul road and various access tracks established by previous explorers and operators.</p>
Target Commodity Details Include target mineral commodities (i.e. gold, copper etc.)	Gold
Mining Activities 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>Proposed exploration drilling including:</p> <p><u>1st phase:</u> EL31331 - 33 RC/DD tail holes</p> <p><u>2nd phase:</u> EL31331 – 25 RC/DD tail holes EL31530 - 8 RC holes</p>

Mining Management Exploration Activities - 31 March 2022

Proposed Schedule Include start and finish dates of ground disturbing work	June to December 2022
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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
EL31331	Prodigy Gold NL	12//07/2022	Suplejack Pastoral Lease
EL31332	Prodigy Gold NL	13/07/2022	Suplejack Pastoral Lease
EL31530	Prodigy Gold NL	24/10/2023	Suplejack Pastoral Lease
EL32055	Prodigy Gold NL	3/07/2025	Suplejack Pastoral Lease

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	Mark Edwards
Exploration Manager	Edward Keys
Environmental Manager	Gary Ferris
Tenement Manager	Amanda Schwartz

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).
Step 1: Are there any threatened flora and fauna species or habitats of significance that may occur in the proposed work area?	Yes	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.	Biodiversity Plan
Step 2: Are there any known declared weeds within the proposed work area?	Yes	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).	Weed Management Plan
Step 3: 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.	Water sourced from Wilsons Camp or by arrangement with Suplejack Station. Prodigy has an exemption from the requirement to obtain a water licence. See App 8.12

Environmental assessment and cultural considerations

ASSESSMENT ASPECT	YES or NO	MANAGEMENT REQUIREMENTS
<p>Step 4: Is your project likely to have a significant impact on the environment?</p>	No	Refer to the NTEPA Environmental Factors and Objectives Guideline.
<p>Step 5: Are there Aboriginal sacred sites in the Project area?</p>	No	<p>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.</p> <p>No sites identified from AAPA register search or Central Land Council SSCC within the areas subject to proposed drilling.</p>
<p>Step 6: Are there archaeological and heritage sites in the Project area?</p>	No	<p>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>.</p> <p>Seek advice in relation to protection of heritage and archaeological sites.</p>

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
Mining Interests	Addition of EL32055
Organisational Structure	Amended to include new incumbents
Step 3 – Water	Advice that water licensing exemption approved
Activities Proposed	New Phase 1 & Phase 2 programmes added

Delete or add rows as required

Section 4 – Activities Proposed for this MMP only

Provide relevant EL numbers

Mining Interests (i.e. titles)	EL31331	EL	EL
1st Stage Programme			
Number and type of proposed exploration drill holes	33 RC/DD		
Maximum depth of proposed holes (m)	300		
Number and size of drill pads to be cleared (Length: 30m x Width: 30m)	33		
Total area of drill pads to be cleared (ha)	2.97		
Number of proposed water bores			
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	Unsure		
Number of sumps	33		
Volume to backfill sumps (Length: 2m x Width:2m x Depth: 1m) = m ³	132 m ³		
Line/track clearing: (length m x width 3 m)	8.8kms		
Area of proposed line/track clearing (ha)	2.64		
Camp area to be cleared (ha)	nil		
Camp Infrastructure (i.e. demountable, tents) Please provide a complete list with measurements as required in the security calculation	Tents/Caravan at existing Tregony camp		
Other			
Total proposed area of disturbance (ha)	5.57 ha		

Mining Management Exploration Activities - 31 March 2022

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

Mining Interests (i.e. titles)	EL31331	EL31530
2nd Stage Programme		
Number and type of proposed exploration drill holes	25 RC/DD	8 RC/DD
Maximum depth of proposed holes (m)	300	250
Number and size of drill pads to be cleared (Length: 30m x Width: 30m)	25	8
Total area of drill pads to be cleared (ha)	2.25	0.72
Number of proposed water bores		
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	Unsure	Unsure
Number of sumps		
Volume to backfill sumps (Length: 2m x Width: 2m x Depth: 1m) = m ³		
Line/track clearing: (length m x width 3 m)	Infill	5km
Area of proposed line/track clearing (ha)	0	1.5
Camp area to be cleared (ha)		
Camp Infrastructure (i.e. demountable, tents) Please provide a complete list with measurements as required in the security calculation	Caravan/ Tents – existing camp at Tregony	Caravan/ Tents – existing camp at Tregony
Other		
Total proposed area of disturbance (ha)	2.25 ha	2.22 ha

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 - 31 March 2022

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:

6.7 Sumps for RC and AC (if required) will not be lined. RC sumps will be used to control groundwater discharge. Lining RC sumps is not practical as not all RC holes will intersect water and using a liner restricts water dispersal to evaporation only slowing down the remediation process. DD holes will be lined as it important to contain and recycle drilling water and contain drilling fluids and cuttings

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:




7.7 All access tracks will be remediated with the exception of AC/RAB lines. Experience in the Tanami region has shown that, given the limited clearing undertaken for AC/RAB drilling, ripping with machinery at the end of a program creates more significant disturbance. Monitoring of AC/RAB lines is scheduled and remediation will be completed if required

Section 8 – Required Attachments

8.1	N/A	Initial Application for Authorisation or variation of Authorisation (only if details on the form have subsequently changed).
8.2	N/A	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	√	Map(s) of the work area(s) showing: <ol style="list-style-type: none"> 1. title boundaries and title numbers 2. current and proposed drill holes, or polygons of target areas 3. current and proposed tracks 4. rehabilitated areas 5. camp sites 6. heritage sites or significant environmental areas 7. environmental constraints
8.10	N/A	Radiation Management Plan (if applicable)
8.12		Document(s) being appended in relation to Section 2 (if any): <ul style="list-style-type: none"> - Water Licensing exemption correspondence -

Section 9 – Declaration

The Mining Management Plan must be endorsed by a senior representative of the company who has the appropriate level of authority to do so.

	Author	Reviewed by	Approved by
Date	30/03/2022	31/03/2022	31/03/2022
Name	Gillian McBain	Edward Keys	Edward Keys
Signature		 ED KEYS	 ED KEYS

I ...Edward Keys, Exploration Manager, declare that I have the authority to make the commitments contained in this mining management plan on behalf of the company. To the best of my knowledge the information contained in this plan is true and correct and commit to undertake the works in accordance with the agreed minimum standards and all relevant Northern Territory and Commonwealth Government legislation.

 ED KEYS

31 March 2022