



Application for Works Approval Amendment

Part V Division 3 of the *Environmental Protection Act 1986*

Works Approval Number	W6504/2021/1
Works Approval Holder	Norton Gold Fields Pty Limited
ACN	112 287 797
File Number	DER2021/000023
Premises	Binduli North Minesite Legal description - Mining tenements M26/115, M26/243, M26/387, M26/420, M26/430, M26/445, M26/446, M26/447, M26/468, M26/474, M26/629 and M26/833 As defined by Figure 1 attached to the Revised Works Approval
Date of Report	29 November 2023
Decision	Revised works approval granted

**A/Manager Resources Industries
Regulatory Services**

an officer delegated under section 20 of the *Environmental Protection Act 1986* (WA)

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1. Decision summary

Works Approval W6504/2021/1 is held by Norton Gold Fields Pty Limited (Works Approval Holder) for the Binduli North Minesite (the Premises), located on Mining tenements: M26/115, M26/243, M26/387, M26/420, M26/430, M26/445, M26/446, M26/447, M26/468, M26/474, M26/629 and M26/833.

This Amendment Report documents the assessment of potential risks to the environment and public health from proposed changes to the emissions and discharges during the construction and operation of the Premises. As a result of this assessment, Revised Works Approval W6504/2021/1 has been granted.

2. Scope of assessment

2.1 Regulatory framework

In completing the assessment documented in this Amendment Report, the department has considered and given due regard to its Regulatory Framework and relevant policy documents which are available at <https://dwer.wa.gov.au/regulatory-documents>.

2.2 Application summary

On 8 August 2023, the Works Approval Holder submitted an application to the Department to amend Works Approval W6504/2021/1 under section 59 and 59B of the *Environmental Protection Act 1986* (EP Act). The following amendments are being sought:

- Expansion of the emergency pond (EMP) from 105,380 m³ to 197,760 m³ and the expansion of the sediment pond from 7,733 m³ to 74,170 m³. The proposed expansion of the ponds is a result of the Works Approval Holder requiring additional clay for the construction of stage 2 Heap Leach Ponds (Figure 1).
- Construction of a dewatering pipeline leading from Apache pit connecting to the existing mine dewatering pipeline. After Apache Pit has been mined to completion the Works Approval Holder intends to use Apache Pit as a discharge location for mine dewater. The Works Approval Holder has requested that Apache Pit is added to the authorised discharge points within Works Approval W6504/2021/1.
- Amendment to a condition relating to the requirement of all pipelines to have leak detection and automatic cut off functions and instead provide a condition that allows the Works Approval Holder to either have the pipelines:
 - equipped with telemetry systems and pressure sensors to detect leaks and failures;
 - equipped with automatic cut-outs; or
 - pipeline to be within secondary containment that is sufficient to contain a spill until the next pipeline routine inspection.
- Proposed amendment for an additional condition which allows the Works Approval Holder to vary the placement of dewatering infrastructure were the discharge location remains the same so long as there is no increase risk to public, amenity or the environment.
- Construction of an additional washdown bay located approximately 800 m east of Janet Ivy pit as presented in Figure 1.

This amendment is limited only to changes to Category 5, 6, 7 and 12 activities from the existing Works Approval. No changes to the aspects of the existing Works Approval relating to

Category 52 and 64 have been requested by the Works Approval Holder.

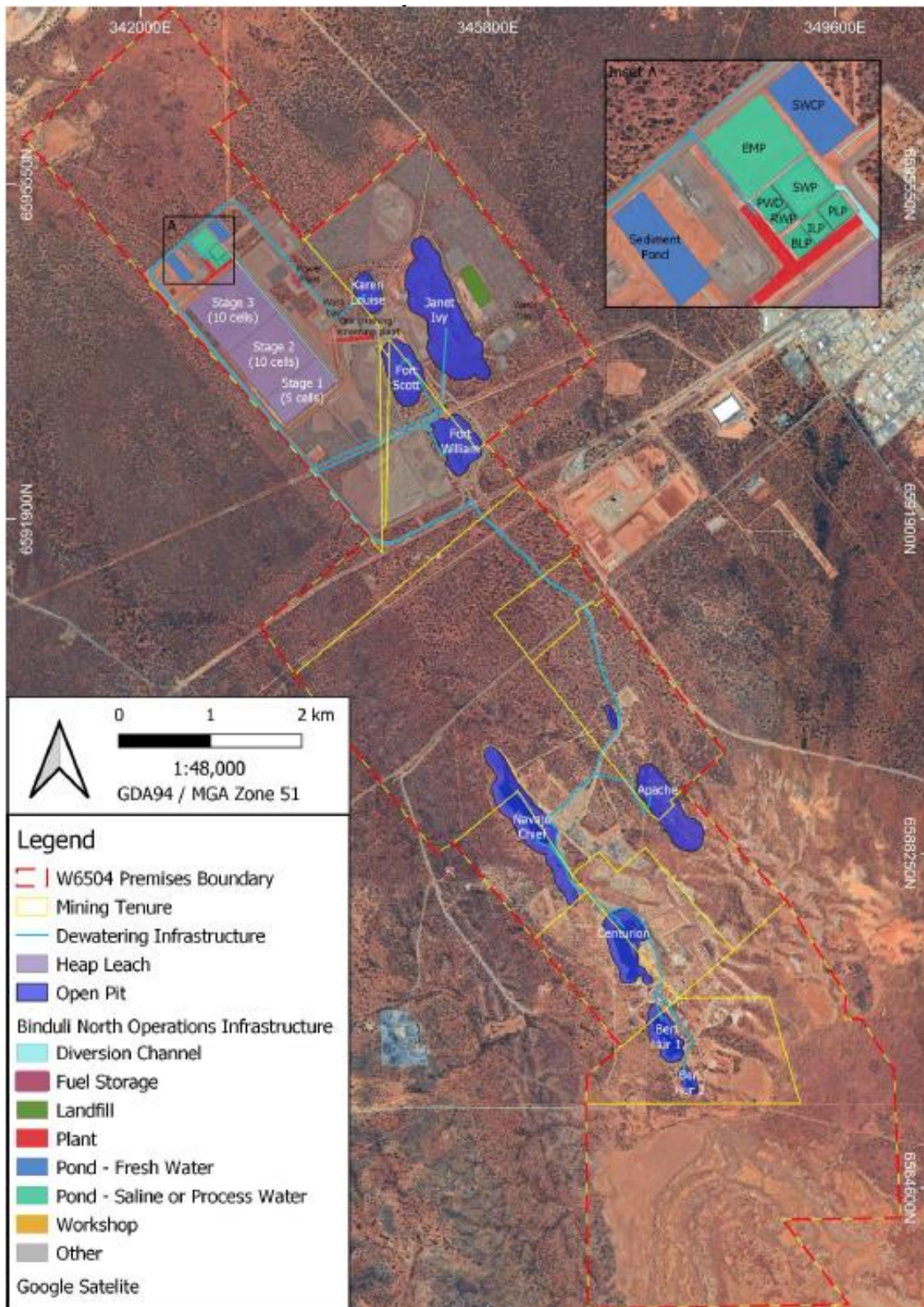


Figure 1: Prescribed premises and site infrastructure

2.3 Mining Proposals

As of October 2023 under mining proposal 120599 Department of Mines, Industry Regulation

and Safety (DMIRS) has granted the Works Approval Holder the increase and change of design to the following items relating to this amendment:

- Expansion of the EMP;
- Expansion of the sediment pond; and
- Construction of the additional washdown bay.

3. Risk assessment

The department assesses the risks of emissions from prescribed premises and identifies the potential source, pathway and impact to receptors in accordance with the *Guideline: Risk assessments* (DWER 2020).

To establish a Risk Event there must be an emission, a receptor which may be exposed to that emission through an identified actual or likely pathway, and a potential adverse effect to the receptor from exposure to that emission.

3.1 Source-pathways and receptors

3.1.1 Emissions and controls

The key emissions and associated actual or likely pathway during premises construction and operation which have been considered in this Amendment Report are detailed in Table 1 below.

Table 1 also details the proposed control measures the Works Approval Holder has proposed to assist in controlling these emissions, where necessary.

Table 1: Works Approval Holder controls

Emission	Sources	Potential pathways	Proposed controls
Dust	Vehicle movements, earthworks etc.	Air/windborne pathway	<ul style="list-style-type: none"> • Water cart for wetting down of roads when required; • Regular visual inspections of the site; • Complaints management and investigation; and • Onsite vehicle speeds limited.
Noise	Crushing and screening of material for construction, general construction activities.	Air/windborne pathway	<ul style="list-style-type: none"> • Company Noise Management Plan (NMP); and • Complaints register.
Sediment laden water	Washdown Bay	Direct discharge to land	<ul style="list-style-type: none"> • Installed purpose-built silt trap.
	Sediment Pond	Overtopping or leaching of the pond	<ul style="list-style-type: none"> • Holding capacity of sediment pond is 74,170 m³ and • Freeboard of 0.3 m;
Cyanide, gold, saline and/or process water.	Emergency Pond (EMP)	Overtopping or leaching of EMP	<ul style="list-style-type: none"> • Holding capacity of EMP is 197,760 m³; and • EMP lined with 1.5mm HDPE over a compacted soil layer to maintain a minimum permeability of 3.5 x 10⁻¹⁵m/s.

Emission	Sources	Potential pathways	Proposed controls
Hydrocarbons	Storage and usage of hydrocarbons (diesel for generators and vehicles) general spillage at wash down bays.	Direct discharge to land	<ul style="list-style-type: none"> Spill kit available on site; Appropriate bunding for hydrocarbon storage; Hardstands and bunding at washdown; Workshop with oil/water separator; and Dispose of all contaminated waters to an off-site licensed facility.
Hypersaline water	Mine dewatering pipeline	Direct discharge to land via overtopping/leaking/leaching	<ul style="list-style-type: none"> Telemetry shutoff and leak detection; Catch pits installed at low points; Pipelines bunded or buried; and Twice-daily inspections when operational.
	Apache Pit		<ul style="list-style-type: none"> Pit capacity of approximately 13,900,000 m³.

3.1.2 Receptors

In accordance with the *Guideline: Risk assessments* (DWER 2020), the Delegated Officer has excluded employees, visitors and contractors of the Works Approval Holder's from its assessment. Protection of these parties often involves different exposure risks and prevention strategies and is provided for under other state legislation.

Table 2 below provides a summary of potential human and environmental receptors that may be impacted as a result of activities upon or emission and discharges from the prescribed premises (*Guideline: Environmental siting* (DWER 2020)).

Table 2: Sensitive human and environmental receptors and distance from prescribed activity

Human receptors	Distance from prescribed activity
Industrial/commercial/residential premises	<p>The nearest industrial/commercial/residential buildings are located approximately 0.6 kms northeast and of the premises.</p> <p>The new proposed washdown bay location is located approximately 1.4 kms northwest of the Industrial/commercial/residential buildings (R1 and R2, Figure 2).</p>
Environmental receptors	Distance from prescribed activity
Native Vegetation (Mixed Eucalyptus woodlands)	<p>Native vegetation appears both within and surrounds the prescribed premises.</p> <ul style="list-style-type: none"> Native vegetation appears approximately 25 m (closer than the original proposed works) northwest (across a road) from the emergency pond and sediment pond. Scattered vegetation is present to the north and west of the proposed Apache pit. (Apache pit will be located amongst other pits nearby). Native vegetation is also present near the

	additional proposed (eastern most) wash bay approximately 10 m away.
Surface water lines and bodies	<p>No bodies of water or water lines appear to be present amongst the northern portion of the prescribed premises (location of emergency pond and sediment pond). The closest receptor is an ephemeral body of water that is located approximately 1.5 km northwest of the emergency pond.</p> <p>Proposed Apache pit (at the southern portion of the prescribed premises) appears to have ephemeral water lines running through it into a non-perennial lake located approximately 350 m southeast of Apache.</p>
Priority or Threatened Flora (Screened out)	<p>Priority and threatened flora were identified nearby the prescribed premises. Nearby identified priority and threatened flora are presented below:</p> <ul style="list-style-type: none"> • P2 flora species is located approximately 3 to 6 kms from the proposed wash bay at the eastern portion of the prescribed premise. The sightings were recorded between 1994 and 2000. • P3 flora was identified approximately 3 kms from the proposed Apache pit. The siting was in 1993. • P2 flora was identified approximately 3.5 to 4.5 kms from the proposed Apache pit. Recordings ranged between 1994 and 2005. <p>No other priority or threatened flora was identified within 5 km of the prescribed premises boundary.</p> <p>Due to the distance from the activities, priority and threatened flora are not considered as a receptor.</p>
Native Fauna (Screened out)	<p>Native fauna is expected to vacate the site due to noise emissions generated during both the construction phase and time limited operations phase.</p> <p>Therefore, native fauna is discounted as a receptor for the risk assessment.</p>
Priority or Threatened Fauna (Screened out)	<p>Priority and threatened fauna were identified nearby the prescribed premises. Identified priority and threatened fauna are presented below:</p> <ul style="list-style-type: none"> • Migratory and priority birds were identified approximately 3.8 kms northwest from the proposed washdown bay, recorded 1981. • P1 invertebrate was identified approximately 2.4 kms West by southwest from the proposed Apache pit, recorded 1997. • Migratory and Priority birds were identified approximately 2.8 kms south from the proposed Apache pit, recorded 2017. <p>No other priority or threatened fauna was identified</p>

	<p>within 5 km of the prescribed premises boundary.</p> <p>Due to the distance from the activity, the migratory pattern of the birds and the dates the fauna was recorded priority and threatened fauna are discounted and not considered as a receptor.</p>
<p>Kurrawang Nature Reserve (DBCA Legislative tenure) (Screened out)</p>	<p>Located adjacent to the west side of the prescribed premises boundary and approximately 3.0 kms from Apache pit and 4.5 kms south of the sediment pond.</p> <p>Due to the distance from the activity and receptor it is concluded that the amendment will not change the risk to the Kurrawang Nature Reserve and will be discounted for this assessment.</p>
Heritage receptors	Distance from prescribed activity
<p>Binduli Rock Hole (PlaceID: 21047)</p>	<p>The Binduli Rock Hole is situated adjacent to the prescribed premises and it located approximately 600 m southeast from the new proposed wash bay.</p> <p>The site type is classified as a “Historical, Mythological, Natural Feature, Water Source.”</p>
<p>No Name Rock Hole (PlaceID: 848) (Screened out)</p>	<p>The rock hole is located approximately 100 m from the prescribed premises and is located approximately 2.3 kms south southeast from the proposed Apache pit.</p> <p>It’s noted that the non-perennial lake is located between Apache pit and the rock hole.</p> <p>Due to the distance from the receptor and the non-perennial lake between Apache pit and the rock hole this receptor has been discounted for this assessment.</p>
<p>White Lake (PlaceID: 15137) and S10 (PlaceID 36772) (Screened out)</p>	<p>Receptors are located within the prescribed premises and is approximately 2.8 km south of the Apache pit.</p> <p>Due to the distance from the activity and receptors the receptors are discounted for the risk assessment.</p>
<p>Lake Douglas Gnamma Hole (Place ID: 17025) and Navajo Chief 2 (Place ID: 30586) (Screened out)</p>	<p>Receptors are located within the prescribed premises and is approximately 1.7 km southwest of the Apache pit.</p> <p>Due to the distance from the activity and receptors the receptors are discounted for the risk assessment.</p>
<p>Kurrawang (Place no: 7385) and Yamatji Ngurra Burial (Place ID: 26174) (Screened out)</p>	<p>Receptors are located within the prescribed premises and is approximately 1.5 to 2.8 km southwest of the prescribed premises.</p> <p>Due to the distance from the activity and receptors the receptors are discounted for the risk assessment.</p>

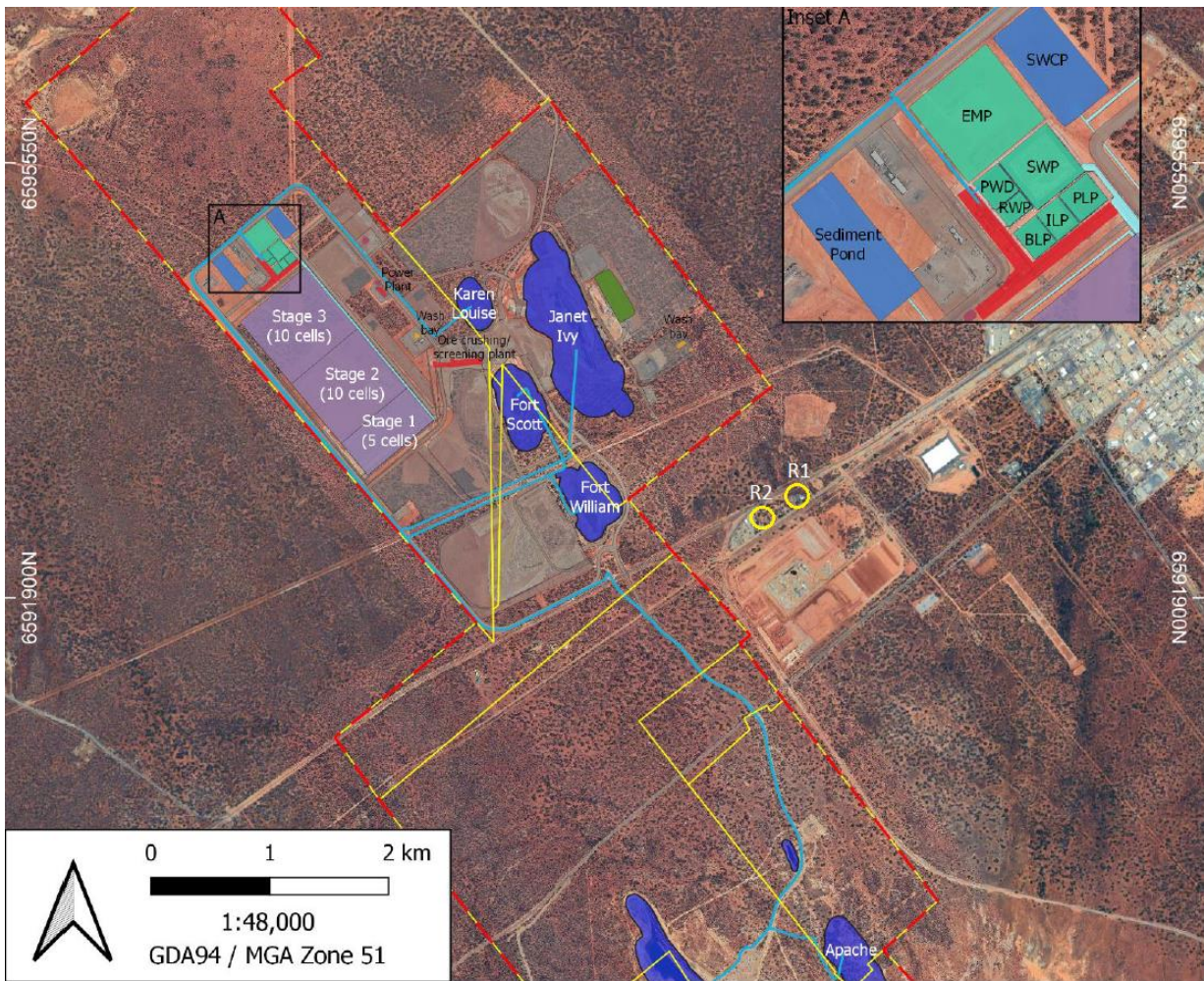


Figure 2: Distance to sensitive receptors

3.2 Risk ratings

Risk ratings have been assessed in accordance with the *Guideline: Risk Assessments* (DWER 2020) for those emission sources which are proposed to change and takes into account potential source-pathway and receptor linkages as identified in Section 3.1. Where linkages are in-complete they have not been considered further in the risk assessment.

Where the Works Approval Holder has proposed mitigation measures/controls (as detailed in Section 3.1), these have been considered when determining the final risk rating. Where the Delegated Officer considers the Works Approval Holder's proposed controls to be critical to maintaining an acceptable level of risk, these will be incorporated into the works approval as regulatory controls.

Additional regulatory controls may be imposed where the Works Approval Holder's controls are not deemed sufficient. Where this is the case the need for additional controls will be documented and justified in Table 3.

The Revised Works Approval W6504/2021/1 that accompanies this Amendment Report authorises construction and time-limited operations. The conditions in the Revised Works Approval have been determined in accordance with *Guidance Statement: Setting Conditions* (DER 2015).

A licence is required following the time-limited operational phase authorised under the works approval to authorise emissions associated with the ongoing operation of the Premises i.e. discharging mine dewater to Apache pit. A risk assessment for the operational phase has been included in this Amendment Report, however licence conditions will not be finalised until the department assesses the licence application.

Table 3. Risk assessment of potential emissions and discharges from the Premises during construction and operation

Risk Event					Risk rating ¹ C = consequence L = likelihood	Works Approval Holder's controls sufficient?	Conditions ² of works approval	Justification for additional regulatory controls / comments
Source/Activities	Potential emission	Potential pathways and impact	Receptors	Works Approval Holder's controls				
Construction								
Construction of washdown bay [Vehicle and plant movement and construction of infrastructure]	Dust and Noise	Pathways • Dust transported off site via air and windborne.	Native Heritage site (Binduli Rock Hole); and Residences located approximately 1.2 kms southeast of the washdown bay.	Refer to Section 3.1.1	C = Slight L = Unlikely Low Risk	Y	N/A	N/A
	Hydrocarbons	Impact • Degradation to human health or reduced site amenity.			C = Slight L = Unlikely Low Risk	Y	N/A	N/A
Heap Leach Operations Infrastructure - Expansion of Emergency Pond and - Expansion of Sediment Pond [Vehicle and plant movement and construction of infrastructure] and Construction of dewatering pipeline from Apache Pit	Dust and Noise	Pathways • Dust and noise transported off site via air and windborne. Impact • Impacts to offsite amenity; and • Degradation to human health and/or reduced site amenity.	Native vegetation; and Residences located approximately 3.5 kms northeast of Apache Pit.	Refer to Section 3.1.1	C = Slight L = Possible Low Risk	Y	N/A	N/A
	Hydrocarbons	Pathways • Direct discharge to land. Impact • Contamination of soil and/or damage to native vegetation or receptors.	Localised soil; Adjacent native vegetation; and Surface water lines and bodies.		C = Slight L = Unlikely Low Risk	Y	N/A	N/A
Operation (including time-limited-operations operations)								
Additional washdown bay	Sediment and Hydrocarbons	Pathways • Emissions flowing off the hardstand. Impact • Direct contact of hydrocarbons to native vegetation; or • Sediment smothering of native vegetation.	Adjacent Native vegetation	Refer to Section 3.1.1	C = Slight L = Unlikely Low Risk	Y	Condition 1	N/A
Heap Leach Operations Infrastructure Emergency Pond and Sediment Pond	Sediment laden water and Potentially contaminated stormwater	Pathways • Overtopping of ponds causing discharge of emissions to the environment. Impact • Direct contact with nearby soils and remanent vegetation.	Native vegetation	Refer to Section 3.1.1	C = Minor L = Unlikely Medium Risk	Y	Condition 1	The likelihood the ponds overtopping has been reduced from the previous assessment from "Possible" to "Unlikely." This is due to the increase size of the ponds however it does not affect the risk rating which remains at "Medium."
		Pathways • Leaching of water through the pond base			C = Slight L = Unlikely	Y	Condition 1	N/A

Risk Event					Risk rating ¹ C = consequence L = likelihood	Works Approval Holder's controls sufficient?	Conditions ² of works approval	Justification for additional regulatory controls / comments
Source/Activities	Potential emission	Potential pathways and impact	Receptors	Works Approval Holder's controls				
		and/or walls. Impact <ul style="list-style-type: none"> Infiltration of potentially contaminated stormwater affecting nearby receptors; and Groundwater mounding. 			Low Risk			
Mine dewater discharge to Apache	Hypersaline water	Pathways <ul style="list-style-type: none"> Leaks or spills from the pipeline resulting in a discharge to the environment. Impact <ul style="list-style-type: none"> Direct contact with receptors. 	Native vegetation	Refer to Section 3.1.1	C = Minor L = Unlikely Medium Risk	Y	<ul style="list-style-type: none"> Condition 1 Condition 8 Condition 12 	N/A
		Pathways <ul style="list-style-type: none"> Overtopping of pit resulting in a discharge to the environment. Impact <ul style="list-style-type: none"> Direct contact with receptors. 	Native vegetation; Non-perennial water line; and Non-perennial lake (350 m southeast of pit).		C = Minor L = Unlikely Medium Risk	N	<ul style="list-style-type: none"> Condition 13 Condition 14 – freeboard 	The original assessment for the works approval did not result in a freeboard requirement being conditioned for the discharge pits. However, it is noted that a freeboard of 5 meters below crest level was committed to in the original works approval application. It is also noted that the discharge pits authorized under the premises licence has a freeboard of 6 meters below crest level conditioned.
		Pathways <ul style="list-style-type: none"> Leaching of water through the pit base and/or walls. Impact <ul style="list-style-type: none"> Infiltration of potentially contaminated stormwater affecting nearby receptors Groundwater mounding 	Native vegetation; and Non-perennial lake (350 m southeast of pit)		C = Minor L = Unlikely Medium Risk	Y	Condition 14	As it's proposed for multiple movements of water between the pits at the premises and to reduce the likelihood of overtopping and impacts to vegetation from groundwater mounding it has been deemed necessary to condition a requirement for a 6 meter below crest level or lower freeboard to be maintained on all of the discharge pits. This has been added to the licence in the form of a standing water level limit outlined in condition 14. N/A
Change in controls for dewatering pipeline containment infrastructure	Dewater effluent and Brine discharge	Pathways <ul style="list-style-type: none"> Leaks or spills from the pipeline resulting in a discharge to the environment. Impact <ul style="list-style-type: none"> Direct contact with receptors. 	Native vegetation; and Third party infrastructure	Refer to Section 3.1.1	C = Minor L = Unlikely Medium Risk	Y	<ul style="list-style-type: none"> Condition 1 Condition 8 Condition 12 	No change in risk rating. Condition 1 and condition 8 have been updated as requested to allow pipelines to have secondary containment or telemetry/cut outs (and not both). This is consistent with the pipeline requirements on the premises licence.

Note 1: Consequence ratings, likelihood ratings and risk descriptions are detailed in the *Guideline: Risk assessments* (DWER 2020).

Note 2: Proposed Works Approval Holder's controls are depicted by standard text. **Underlined text** depicts additional regulatory controls imposed by department.

4. Consultation

Table 4 provides a summary of the consultation undertaken by the department.

Table 4: Consultation

Consultation method	Comments received	Department response
Works Approval Holder was provided with draft amendment on 23 November 2023	Works Approval Holder waived the 21-day consultation period.	Noted.

5. Conclusion

Based on the assessment in this Amendment Report, the Delegated Officer has determined that a Revised Works Approval will be granted, subject to conditions commensurate with the determined controls and necessary for administration and reporting requirements.

The Works Approval holder's request for a condition to be added to the works approval which allows the Works Approval Holder to vary the placement of dewatering infrastructure where the discharge location remains the same etc. has not been accepted. However, a note has been added to table 1 which indicates that pipeline routes shown in Figure 1 are indicative only. If minor changes to the pipeline routes are required, the works approval holder is recommended to provide justification for any changes within construction compliance documentation submitted to the department.

5.1 Summary of amendments

Table 5 provides a summary of the proposed amendments and will act as record of implemented changes. All proposed changes have been incorporated into the Revised Works Approval as part of the amendment process.

Table 5: Summary of works approval amendments

Condition no.	Proposed amendments
Front Page	Amended Premise details description to include reference to figure presenting the prescribed premises boundary.
Condition 1: Item 6	Emergency pond holding capacity amended from 105,380 m ³ to 197,760 m ³ .
	Note added to table 1 to indicate that pipeline routes in Figure 1 are indicative only.
Condition 1: Item 7	Sediment pond holding capacity amended from 7,733 m ³ to 74,170 m ³ .
Condition 1: Item 11	Removed "All pipelines to have leak detection and automatic cut of functions;" and added "All pipeline containing dewater effluent or brine discharge are either: <ul style="list-style-type: none"> a) equipped with telemetry systems and pressure sensors along pipelines to allow the detection of leaks and failures; b) equipped with automatic cut-outs in the event of a pipe failure; or c) provided with secondary containment sufficient to contain any spill for a period equal to the time between routine inspections."
Condition 1: Item 12	Added grammatical correction to add an additional washdown bay to the infrastructure list and reference to Figure 1 for location.

Condition 8	<p>Removed “All pipelines to be located within adequate bunding or sub-surface;” and added “All pipeline containing dewater effluent or brine discharge are either:</p> <ul style="list-style-type: none"> ○ equipped with telemetry systems and pressure sensors along pipelines to allow the detection of leaks and failures; ○ equipped with automatic cut-outs in the event of a pipe failure; or ○ provided with secondary containment sufficient to contain any spill for a period equal to the time between routine inspections.”
Condition 13	Added Apache Pit to the table of authorised discharge points.
Condition 14	Added Apache Pit to the table of surface water monitoring points
	Added a limit for pit standing water levels (6 meter below create level freeboard).
Figure 1	<p>Updated Figure 1 to include:</p> <ul style="list-style-type: none"> - changes of pond sizes as detailed in this amendment report; - dewatering pipelines leading from Ben Hur Pits; - proposed Apache Pit and dewatering pipeline leading from it; - stage 2 and stage 3 of the heap leach ponds; and - location of second way bay. <p>Note added to outline that pipeline routs are indicative only.</p>

References

1. Department of Environment Regulation (DER) 2015, *Guidance Statement: Setting Conditions*, Perth, Western Australia.
2. Department of Water and Environmental Regulation (DWER) 2020, *Guideline: Environmental Siting*, Perth, Western Australia.
3. DWER 2020, *Guideline: Risk Assessments*, Perth, Western Australia.
4. Norton Gold Fields 2023, Application for an amendment to Works Approval W6504/2021/1 under the *Environmental Protection Act 1986*.

Appendix 2: Application validation summary

SECTION 1: APPLICATION SUMMARY				
Application type				
Works approval	<input type="checkbox"/>			
Licence	<input type="checkbox"/>	Relevant works approval number:		None <input type="checkbox"/>
		Has the works approval been complied with?	Yes <input type="checkbox"/> No <input type="checkbox"/>	
		Has time limited operations under the works approval demonstrated acceptable operations?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input type="checkbox"/>	
		Environmental Compliance Report / Critical Containment Infrastructure Report submitted?	Yes <input type="checkbox"/> No <input type="checkbox"/>	
		Date Report received:		
Renewal	<input type="checkbox"/>	Current licence number:		
Amendment to works approval	<input checked="" type="checkbox"/>	Current works approval number:	W6504/2021/1	
Amendment to licence	<input type="checkbox"/>	Current licence number:		
		Relevant works approval number:		N/A <input type="checkbox"/>
Registration	<input type="checkbox"/>	Current works approval number:		None <input type="checkbox"/>
Date application received	8 August 2023			
Applicant and Premises details				
Applicant name/s (full legal name/s)	Norton Gold Field Pty Limited			
Premises name	Binduli North Minesite			
Premises location	Mining tenements: M26/115, M26/243, M26/387, M26/420, M26/430, M26/445, M26/446, M26/447, M26/468, M26/474, M26/629, M26/833			
Local Government Authority	City of Kaloorlie-Boulder			
Application documents				
HPCM file reference number:	A2194877			
Key application documents (additional to application form):	Premises Map Proposed Activities Amendment summary			
Scope of application/assessment				

<p>Summary of proposed activities or changes to existing operations.</p>	<p>Works approval amendment</p> <p>Norton Gold Field Pty Limited (Works Approval Holder) has applied for the following amendments to their current Works Approval (W6504/2021/1).</p> <p>As of October 2023 the increase and change of design to infrastructure has been granted by DMIRS under Mining Proposal: 120599.</p> <p>Emergency Pond</p> <p>The emergency pond forms part of the processing infrastructure associated with the <u>heap leaching operations</u>. The pond acts as an overflow from the <u>Storm Water Pond</u>.</p> <p>The Works Approval Holder has requested to increase the volume of the pond from 105,380 m³ to 197,760 m³. The amendment is being sought as the Works Approval Holder needs additional clay for the stage 2 of the heap leach construction. The clay will be sourced from the emergency pond expansion.</p> <p>Sediment Pond</p> <p>The sediment ponds' purpose is to capture potentially high sediment loads resulting from cleared land during the heap leach construction phases.</p> <p>The Works Approval Holder has requested to increase the volume of the Sediment Pond from 7,733 m³ to 74,170 m³. Like the emergency pond expansion the proposed amendment is due to the result of the need of acquiring additional clay material for stage 2/3 of the heap leach construction.</p> <p>Dewatering Infrastructure</p> <p>The Works Approval Holder gained approval to mine a new deposit (Apache). Norton proposes to initially dewater the proposed pit and discharge to either a current approved discharge point or use the water for processing.</p> <p>Once mining has been completed the Works Approval Holder then intends to use the empty Apache pit as a discharge location for mine dewater.</p> <p>Pipeline Amendment</p> <p>The Works Approval Holder has requested to include a condition within works approval W6504/2021/1 making all pipelines to be equipped with either:</p> <ul style="list-style-type: none"> - A telemetry system and pressure sensors along the pipeline; - Equipped with automatic cut-outs in event of pipe failure; and - Have secondary containment sufficient to contain a spill between scheduled pipe inspections. <p>It's noted the same approval is listed in another instrument that the Works Approval possess (Licence L9362/2022/1)</p>
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Discharge Location

The Works Approval Holder has requested additional flexibility for the location of dewatering infrastructure. Added flexibility will not change any approved discharge locations and will not increase the risk to public and the environment. The Works Approval Holder has requested to include a condition from similar instruments:

The works approval holder must not depart from the requirements specified in Column 2 or Column 3 of Table 1 or Table 2 except:

(a) where such departure does not increase risks to public health, public amenity or the environment; and

(b) all other Conditions in this Works Approval are still satisfied.

Washdown Bay

The Works Approval Holder has requested an additional location be added to the Works Approval. The Works Approval Holder mentions there will be no change to the design, construction, installation and operational requirements.

Heap Leach

Stage 2 and 3 of the Heap Leach designed stacking profile has been updated. Design was changed to improve stability during operations. Works Approval Holder is intending to notify DMIRS through a mining proposal amendment. The proposed change of the Heap Leach design does not change any current conditions within Works Approval W6504/2021/1 and no further assessment will be completed for this change.

Figure Updates

The Works Approval Holder has also requested to update the figure within the works approval to include the pipeline leading to Ben Hur Pits and the proposed new infrastructure.

Category number/s (activities that cause the premises to become prescribed premises)

Table 1: Prescribed premises categories

Prescribed premises category and description	Assessed production capacity	Proposed changes to the production or design capacity
Category 5: Processing or beneficiation of metallic or non-metallic ore.	5,000,000 tonnes per annual period	No proposed change
Category 6: Mine dewatering	1,500,000 tonnes per annual period	No proposed change
Category 7: Vat or in situ leaching of material	5,000,000 tonnes per annual period	No proposed change
Category 12: Screening, etc. of material	925,000 tonnes per annual period	No proposed change
Category 52: Electric power generation	13 MW capacity	No proposed change
Category 64: Class II or III putrescible landfill site	350 tonnes per annual period	No proposed change

Legislative context and other approvals

Has the applicant referred, or do they intend to refer, their proposal to the EPA under Part IV of the EP Act as a significant proposal?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Referral decision No: Managed under Part V <input checked="" type="checkbox"/> Assessed under Part IV <input type="checkbox"/>
Does the applicant hold any existing Part IV Ministerial Statements relevant to the application?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Ministerial statement No: EPA Report No:
Has the proposal been referred and/or assessed under the EPBC Act?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Reference No:
Has the applicant demonstrated occupancy (proof of occupier status)?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Mining lease / tenement <input checked="" type="checkbox"/> Expiry: <ul style="list-style-type: none"> - M26/115 – Bellamel Mining Pty Ltd – 16/03/2029 - M26/243 - Bellamel Mining Pty Ltd – 11/06/2032 - M26/387 - Bellamel Mining Pty Ltd – 10/12/2034 - M26/420 - Bellamel Mining Pty Ltd – 16/09/2035 - M26/430 - Bellamel Mining

		Pty Ltd – 24/10/2035 - M26/445 - Bellamel Mining Pty Ltd – 19/01/2037 - M26/446 – Norton Gold Fields Pty Ltd – 29/11/2036 - M26/468 – Norton Gold Fields Pty Ltd – 3/11/2039 - M26/474 – Bellamel Mining Pty Ltd – 3/11/2039 - M26/629 – Bellamel Mining Pty Ltd – 19/09/2042 - M26/833 – Norton Gold Fields Pty Ltd – 27/01/2036
Has the applicant obtained all relevant planning approvals?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	Approval: N/A Expiry date: N/A No approvals needed as construction is taking place on mining tenements under relevant mining proposals.
Has the applicant applied for, or have an existing EP Act clearing permit in relation to this proposal?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	CPS No: 8950-1
Has the applicant applied for, or have an existing CAWS Act clearing licence in relation to this proposal?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Application reference No: N/A Licence/permit No: N/A
Has the applicant applied for, or have an existing RIWI Act licence or permit in relation to this proposal?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Application reference No: N/A Licence/permit No: GWL167686 (6,450,000 kL)
Does the proposal involve a discharge of waste into a designated area (as defined in section 57 of the EP Act)?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Name: N/A Type: N/A Has Regulatory Services (Water) been consulted? Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/> Regional office: N/A

<p>Is the Premises situated in a Public Drinking Water Source Area (PDWSA)?</p>	<p>Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p>	<p>Name: N/A Priority: N/A Are the proposed activities / landuse compatible with the PDWSA (refer to 9)? Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/></p>
<p>Is the Premises subject to any other Acts or subsidiary regulations (e.g. <i>Dangerous Goods Safety Act 2004, Environmental Protection (Controlled Waste) Regulations 2004, State Agreement Act xxxx</i>)</p>	<p>Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p>	<p><i>Environmental Protection (Noise) Regulations 1997</i></p>
<p>Is the Premises within an Environmental Protection Policy (EPP) Area?</p>	<p>Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p>	
<p>Is the Premises subject to any EPP requirements?</p>	<p>Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p>	
<p>Is the Premises a known or suspected contaminated site under the <i>Contaminated Sites Act 2003</i>?</p>	<p>Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p>	<p>Classification: N/A Date of classification: N/A Closest site is "Remediated for restricted use" and is approximately 2 km northeast of the prescribed premises boundary.</p>