



Application for Licence Amendment

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

Licence Number	L8644/2012/1
Licence Holder	Big Bell Gold Operations Pty Ltd
ACN	090 642 809
File Number	2012/002162-1
Premises	Cue Gold Operations – Tuckabianna Project Mining Tenements: M20/55, M20/108, M20/111, M20/176, M20/183, M20/195, M20/208 and M20/247 CUE WA 6640 As depicted in Schedule 1
Date of Report	8 September 2023
Decision	Revised licence granted

Alana Kidd

Manager, Resource Industries

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

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1. Decision summary

Licence L8644/2012/1 is held by Big Bell Gold Operations Pty Ltd (Licence Holder) for the Cue Gold Operations – Tuckabianna Project (the Premises), located at Mining Tenements M20/55, M20/108, M20/111, M20/176, M20/183, M20/195, M20/208 and M20/247, Cue.

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 Licence L8644/2012/1 has been granted.

The revised Licence issued as a result of this amendment consolidates and supersedes the existing Licence previously granted in relation to the Premises.

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 28 June 2023, the Licence Holder submitted an application to the department to amend Licence L8644/2012/1 under section 59 and 59B of the *Environmental Protection Act 1986* (EP Act). The following amendments are being sought:

- An increase to category 61 – liquid waste facility production capacity from 500,000 tonnes to 1,000,000 tonnes per annual period. It should be noted that Category 61 is *premises on which liquid waste produced on other premises (other than sewerage waste) is stored, reprocessed treated or irrigated*.
- Removal of condition 6 and 7 related to the construction and reporting of the dewatering pipelines where compliance has been met on 5 April 2023 and the pipelines are in operation.

The amendment also sought for a full assessment of the following Category 5 activities were requested:

- Construction, commissioning, and operation of a new paddock style TSF (TSF3) at 480 RL, with a total footprint area of 46.3 hectares (ha) and a tailings storage area of approximately 38 ha.
- Removal of monitoring bores TBS3 and TBS4, which are located within the footprint of the proposed TSF3. Monitoring bores will be destroyed during construction and operational phases of the facility. Replacement monitoring bores will be constructed around the TSF3 perimeter.

However, correspondence from the Department of Mines, Industry Regulation and Safety (DMIRS) advised on 3 August 2023 that an updated Mining Proposal for the inclusion of the new TSF3 was yet to be submitted by the Applicant and there would be a delay in receiving advice from DMIRS on geotechnical and safety aspects of the TSF3. The Department advised the Applicant of this delay. The Applicant requested on 14 August 2023 that only the amendments to category 61 and administrative changes be assessed. The Applicant informed the Department that a subsequent Licence amendment application will be submitted for the new TSF3 at a later date.

This amendment is limited only to changes to Categories 6 and 61 activities from the existing Licence. No changes to the aspects of the existing Licence relating to Categories 5 and 64 have been requested by the Licence Holder.

Table 1 below outlines the proposed changes to the existing Licence.

Table 1: Proposed production capacity changes

Category	Current production capacity	Proposed production capacity	Description of proposed amendment
Category 5: Processing or beneficiation of metallic or non-metallic ore	1,400,000 tonnes per annual period	No change	-
Category 6: Mine dewatering	1,700,000 tonnes per annual period	No change	Removal of condition 6 and 7 related to dewatering pipeline compliance
Category 61: Liquid waste facility	500,000 tonnes per annual period	1,000,000 tonnes per annual period	Increase in production capacity
Category 64: Class II putrescible landfill site	500 tonnes per annual period	No change	-

2.3 Other approvals

The Licence Holder has provided the following information relating to other approvals as outlined in Table 2.

Table 2: Relevant approvals

Legislation	Number	Approval
<i>Mining Act 1978</i>	Mining Proposal Reg ID 106123	Recent Mining Proposal and Mine Closure Plan for the Tuckabianna Group (S0000734) approved on 3 November 2022. The Licence Holder will submitting a revised Mining Proposal and Mine Closure Plan to be assessed by the DMIRS for a future proposed TSF.
<i>Environmental Protection Act 1986</i>	CPS 9435/1	Clearing for the development of TSF3 has been approved under the Native Vegetation Clearing Permit CPS 9435/1 that permits a total clearing of 250 ha for the period of 26 February 2022 to 25 February 2027.
<i>Rights in Water and Irrigation Act 1914</i>	GWL 207613(1)	Approval for the combined abstraction of up to 1,700,000 kilolitres (kL) of water from pits and production bores across the Tuckabianna Project including Friars pit.

2.4 Increased discharge into Friars Pit

The transfer of dewatering wastewater into the Friars Pit from the Comet Project is currently approved under Licence L8644/2012/ (Tuckabianna Project) and L8978/2016/1 (Comet Project). The approved production capacity under Licence L8644/2012/1 for category 61: liquid waste facility wastewater is 500,000 tonnes per annual period. The applicant is seeking approval

to increase the dewatering wastewater received from the Comet Project to 1,000,000 tonnes per annual period. The projected dewatering and storage volumes are provided in Table 3. The water distribution network for the Tuckabianna Project is provided in Figure 1.

Table 3: Projected dewatering and storage volumes

Pit	Volume (m ³)		Water quality	
	Current water volume	Pit capacity	pH	Total Dissolved Solids (TDS)
Comet ¹	0	210,594	7.4	5,800
Comet North ¹	286,993	571,771	7.8	2,600
Pinnacles ¹	0	535,531	7.9	7,700
Eclipse ¹	184,355	476,183	7.7	6,200
Venus ¹	367,144	772,966	8	5,900
Friars	618,682	2,067,780	8.3	2,800

Note 1: Licence L8978/2016/1 approved open pits for dewatering with discharge to Friars Pit.

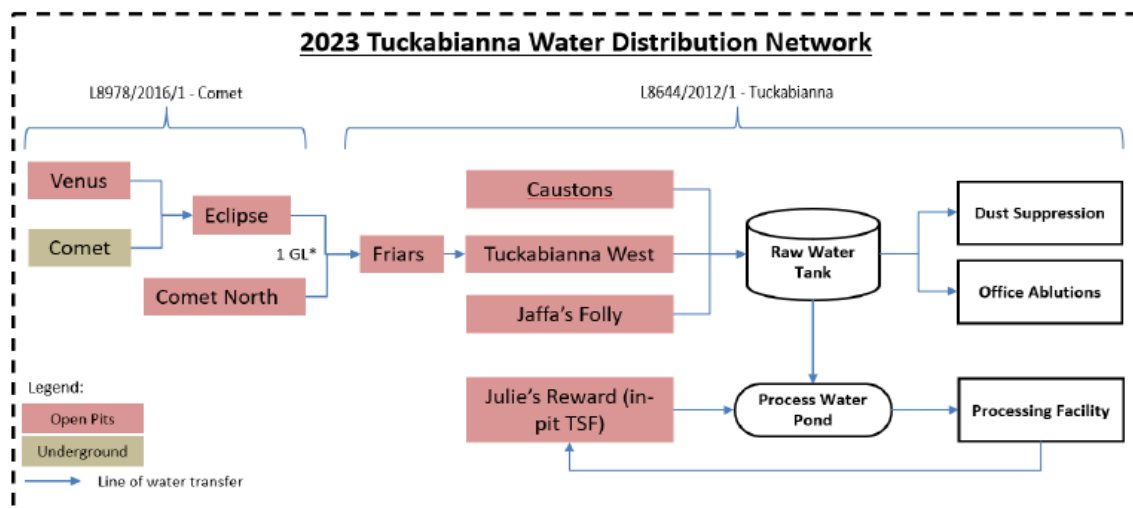


Figure 1: Proposed dewatering activities and proposed volume.

The original water table level at Friars Pit was approximately 427 metres Australian Height Datum (mAHD) and has fallen to 410.5 mAHD post mining and as water has been pumped from the pit for dust suppression. Rockwater (2022) prepared a hydrogeology report that includes a water balance model for Friars Pit suggesting after the cessation of pumping water into the pit, groundwater inflows and water pumped to the pit will raise the water level. It's estimated that once the pit water level is above 418 mAHD, seepage from the pit will occur with the seepage rate increasing to 190 m³/day when the pit water level is at 435 mAHD.

It is expected that up to one gigalitre of dewatering wastewater will be transferred from Comet pits over a 12-month period. Approximately 171,276 kilolitres (kL) of dewatering wastewater pumped to the Friars standpipe will be utilised for dust suppression and the remainder will be utilised at the Tuckabianna Mill. The total capacity in Friars Pit is 2,067,780 kL with the current volume of water at 666,621 kL. Approximately 401, 159 kL remains before freeboard is reached. The Licence Holder assumes the following assumptions related to the abstraction and discharge calculations:

- water will be pumped from Comet pits to Friars Pit at a rate of 31 litres per second (L/s); and
- water in the Friars Pit will be consumed on a continual supply and demand balanced basis.

Recent water sampling of the dewatering wastewater at the Comet North Pit (June 2023) and the water contained within the Friars Pit (March 2023) is presented in Table 4. For both pits no concentrations exceeding the Australian and New Zealand Environment and Conservation Council (ANZECC) & Agriculture and Resource Management Council of Australia and New Zealand (ARMCANZ) 2000 water quality guidelines for livestock (ANZECC & ARMCANZ 2000).

Table 4: Comet North Pit and Friars Pit water quality comparison

Sample Id	Units	Comet North Pit	Friars Pit	Livestock drinking DGVs (ANZECC & ARMCANZ 2000)
Calcium	mg/L	200	150	1000
Magnesium	mg/L	90	140	-
Sodium	mg/L	740	530	-
Potassium	mg/L	28	27	-
Bicarbonate	mg/L	110	160	-
Sulfate	mg/L	460	580	1000
Chloride	mg/L	1300	1000	-
Lead	mg/L	<0.001	<0.001	0.1
TDS	µS/cm	3200	2800	5000
pH	pH	8.1	8.3	-
Carbonate	mg/L	<1	<1	-
Fluoride	mg/L	0.9	0.5	2
Nitrite	mg/L	0.08	<0.05	30
Nitrate	mg/L	9.8	3.0	400
Hardness	mg/L	880	970	-
Arsenic	mg/L	0.027	0.003	0.5
Cadmium	mg/L	0.0003	<0.0001	0.01
Cobalt	mg/L	<0.001	<0.001	1
Chromium	mg/L	<0.001	0.002	1
Copper	mg/L	0.002	<0.001	1
Iron	mg/L	<0.005	<0.005	-
Manganese	mg/L	0.009	<0.001	-
Zinc	mg/L	0.019	<0.005	20
Mercury	mg/L	<0.00005	<0.00005	0.002

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 2020a).

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 7 below.

Table 5 also details the proposed control measures the Licence Holder has proposed to assist in controlling these emissions, where necessary.

Table 5: Licence Holder controls

Sources / activities	Emission	Potential pathways	Proposed controls
Category 61 - Operation			
Increased capacity of mine dewatering wastewater from the nearby Comet Project (L8978/2016/1) discharged into the Friars Pit	Seepage of mine dewatering wastewater from the Friars Pit	Seepage through unlined pit	<ul style="list-style-type: none"> routine monitoring of the discharge wastewater quality; and routine monitoring of the standing water level within the pit to ensure a suitable freeboard is maintained.
	Discharge of mine dewatering wastewater from overtopping of Friars Pit	Direct discharge and overland flow	<ul style="list-style-type: none"> daily inspections to maintain the freeboard; and extraction of pit water for use in the Tuckabianna Process Plant and for onsite dust suppression.
	Discharge of dewatering wastewater due to pipeline leaks and ruptures	Direct discharge and overland flow	<ul style="list-style-type: none"> pipeline infrastructure will be placed within a v-drain to limit movement and to capture any spills or releases. The v-drain will be constructed to allow any uncontrolled releases to flow to the discharge location; and daily visual inspections of pipelines, other infrastructure, and the vegetation near the proposed pipeline route for any leaks or spills.
Mine dewatering wastewater from the Comet Project pit utilised for onsite dust suppression for roads and cleared areas	Saline mine dewatering water	Overspray or runoff during dust suppression operations (e.g., action of spraying saline water)	<ul style="list-style-type: none"> minimise spray drift onto vegetation alongside roads by using dribble bars; and water will be consumed by the Tuckabianna Processing Facility on a supply and demand basis.

3.1.2 Receptors

In accordance with the *Guideline: Risk assessments* (DWER 2020a), the Delegated Officer has excluded employees, visitors, and contractors of the Licence 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 6 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 2020b)).

Table 6: Sensitive human and environmental receptors and distance from prescribed activity

Human receptors	Distance from prescribed activity
Yarraquin Homestead	Approximately 10.5 km south-east from the prescribed premises boundary. Screened out due to distance too great for the receptor to be impacted by the proposed prescribed activities.
Environmental receptors	Distance from prescribed activity
Public Drinking Water Source Area <i>Cue Water Reserve</i>	Approximately 9.5 km west of the premises boundary
Surface water – minor non-perennial water course	The ephemeral creek originates north of TSF2 and runs immediately to the west before turning to the south-west. The ephemeral creek intersects a main creek line approximately 2.5 km to the south of the Premises. During heavy rainfall events the main creek discharges into Lake Austin located approximately 5 km south of the Premises.
Surface water – <i>Lake Austin</i> Lake Austin is a significant salt lake system that supports micro-organisms which provide a food source for local and migratory bird species.	Approximately 10 km south of the southern portion of the premises boundary.
Groundwater Historically flows in a south direction towards Lake Austin.	Historical groundwater located 26-27 metres below ground level (mbgl). Electromagnetic and resistivity surveys around TSF2 in March 2021 indicated water levels of between 12 to 18 mbgl.
Tuckabeena Well	Within the premises. Applicant states that the “reserved area within the PPB (Tenement M 20/108) with no plans for development or future utilization.”
Threatened and Priority Ecological Communities 1. <i>Lake Austin vegetation complexes (banded ironstone formation)</i> P1 2. <i>Austin Land System</i> P3	Approximately 3.7 km southeast from the premises boundary.
Threatened and Priority flora 1. <i>Acacia speckii</i> P4 2. <i>Prostanthera ferricola</i> P3	1. Approximately 5 km outside the premises. 2. Approximately 9 km north from Friars Pit outside the premises boundary. 3. Within the premises boundary. Considered endemic to the

<ol style="list-style-type: none"> 3. <i>Drummondita miniata</i> P3 4. <i>Sida picklesiana</i> P3 5. <i>Dodonaea amplicemina</i> P4 6. <i>Calotis</i> sp. Perrinvale Station P3 <p>No species protected by the <i>Environment Protection and Biodiversity Conservation Act 1999</i> (EPBC Act) or the <i>Biodiversity Conservation Act 2016</i> (BC Act) were recorded in the Survey Area.</p>	<p>Murchison bioregion. One plant was located 200m to the south of TSF2.</p> <ol style="list-style-type: none"> 4. Within the premises boundary. A single plant was also recorded in the drainage line, 600m south of TSF2. 5. Located outside the premises boundary approximately 2 km. 6. Within the premises boundary. <p>Screened out priority flora due to the distances from Friars Pit</p>
<p>Threatened and Priority fauna</p> <ol style="list-style-type: none"> 1. West Coast Mulga Slider (<i>Lerista eupoda</i>) P1 2. Malleefowl (<i>Leipoa ocellata</i>) Vulnerable 3. Shield-backed Trapdoor Spider (<i>Idiosoma nigrum</i>) Vulnerable 4. Curlew Sandpiper (<i>Calidris ferruginea</i>) Critically Endangered 	<ol style="list-style-type: none"> 1. Western Ecological survey (2021) considered the potential for the slider to inhabit the survey area due to suitable habitat. However no records in the survey area. 2. Recorded within the premises boundary, approximately 5.5 km north northeast of Friars Pit (historic undated record). 3. Recorded at Weld Range. 4. Recorded 15 km southwest from the premises boundary. <p>Screened out the Curlew Sandpiper due to distance and the Malleefowl due to no recent records.</p>
<p>Aboriginal and other heritage sites</p> <ol style="list-style-type: none"> 1. Heritage Site ID 6200 – South Tree Scar (Lodged) 2. Heritage Site ID 6199 - Tuckabianna South-West Artefacts/Scatter (Lodged) 3. Heritage Site ID 6257 - Webbs Patch Artefacts/Scatter/Water Source (Registered) 4. Heritage Site ID 10787 - Cue East Artefacts/Scatter/Painting, Rockshelter, Arch Deposit, Camp (Registered) 5. Heritage Site ID 10736 – Painting (Registered) 6. Heritage Site ID 10738 – Cue Artefacts / Scatter / Man-Made Structure / Skeletal Material / Burial (Lodged) 7. Heritage Site ID 10735 – Muir’s Site 05. Engraving, Named Place, Water Source (Registered) 	<ol style="list-style-type: none"> 1. Approximately 200 m west from the premises boundary. 2. Approximately 690 m southwest from the premises boundary. 3. Approximately 3.4 km south of the premises boundary. 4. Approximately 3 km east from the premises boundary. 5. Approximately 3.7 km northwest from the premises boundary. 6. Approximately 2.9 km east from the premises boundary. 7. Approximately 4.5 km west from the premises boundary. <p>The applicant has stated that “<i>the listed heritage places are located outside of the premises boundary and will be unaffected by the mine site activities. No clearing is proposed</i>”.</p>

3.2 Risk ratings

Risk ratings have been assessed in accordance with the *Guideline: Risk Assessments* (DWER 2020a) for those emission sources which are proposed to change and takes into account potential source-pathway and receptor linkages as identified in Section 0. Where linkages are incomplete they have not been considered further in the risk assessment.

Where the Licence Holder has proposed mitigation measures/controls (as detailed in Section 0), these have been considered when determining the final risk rating. Where the Delegated Officer considers the Licence Holder's proposed controls to be critical to maintaining an acceptable level of risk, these will be incorporated into the licence as regulatory controls.

Additional regulatory controls may be imposed where the Licence Holder's controls are not deemed sufficient. Where this is the case the need for additional controls will be documented and justified in Table 7.

The Revised Licence L8644/2012/1 that accompanies this Amendment Report authorises emissions associated with the operation of the Premises.

The conditions in the Revised Licence have been determined in accordance with *Guidance Statement: Setting Conditions* (DER 2015).

Table 7. Risk assessment of potential emissions and discharges from the Premises during construction, commissioning, and operation

Risk Event					Risk rating ¹ C = consequence L = likelihood	Licence Holder's controls sufficient?	Conditions ² of licence	Justification for additional regulatory controls
Source/Activities	Potential emission	Potential pathways and impact	Receptors	Licence Holder's controls				
Category 61 - Operation								
Increased capacity of mine dewatering wastewater from the nearby Comet Project (L8978/2016/1) discharged into the Friars Pit	Seepage of mine dewatering wastewater from the Friars Pit	Seepage through unlined pit causing contamination of the groundwater, soil, vegetation, and ephemeral creek	Groundwater Surrounding soils Surface water / nearby minor creek Surrounding native vegetation	Refer to Section 3.1	C = Slight L = Unlikely Low Risk	Y	Conditions 1, 2, 3, 9, 10, 11, 12, 13, 15, 16, 17, 18, 19, 20, 21, 22	N/A
	Discharge of mine dewatering wastewater from overtopping of the Friars Pit	Direct discharge and overland flow Detrimental impacts on soil and aquatic biota and reduction in vegetation health due to saline water	Surrounding soils Surface water / nearby minor creek Surrounding native vegetation	Refer to Section 3.1	C = Slight L = Unlikely Low Risk	Y	Conditions 1, 2, 3, 9, 10, 11, 12, 13, 15, 16, 17, 18, 19, 20, 21, 22	N/A
Discharge of dewatering wastewater due to pipeline leaks and ruptures	Dewatering wastewater	Direct discharge and overland flow Detrimental impacts on soil and aquatic biota and reduction in vegetation health due to saline water	Surrounding soils Surface water / nearby minor creek Surrounding native vegetation	Refer to Section 3.1	C = Slight L = Possible Low Risk	Y	Conditions 1, 2, 3, 4, 5, 9, 10, 11, 12, 13, 15, 16, 17, 18, 19, 20, 21, 22	N/A
Mine dewatering wastewater from the Comet Project pit utilised for onsite dust suppression for roads and	Saline mine dewatering wastewater	Overspray or runoff during dust suppression operations (e.g.,	Surrounding native vegetation Soil	Refer to Section 3.1	C = Slight L = Unlikely	Y	Conditions 1, 2, 3, 9, 10, 11, 12, 13, 15, 16, 17, 18, 19, 20, 21, 22	General provisions of the EP Act apply regarding Environmental

Licence: L8644/2012/1

Risk Event					Risk rating ¹ C = consequence L = likelihood	Licence Holder's controls sufficient?	Conditions ² of licence	Justification for additional regulatory controls
Source/Activities	Potential emission	Potential pathways and impact	Receptors	Licence Holder's controls				
cleared areas		action of spraying saline water) Saline mine dewatering wastewater on native vegetation impacting vegetation health and cause erosion / sedimentation			Low Risk			Harm.

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

Note 2: Proposed Licence Holder's controls are depicted by standard text. **Bold and underline text** depicts additional regulatory controls imposed by department.

4. Consultation

Table 8 provides a summary of the consultation undertaken by the department.

Table 8: Consultation

Consultation method	Comments received	Department response
DMIRS advised of proposal on 27 July 2023	DMIRS replied on 15 August 2023 stating that have no comments regarding the proposal.	-
Licence Holder was provided with draft amendment on 29 August 2023	No comments were received and the Licence Holder requested to waive the remaining comment period.	-

5. Conclusion

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

5.1 Summary of amendments

Table 9 provides a summary of the proposed amendments and will act as record of implemented changes. All proposed changes have been incorporated into the Revised Licence as part of the amendment process.

Table 9: Summary of licence amendments

Condition no.	Proposed amendments
Cover page	Amended Schedule 1 category table of the assessed design capacity for category 61 from 500,000 to 1,000,000 tonnes per annual period.
Licence History	Inclusion of the amendments to increase design capacity for category 61 and removal of redundant conditions 6 and 7.
2 Table 2	Under the emission 'Wastewater from dewatering of mined pits at EP Act Licence L8978/2016/1 (Comet Project)', addition of the wastewater being used for dust suppression for roads and cleared areas only.
3 Table 3	Amend limit from 500,000 to 1,000,000 tonnes per annual period for Friars Pit.
6 Table 6	Removal of redundant condition and table as dewatering pipelines have been constructed.
7	Removal of redundant condition as dewatering pipelines compliance report was submitted and deemed compliant.
8 to 24	Conditions numbers have been amended from 8 to 24 to 6 to 22 after the removal of the redundant conditions 6 and 7 as stated above.
Table 7 to 13	Table numbers have been amended from 7 to 13 to 6 to 12 after the removal of the redundant condition 6, Table 6 as stated above.
16	Updated condition numbers referred within the condition due to the removal of redundant

Condition no.	Proposed amendments
	conditions 6 and 7.
17	Updated condition numbers referred within the condition due to the removal of redundant conditions 6 and 7. Amended the term 'licence holder' to 'Licence Holder' to be consistent throughout the licence.
19 Table 11	Updated reference numbers to tables and condition within Table 11 due to redundant conditions 6, Table 6 and 7.
22 Table 12	Updated reference number to condition within Table 12 due to redundant conditions 6 and 7.
Definitions Table 13	Amendments to existing definitions and terms. Removal of redundant definitions and terms. Addition of new definitions and terms.

References

1. Australian and New Zealand Environment and Conservation Council (ANZECC) & Agriculture and Resource Management Council of Australia and New Zealand (ARMCANZ) 2000, *Australian and New Zealand Guidelines for Fresh and Marine Water Quality*, Canberra, Australia.
2. Department of Environment Regulation (DER) 2015, *Guidance Statement: Setting Conditions*, Perth, Western Australia.
3. Department of Water and Environmental Regulation (DWER) 2020a, *Guideline: Risk Assessments*, Perth, Western Australia.
4. DWER 2020b, *Guideline: Environmental Siting*, Perth, Western Australia.

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 type="checkbox"/>	Current works approval number:		
Amendment to licence	<input checked="" type="checkbox"/>	Current licence number:	L8644/2012/1	
		Relevant works approval number:	N/A	<input checked="" type="checkbox"/>
Registration	<input type="checkbox"/>	Current works approval number:	None	<input type="checkbox"/>
Date application received	28/06/2023			
Applicant and Premises details				
Applicant name/s (full legal name/s)	Big Bell Operations Pty Ltd			
Premises name	Cue Gold Operations – Tuckabianna Project			
Premises location	M20/55, M20/108, M20/111, M20/176, M20/183, M20/195, M20/208, M20/247			
Local Government Authority	Shire of Cue			
Application documents				
HPCM file reference number:	2012/002162-1~4 & 2012/002162-1~5			
Key application documents (additional to application form):	Attachment 1C: Authority to Act_Big Bell Gold Operations Attachment 2: L8644 Amendment_Premises_Maps Attachment 3B_3C_3D_5_7_8; 230426_Licence L8644 Amendment_Supporting Info Attachment 3B: Appendix A_L8644 BBGO_Tuckabianna Partial Comp Letter Attachment 3B: Appendix B_202202_CMW_TSF3 Design Construction Report Attachment 3B: Appendix C_Mining Plus_Murchison Project Hydrogeological Assessment Attachment 3B: Appendix			

	D_PE167003_P_TUCKABIANNA_QRTRLY_ANALYTICALREPORT Attachment 3B: Appendix E_PE167001_F_COMET_QRTRLY_ANALYTICALREPORT Attachment 3B: Appendix F_202104_Rockwater_TSF3 Hydrology Attachment 3B: Appendix G_Western Ecol_Tucka_Basic Fauna Survey_Final_Report Attachment 3B: Appendix H_NVCP_9345-1 Permit	
Scope of application/assessment		
Summary of proposed activities or changes to existing operations.	Licence amendment for the following: <ul style="list-style-type: none"> An increase to category 61 – liquid waste facility production capacity from 500,000 tonnes to 1,000,000 tonnes per annual period. Removal of condition 6 and 7 related to the construction and reporting of the dewatering pipelines. Compliance report was submitted 23 March 2023, deemed partially compliant 27 March 2023 and after further information deemed compliant on 5 April 2023 advising the Licence Holder that the conditions could be removed. <p>Note: correspondence DMIRS advised on 3 August 2023 that an updated Mining Proposal for the inclusion of the new TSF3 was yet to be submitted and there would be a delay in receiving advice from DMIRS on geotechnical and safety aspects. The Department advised the Applicant of this delay. The Applicant requested on 14 August 2023 that only the amendments to category 61 and administrative changes were to be assessed.</p>	
Category number/s (activities that cause the premises to become prescribed premises)		
Table 1: Prescribed premises categories		
Prescribed premises category and description	Assessed production or design capacity	Proposed changes to the production or design capacity (amendments only)
Category 5: Processing or beneficiation of metallic or non-metallic ore	1,400,000 tonnes per annual period	No change
Category 6: Mine dewatering	1,700,000 tonnes per annual period	No change
Category 61: Liquid waste facility	500,000 tonnes per annual period	1,000,000 tonnes per annual period
Category 64: Class II putrescible landfill site	500 tonnes per annual period	No 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"/>	Not a significant proposal.

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: N/A EPA Report No: N/A
Has the proposal been referred and/or assessed under the EPBC Act?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Has the applicant demonstrated occupancy (proof of occupier status)?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	Mining lease / tenement <input checked="" type="checkbox"/>
Has the applicant obtained all relevant planning approvals?	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	Mining already an approved prescribed activity for this location.
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: 9435/1
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"/>	Licence/permit No: GWL176056(4)
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: Proclaimed Groundwater Area/Surface Water Area Has Regulatory Services (Water) been consulted? Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/> Regional office: Mid-West Gascoyne
Is the Premises situated in a Public Drinking Water Source Area (PDWSA)?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Name: N/A Priority: P1 / P2 / P3 / N/A Are the proposed activities/ landuse compatible with the PDWSA (refer to WQPN 25)? Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>
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>)	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<i>Mining Act 1978</i> <i>Rights in Irrigation and Water Act 1914</i> <i>Dangerous Goods Safety Act 2004</i>
Is the Premises within an Environmental Protection Policy (EPP) Area?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Is the Premises subject to any EPP requirements?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	

<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>CSS_ID 18675 CSS_Site_ID 3502 Classification: report not substantiated Date of classification: 15 April 2020 Site was reported without evidence of contamination.</p>
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