



Works Approval

Environmental Protection Act 1986, Part V

Works Approval Holder: Aragon Resources Pty Ltd

Works Approval Number: W5491/2013/1

Registered office: Level 3
 18-32 Parliament Place
 WEST PERTH WA 6005

ACN: 114714662

Premises address: Fortnum Gold Mine
 Mining Tenements M52/132 and M52/133
 MEEKATHARRA WA 6642
 As depicted in Schedule 1

The following category/s from the *Environmental Protection Regulations 1987* cause this Premises to be a prescribed premises for the purposes of the *Environmental Protection Act 1986*:

Category number	Category description	Category production or design capacity	Approved Premises production or design capacity
6	Mine dewatering: premises on which water is extracted and discharged into the environment to allow mining of ore.	50 000 tonnes or more per year	2,500,000 tonnes per year

Issue date: Thursday, 10 October 2013

Commencement date: Monday, 14 October 2013

Expiry date: Saturday, 13 October 2018

Conditions

Subject to this Works Approval and the conditions set out in the attached pages.

Date signed: 17 March 2016

Alana Kidd
 Manager Licensing – Resource Industries
 Officer delegated under Section 20
 of the *Environmental Protection Act 1986*



Works Approval Conditions

1 General

1.1 Interpretation

1.1.1 In the Works Approval, definitions from the *Environmental Protection Act 1986* apply unless the contrary intention appears.

1.1.2 In the Works Approval, unless the contrary intention appears:

“**Act**” means the *Environmental Protection Act 1986*;

“**CEO**” means Chief Executive Officer of the Department of Environment Regulation;

“**CEO**” for the purpose of correspondence means:

Chief Executive Officer
Department Administering the Environmental Protection Act 1986
Locked Bag 33
CLOISTERS SQUARE WA 6850
Email: info@der.wa.gov.au

“**Premises**” means the area defined in the Premises Map in Schedule 1 and listed as the Premises address on page 1 of the Works Approval;

“**Schedule 1**” means Schedule 1 of this Works Approval unless otherwise stated;

“**Works Approval**” means this Works Approval numbered W5491/2013/1 and issued under the *Environmental Protection Act 1986*; and

“**Works Approval Holder**” means the person or organisation named as the Works Approval Holder on page 1 of the Works Approval.

1.1.3 Any reference to an Australian or other standard in the Works Approval means the relevant parts of the standard in force from time to time during the term of this Works Approval.

1.1.4 Any reference to a Guideline or code of practice in the Works Approval means the current version of the guideline or code of practice in force from time to time, and shall include any amendments or replacements to that guideline or code of practice made during the term of this Works Approval.

1.2 General conditions

1.2.1 The Works Approval Holder shall construct the works in accordance with the documentation detailed in Table 1.2.1:

Table 1.2.1: Construction Requirements ¹		
Document	Parts	Date of Document
Works Approval Application Form	All	27 June 2013
Umwelt (Australia) Pty Limited, <i>Amendment to Works Approval (W5367/2013/1) – Mine Dewatering of Yarlaweelor (M52/132) and Toms (M52/132 and M52/133)</i> , prepared for Grosvenor Gold Pty Ltd, June 2013	All, including Figures and Appendices	June 2013
Cathy Galli, <i>Mine and Pit Dewatering into Yarlaweelor Creek</i> , Supporting information for Works Approval	All, including Figures and	12 July 2013

Environmental Protection Act 1986

Page 2 of 4



Application, email to Paul Anderson, 12 July 2013	attachments	
Email titled "FW: P4 Applications to Transfer" dated 20 October 2015 2:34 PM and authored by Lee-Anne Stewart of Metals X Limited.	All, including Figures and attachments	20 October 2015
Email titled "Fortnum Gold Mine W5491/2013/1 Amendment Application" dated 18 February 2016 9:54 AM and authored by Lee-Anne Stewart of Metals X Limited.	All, including Figures and attachments	18 February 2016

Note 1: Where the details and commitments of the documents listed in condition 1.2.1 are inconsistent with any other condition of this works approval, the conditions of this works approval shall prevail.

2 Information

2.1 Reporting

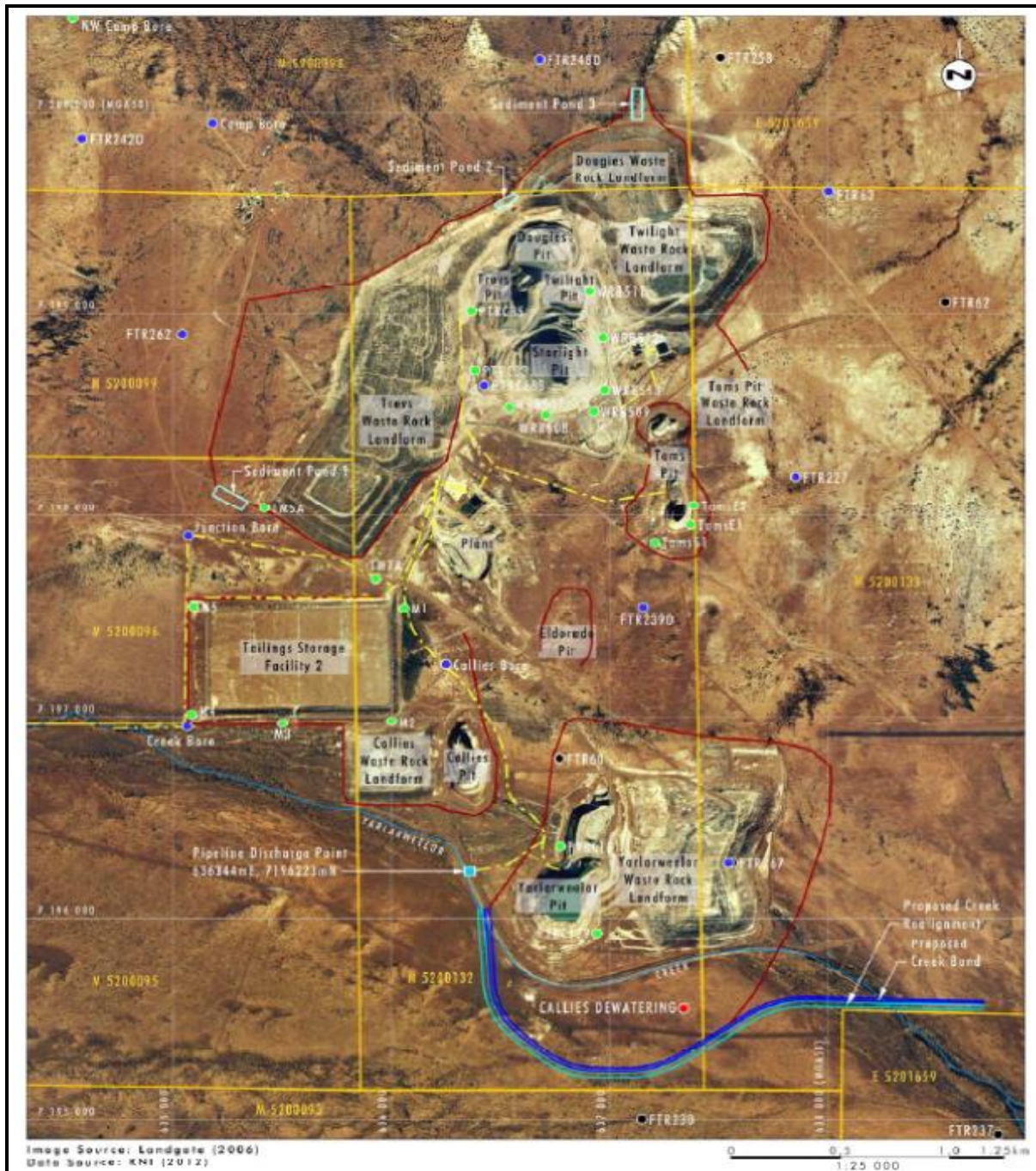
- 2.1.1 The Works Approval Holder shall submit a compliance document to the CEO, following the construction of the works and prior to commissioning of the same.
- 2.1.2 The compliance document shall:
- (a) certify that the works were constructed in accordance with the conditions of the Works Approval; and
 - (b) be signed by a person authorised to represent the Works Approval Holder and contain the printed name and position of that person within the company.



Schedule 1: Maps

Premises map

The Premises is shown in the map below. The yellow line depicts the Premises boundary.





Partial Decision Document

Environmental Protection Act 1986, Part V

Proponent: **Aragon Resources Pty Ltd**

Works Approval: **W5491/2013/1**

Registered office: Level 3
18-32 Parliament Place
WEST PERTH WA 6005

ACN: 114 714 662

Premises address: Fortnum Gold Mine
Mining Tenements M52/132 and M52/133
MEEKATHARRA WA 6642

Issue date: Thursday, 10 October 2013

Commencement date: Monday, 14 October 2013

Expiry date: Saturday, 13 October 2018

Decision:

Based on the assessment detailed in this document the Department of Environment Regulation (DER) has decided to issue an amended works approval. DER considers that in reaching this decision, it has taken into account all relevant considerations and legal requirements and that the Works Approval and its conditions will ensure that an appropriate level of environmental protection is provided.

Decision Document prepared by: **Suzy Roworth**
Licensing Officer

Decision Document authorised by: **Alana Kidd**
Delegated Officer



Contents

Partial Decision Document	1
Contents	2
1 Purpose of this Document	2
2 Administrative summary	2
3 Executive summary of proposal and assessment	3
4 Decision table	5
5 Advertisement and consultation table	6
6 Risk Assessment	7

1 Purpose of this Document

This decision document explains how DER has assessed and determined the application and provides a record of DER's decision-making process and how relevant factors have been taken into account. Stakeholders should note that this document is limited to DER's assessment and decision making under Part V of the *Environmental Protection Act 1986*. Other approvals may be required for the proposal, and it is the proponent's responsibility to ensure they have all relevant approvals for their Premises.

2 Administrative summary

Administrative details		
Application type	Works Approval <input type="checkbox"/> New Licence <input type="checkbox"/> Licence amendment <input type="checkbox"/> Works Approval amendment <input checked="" type="checkbox"/>	
Activities that cause the premises to become prescribed premises	Category number(s)	Assessed design capacity
	6	2,500,000 tpa
Application verified	Date: 20 October 2015	
Application fee paid	Date: N/A	
Works Approval has been complied with	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	
Compliance Certificate received	Yes <input type="checkbox"/> No <input type="checkbox"/> N/A <input checked="" type="checkbox"/>	
Commercial-in-confidence claim	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
Commercial-in-confidence claim outcome		
Is the proposal a Major Resource Project?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Was the proposal referred to the Environmental Protection Authority (EPA) under Part IV of the <i>Environmental Protection Act 1986</i> ?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Referral decision No:
		Managed under Part V <input type="checkbox"/> Assessed under Part IV <input type="checkbox"/>
Is the proposal subject to Ministerial Conditions?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Ministerial statement No:	



		EPA Report No:
Does the proposal involve a discharge of waste into a designated area (as defined in section 57 of the <i>Environmental Protection Act 1986</i>)?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Department of Water consulted Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Is the Premises within an Environmental Protection Policy (EPP) Area	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
If Yes include details of which EPP(s) here.		
Is the Premises subject to any EPP requirements?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
If Yes, include details here, eg Site is subject to SO ₂ requirements of Kwinana EPP.		

3 Executive summary of proposal and assessment

Fortnum Gold Mine (Fortnum) is located in the Peak Hill region of Western Australia, approximately 170 kilometres (km) north of Meekatharra, on Mining Tenements M52/96 and M52/132. The land within the project area has historically been used for grazing and is located on the Milgun Station.

The original works approval application is for dewatering for:

- dewatering the pit lakes from Tom's and Yarlalweelor pits;
- ongoing dewatering of Tom's pit to facilitate mining;
- ongoing dewatering of Callies North pit to facilitate mining;
- ongoing dewatering of Yarlalweelor pit to facilitate mining; and
- discharge into Yarlalweelor Creek.

Aragon Resources Pty Ltd (Aragon Resources) has recently bought Fortnum from Grosvenor Gold Pty Ltd. Mining tenements within the prescribed premises boundary for this site is currently being transferred to Aragon Resources. Aragon Resources have provided an appointment letter outlining that they are now the acting agents for these tenements and that the previous owners (Grosvenor Gold Pty Ltd) authorise the agents to act on their behalf in relation to these tenements with respect to compliance with the *Environmental Protection Act 1986*. Fortnum is currently in care and maintenance and Aragon Resources wish to commence mining in 2016. Aragon have requested that W5491/2013/1 be transferred to them and the expiry date extended from 13 October 2016 to 13 October 2018 to allow time to commence mining operations and to install the mine dewatering infrastructure.

Aragon Resources has also conducted a review of the mine plan and updated the existing mine water balance, which has resulted in a request to amend the mine dewatering discharge rate from 1,950,000tpa to 2,500,000tpa. The increase has resulted as the new mine water balance is taking into account groundwater recharge into Yarlalweelor pit since 2013, thus increasing the volume of water to be discharged in the first year. Eldorado and Callie's South pits were also likely to be discharge points for pit dewatering, however, these pits may hold additional resources and dewatering into these pits will now be directed to Yarlalweelor Creek. The proponent has stated that there are no changes to the environmental risk profile for creek discharge from this change and all monitoring and management commitments remain consistent with the previously approved works approval application. These rates are within the Department of Water groundwater licence abstraction limit of 3,100,000 kL/annum.



During this transfer/amendment the following changes have been made to the works approval:

- Updated to the version 2.9 template;
- Expiry date has been changed from the 13 October 2016 to the 13 October 2018;
- Inclusion of the P4 forms dated 20 October 2015 and 19 February 2016 in Table 1.2.1; and
- Increase in mine dewatering capacity from 1,950,000tpa to 2,500,000tpa.

DER has not re-assessed the acceptability of impacts or emissions and discharges from the Premises or re-visited any existing emission controls. Where conditions have been amended in the existing works approval these have been justified in Section 4.



4 Decision table

All applications are assessed in line with the *Environmental Protection Act 1986*, the *Environmental Protection Regulations 1987* and DER's Operational Procedure on Assessing Emissions and Discharges from Prescribed Premises. Where other references have been used in making the decision they are detailed in the decision document.

DECISION TABLE			
Works Approval / Licence section	Condition number W = Works Approval L = Licence	Justification (including risk description & decision methodology where relevant)	Reference documents
General conditions	W1.2.1	The works approval has been transferred to the new template. Condition 1.2.1 relates to ensuring the works approval holder constructs the works in accordance with the submitted documentation. The additional documentation associated with this amendment has been added to condition 1.2.1.	Application supporting documentation P4 Application to Amend Works Approval W5367/2013/1 – 20 October 2015
Information	W 2.1.1 and 2.1.2	The requirements of condition 2 has been transferred and replaced with conditions 2.1.1 and 2.1.2 on the amended works approval. Conditions 2.1.1 and 2.1.2 relate to a requirement for the works approval holder to submit compliance documents to the CEO following construction of the works.	N/A
Works approval Duration	N/A.	The works approval expiry date has been extended for an additional two years to allow Aragon Resources time to commence mining operations and install mine dewatering infrastructure.	N/A



5 Advertisement and consultation table

Date	Event	Comments received/Notes	How comments were taken into consideration
4/2/16	Proponent sent a copy of draft instrument via 21 day letter.	A second amendment application was received so no comments were received for this 21 day letter.	N/A.
3/3/16	Proponent sent a copy of draft instrument via 21 day letter.	None.	N/A.



6 Risk Assessment

Note: This matrix is taken from the DER Corporate Policy Statement No. 07 - Operational Risk Management

Table 1: Emissions Risk Matrix

Likelihood	Consequence				
	Insignificant	Minor	Moderate	Major	Severe
Almost Certain	Moderate	High	High	Extreme	Extreme
Likely	Moderate	Moderate	High	High	Extreme
Possible	Low	Moderate	Moderate	High	Extreme
Unlikely	Low	Moderate	Moderate	Moderate	High
Rare	Low	Low	Moderate	Moderate	High